JOSH GREEN, M.D.
GOVERNOR | KE KIA'ĀINA

SYLVIA LUKE
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA

STATE OF HAWAI'I | KA MOKU'ĀINA 'O HAWAI'I
DEPARTMENT OF LAND AND NATURAL RESOURCES
KA 'OIHANA KUMUWAIWAI 'ĀINA

P.O. BOX 621
HONOLULU, HAWAII 96809

DAWN N.S. CHANG
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

RYAN K.P. KANAKA'OLE
FIRST DEPUTY

CIARA W.K. KAHAHANE
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

11/28/25

Ms. Mary Alice Evans, Director
Environmental Review Program
Office of Planning and Sustainable Development
Department of Business, Economic Development and Tourism
235 S. Beretania Street, Room 702
Honolulu, Hawai'i 96813

Dear Ms. Evans:

Subject: Department of Land and Natural Resources
Division of Conservation and Resources Enforcement Wahiawā Substation Project
Environmental Assessment and Anticipated Finding of No Significant Impact
TMK (1st.) 7-4-001:025, Wahiawā, O'ahu, Hawai'i

With this letter, the State Department of Land and Natural Resources (DLNR) transmits the Draft Environmental Assessment (DEA) that assesses the potential effects for the Division of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation Project. The DLNR, as the proposing agency, and Board of Land and Natural Resources, as the approving agency, anticipates that the proposed action is not likely to have a significant effect and therefore is issuing a notice of an Anticipated Finding of No Significant Impact (AFONSI), subject to the public review provisions of HAR Section 11-200.1-20. Please publish a notice of the DEA and AFONSI in the next edition of The Environmental Notice.

We are also providing the action summary, significance criteria, and other required information via the Environmental Notice online submittal platform.

If there are any questions, please contact Mr. Brandon Kim, Project Engineer, at 587-0248 or via email to brandon.j.kim@hawaii.gov.

Sincerely,

DAWN N.S. CHANG
Chairperson

From: dbedt.opsd.erp@hawaii.gov
To: DBEDT OPSD Environmental Review Program
Subject: New online submission for The Environmental Notice
Date: Monday, December 1, 2025 3:06:01 PM

Action Name

Division of Conservation and Resources Enforcement Wahiawā Substation Project

Type of Document/Determination

Draft environmental assessment and anticipated finding of no significant impact (DEA-AFNSI)

HRS §343-5(a) Trigger(s)

- (1) Propose the use of state or county lands or the use of state or county funds

Judicial district

Wahiawā, Oʻahu

Tax Map Key(s) (TMK(s))

(1) 7-4-001:025

Action type

Agency

Other required permits and approvals

Various - See Section 1.4

Proposing/determining agency

Department of Land and Natural Resources, Engineering Division / Board of Land and Natural Resources

Agency jurisdiction

State of Hawaiʻi

Agency contact name

Brandon Kim

Agency contact email (for info about the action)

brandon.j.kim@hawaii.gov

Email address for receiving comments

docare_wahiawa_substation@g70.design

Agency contact phone

(808) 587-0248

Agency address

1151 Punchbowl Street
Room 221
Honolulu, HI 96813
United States

Map It

Is there a consultant for this action?

Yes

Consultant

G70

Consultant contact name

Tracy Camuso

Consultant contact email

docare_wahiawa_substation@g70.design

Consultant contact phone

(808) 523-5866

Consultant address

111 S. King Street
Suite 170
Honolulu, HI 96813
United States
Map It

Action summary

The State of Hawai‘i, Department of Land and Natural Resources, Engineering Division is planning to acquire an abandoned property identified by TMK (1) 7-4-001:025. Once acquired, a Division of Conservation and Resources Enforcement substation will be built for officers patrolling the Wahiawā and North Shore area. Currently, officers patrolling the Wahiawā and North Shore area report from the main station in Pearl City. To support enforcement, a smaller substation will be located in Wahiawā, providing officers with a nearby office space, a secure evidence storage room, and storage for larger equipment

Reasons supporting determination

See Chapter 6

Attached documents (signed agency letter & EA/EIS)

- DLNR-DOCARE-EA-2025-12-01_OCR.pdf
- DLNR-DOCARE_ERP-Publication-Letter_251126-part-1-signed-UNLK.pdf

ADA Compliance certification (HRS §368-1.5):

The authorized individual listed below acknowledges that they retain the responsibility for ADA compliance and are knowingly submitting documents that are unlocked, searchable, and may not be in an ADA compliant format for publication. Audio files do not include transcripts, captions, or alternative descriptions. The project files will be published without further ADA compliance changes from ERP, with the following statement included below the project summary in The Environmental Notice: "If you are experiencing any ADA compliance issues with the above project, please contact (authorized individual submitting the project at email)."

Action location map

- DOCARE_Wahiawa_Project_Location1.zip

Authorized individual

Kiralee Ramos
Authorized individual email
docare_wahiawa_substation@g70.design
Authorized individual phone
(808) 523-5866
Authorization
• The above named authorized individual hereby certifies that he/she has the authority to make this submission.

Division of Conservation and Resources Enforcement Wahiawā Substation

DRAFT ENVIRONMENTAL ASSESSMENT

WAHIAWĀ, ISLAND OF O'AHU, HAWAI'I

PETITIONER/APPLICANT:

Department of Land and Natural Resources
State of Hawaii

PREPARED BY:

G70
111 S. King Street, Suite 170
Honolulu, Hawai'i 96813

DECEMBER 2025

DIVISION OF CONSERVATION AND RESOURCES ENFORCEMENT WAHIAWĀ SUBSTATION

Wahiawā, Island of Oʻahu, Hawaiʻi

Tax Map Key: (1) 7-4-001:025

Draft Environmental Assessment

Applicant:

State of Hawaiʻi, Department of Land and Natural Resources, Engineering Division
1151 Punchbowl Street, Room 221
Honolulu, HI 96813
Contact: Brandon Kim, Project Planning Section Head
Telephone: (808) 587-0248

Approving Agency:

Board of Land and Natural Resources

Prepared By:

111 S. King Street, Suite 170
Honolulu, Hawaiʻi 96813

This environmental document is prepared pursuant to 343, Hawaiʻi Revised Statutes and Chapter 200.1 of Title 11, Administrative Rules, Department of Health, Environmental Impact Statement Rules.

DECEMBER 2025

Table of Contents

SECTION **PAGE**

List of Figures iii

List of Tables vi

Appendices vi

Abbreviations v

1.0 Introduction

1.1 Project Information Summary 1-1
1.2 Overview of the Proposed Project 1-2
1.3 Purpose of the Environmental Assessment 1-2
1.4 Permits and Approvals Required 1-2
1.5 Agencies, Organizations and Individuals Contacted During the Pre-Consultation Process 1-3

2.0 Description of the Project

2.1 Project Location 2-1
2.2 Existing Conditions 2-1
2.3 Purpose of the Project 2-5
2.4 Description of the Project 2-5
2.5 Construction Characteristics 2-13
2.6 Summary of Projected Costs and Schedule 2-13

3.0 Description of the Environmental Setting, Potential Impacts and Mitigation Measures

3.1 Topography and Drainage 3-1
3.2 Soils 3-6
3.3 Hazardous Materials 3-8
3.4 Climate 3-11
3.5 Natural Hazards 3-12
3.6 Biological Resources 3-21
3.7 Air Quality 3-24
3.8 Noise 3-25
3.9 Utilities and Infrastructure 3-25
3.9.1 Water 3-25
3.9.2 Wastewater 3-26
3.9.3 Electrical Services 3-26
3.10 Traffic, Roadways, and Parking 3-29

3.11 Socio-Economic Characteristics 3-32
3.12 Public Facilities and Services 3-33
3.12.1 Educational Facilities 3-33
3.12.2 Recreational Facilities 3-33
3.12.3 Police 3-34
3.12.4 Fire 3-34
3.12.5 Emergency Medical Emergencies 3-34
3.12.6 Solid Waste Management 3-35
3.13 Historic, Archaeological and Cultural Resources 3-35
3.13.1 Historic and Archaeological Resources 3-35
3.13.2 Cultural Resources 3-39
3.13.3 Ka Pa‘akai Analysis 3-43
3.14 Visual Resources 3-44
3.15 Potential Cumulative and Secondary Impacts 3-47

4.0 Alternatives to the Proposed Project

4.1 No-Action Alternative 4-1
4.2 Alternative Location 4-1
4.3 Alternative Use 4-2
4.4 Preferred Alternative 4-3

5.0 Plans and Policies

5.1 Americans with Disabilities Act of 1991 5-1
5.2 Coastal Zone Management Act 5-1
5.3 Hawai‘i State Land Use District Boundaries 5-2
5.4 Hawai‘i State Plan 5-2
5.5 Hawai‘i Coastal Zone Management Program 5-6
5.6 Hawai‘i 2050 Sustainability Plan 5-11
5.7 O‘ahu General Plan 5-12
5.8 City and County of Honolulu Land Use Ordinance Guidelines 5-16
5.9 City and County of Honolulu Central O‘ahu Sustainable Communities Plan (2021) 5-16

6.0 Findings Supporting the Anticipated Determination

6.1 Anticipated Determination 6-1
6.2 Reasons Supporting the Anticipated Determination 6-1
6.3 Summary 6-3

7.0 List of Agencies, Organizations and Individuals Receiving Copies of the EA

8.0 List of References

List of Figures

Figure		Page
1-1	Project Location and Tax Map Key	1-4
1-2	State Land Use District Map	1-5
1-3	City and County of Honolulu Zoning	1-6
1-4	Central Oahu Sustainable Communities Plan	1-7
1-5	Flood Zone Map	1-8
2-1	Site Access Facing East	2-2
2-2	Site Access Facing West	2-2
2-3	Adjacent Land Uses	2-3
2-4	Existing Structure on Eastern Portion of Property	2-4
2-5	Existing Structure on Western Portion of Property	2-4
2-6	Conceptual Site Plan	2-7
2-7	Conceptual Floor Plan	2-8
2-8	Elevations	2-9
2-9	Section Drawings	2-10
2-10	Rendering Perspective	2-11
2-11	Makai View of Residential Structures from Kamehameha Highway – Phase IV	2-15
2-12	Phase V Plan	2-16
3-1	Topographic Map	3-3
3-2	Existing Storm Drain Map	3-5
3-3	Soils Map	3-7
3-4	Proposed Flood Zone Map	3-13
3-5	Tsunami Evacuation Zone Map	3-15
3-6	Seismic Design Categories	3-16
3-7	Wildfire Risk Area Map	3-18
3-8	Sea Level Rise Projections	3-19
3-9	Weedy Vegetation at the Project Site	3-21
3-10	Weedy Vegetation at the Project Site	3-22
3-11	Trees Overhanging the Project Site	3-22
3-12	Existing Water System	3-27
3-13	Existing Wastewater Services	3-28
3-14	Traffic Study Intersections	3-31

3-15 Previous Studies Conducted in the Wahiawā Area 3-37
3-16 Previous Identified Archaeological Sites in the Wahiawā Area 3-38
3-17 Public Lands Map 3-40
3-18 Site Photo Key 3-45
3-18A Central view of the lot from Avocado Street Looking South 3-46
3-18B View of Lake Wilson from Southern Property Boundary 3-46
3-18C View from Eastern Portion of Lot Looking South 3-47
5-1 Wahiawa Urban Design Plan 5-18

List of Tables

Table **Page**

1-1 List of Anticipated Permits and Approvals 1-2
3-1 Environmental Conditions 3-9
3-2 Sea Level Rise Scenarios 2030-2150 for Honolulu 3-20
3-3 Official Species List – Threatened and Endangered Species 3-23
3-4 Socio-economic Characteristics 3-32
3-5 Cumulative Effects/Impacts Analysis 3-47
7-1 Agencies, Organizations and Individuals Receiving Copies of the EA 7-1
7-2 Draft EA Early Consultation Summary of Comments and Responses 7-3

Appendices

A. Early Consultation Letters
B. Notices of Violation
C. Phase I Environmental Site Assessment and Limited Hazardous Materials Survey
D. Species List
E. Infrastructure Due Diligence Assessment
F. Transportation Assessment
G. Archaeological Literature Review and Field Inspection
H. Cultural Impact Assessment

Abbreviations

ACM Asbestos Containing Material
ADA Americans with Disabilities Act
AFONSI Anticipated Finding of No Significant Impact
AIS Archaeological Inventory Survey
ALRFI Archaeological Literature Review and Field Inspection
BFE Base Flood Elevation
BLNR Board of Land and Natural Resources
BMPs Best Management Practices
BWS Board of Water Supply
CAB Clean Air Branch
CIA Cultural Impact Assessment
CREC Controlled Recognized Environmental Condition
CUP Conditional Use Permit
CZM Coastal Zone Management
CZMA Coastal Zone Management Act
DAGS Department of Accounting and General Services
DCAB Disability and Communication Access Board
DLNR Department of Land and Natural Resources
DOCARE Division of Conservation and Resources Enforcement
DOFAW Division of Forestry and Wildlife
DOE Department of Education
DOH Department of Health
DOT Department of Transportation
DPP Department of Planning and Permitting
DTS Department of Transportation Services
EA Environmental Assessment
EIS Environmental Impact Statement
EMS Emergency Medical Services
ERP Environmental Review Program
FEMA Federal Emergency Management Agency
FIRM Flood Insurance Rate Map
FONSI Finding of No Significant Impact

GPD Gallons per Day
GPM Gallons per Minute
HAR Hawai‘i Administrative Rules
HDOT State of Hawai‘i Department of Transportation
HECO Hawaiian Electrical Company
HFD Honolulu Fire Department
HPD Honolulu Police Department
HRI Hawai‘i Reserves Inc.
HREC Historic Recognized Environmental Condition
HRS Hawai‘i Revised Statutes
HWMO Hawai‘i Wildfire Management Organization
IPaC Information for Planning and Consultation
JDA Joint Development Agreement
KSCP Ko‘olau Loa Sustainable Communities Plan
LOS Level of Service
LUC Land Use Commission
MGD Million Gallons per Day
Mph Miles Per Hour
NFPA National Fire Protection Association
NOAA National Oceanic and Atmospheric Administration
NOV Notice of Violation
NPDES National Pollutant Discharge Elimination System
NRCS Natural Resources Conservation Service
NREM Natural Resources and Environmental Management
NRHP National Register of Historic Places
OHA Officer of Hawaiian Affairs
OPSD Office of Planning and Sustainable Development
OSHA Occupational Safety and Health Administration
OSL Official Species List
ORTP Oahu Regional Transportation Plan
PCBs Polychlorinated Biphenyls
PIFWO Pacific Island Fish and Wildlife Office
PSI Pounds per Square Inch
PV Photovoltaic

REC Recognized Environment Conditions
ROH Revised Ordinances of Honolulu
SAAQS State Ambient Air Quality Standards
SDC Seismic Design Category
SFHA Special Flood Hazard Area
SHPD State Historic Preservation Division
SIHP State Inventory of Historic Places
SLR Sea Level Rise
SLR-XA Sea Level Rise Exposure Area
SMA Special Management Area
SFHA Special Flood Hazard Area
TEN The Environmental Notice
TMK Tax Map Key
UH University of Hawai‘i
UHCDC University of Hawai‘i Community Design Center
USDA U.S. Department of Agriculture
USFWS U.S. Fish and Wildlife Service
USGS U.S. Geological Survey

This page left blank intentionally.

Chapter 1

Introduction

Chapter 1

Introduction

This Draft Environmental Assessment (EA) has been prepared in accordance with the requirements of Hawai‘i Revised Statutes (HRS), Chapter 343 and Hawai‘i Administrative Rules (HAR), Title 11 Chapter 200.1. The State of Hawai‘i, Department of Land and Natural Resources (DLNR), Engineering Division is initiating the acquisition process of the property identified as Tax Map Key (TMK) (1) 7-4-001:025. In support of the acquisition procedures, DLNR is required to complete environmental review procedures in accordance with HRS, Chapter 343.

1.1 Project Information Summary

Type of Document:	Draft Environmental Assessment
Project Name:	Division of Conservation and Resources Enforcement Wahiawā Substation
Applicant:	State of Hawai‘i, Department of Land and Natural Resources, Engineering Division 1151 Punchbowl Street, Room 221 Honolulu, HI 96813 Contact: Brandon Kim, Project Planning Section Head Telephone: (808) 587-0248
Agent:	G70 111 S. King St., Suite 170 Honolulu, HI 96813 Contact: Tracy Camuso, AICP, Principal Telephone: (808) 523-5866
Approving Agency:	Board of Land and Natural Resources
EA Trigger:	Use of State Lands & State Funds
Project Location:	525 Avocado St. Wahiawā, Hawai‘i (*Figure 1-1)*
Tax Map Key (TMK):	TMK(s): (1) 7-4-001:025 *(Figure 1-1)*
Project Area:	Approximately 0.2 acres (9,288 square feet)
State Land Use District:	Urban District *(Figure 1-2)*
City & County of Honolulu Zoning:	Community Business (B-2) and Residential (R-5) *(Figure 1-3)*

Community Plan:	Central O'ahu Sustainable Communities Plan *(Figure 1-4)*
Special Management Area:	Not within Special Management Area
Flood Zone:	Zone D (Unstudied areas when flood hazards are undetermined, but flooding is possible) *(Figure 1-5)*
Anticipated Determination:	Finding of No Significant Impact (FONSI)

1.2 Overview of the Proposed Project

The State of Hawai'i, DLNR, Engineering Division is planning to acquire an abandoned property identified by TMK (1) 7-4-001:025. Once acquired, a Division of Conservation and Resources Enforcement (DOCARE) substation will be built for officers patrolling the Wahiawā and North Shore area. Currently, DOCARE officers patrolling the Wahiawā and North Shore area report from the main station in Pearl City. To support enforcement, a smaller substation will be located in Wahiawā, providing officers with a nearby office space, a secure evidence storage room, and storage for larger equipment

1.3 Purpose of the Environmental Assessment

This Draft EA is being prepared pursuant to the requirements of HRS, Chapter 343 and HAR, Chapter 11-200.1. The project will utilize State lands and funds and must first comply with environmental review procedures.

In accordance with Hawai'i's Environmental Review process, this Draft EA identifies the potential environmental impacts of the project, provides mitigation measures, and seeks agency and public comments. This Draft EA analyzes potential impacts under the significance criteria listed in HAR Chapter 11-200.1 to further determine whether an Environmental Impact Statement (EIS) should be prepared. This Draft EA will be published in the Environmental Review Program's (ERP's) bi-monthly bulletin, *The Environmental Notice (TEN)*, which will commence a 30-day public review period. Comments received during the 30-day public review period will be included in the Final EA. This EA is anticipated to result in a FONSI.

1.4 Permits and Approvals Required

Anticipated permits and approvals for the project are identified in *Table 1-1*.

Table 1-1 List of Anticipated Permits and Approvals

Permit or Approval	Approving Authority
Final Environmental Assessment/FONSI	Board of Land and Natural Resources (BLNR)
Chapter 6E-8 HRS Compliance Historic Resources	DLNR, State Historic Preservation Division (SHPD)
Building Permits (Demolition, Building, Electrical, Plumbing)	Department of Planning and Permitting (DPP)
Grading, Grubbing, Trenching and Stockpiling Permits	DPP

1.5 Agencies, Organizations and Individuals Contacted During the Pre-Consultation Process

To initiate the environmental review process, an early consultation letter with a description and location of the project was sent to Federal, State, and City agencies as well as community organizations and adjacent landowners in September 2025. Comments received during both early consultation periods are located in *Appendix A.*

A summary of the comments received and a list of agencies and other parties that will be provided with an opportunity to review the Draft EA is provided in *Chapter 8*.

Figure 1-1 **Project Location and Tax Map Key**

Figure 1-2 **State Land Use District Map**

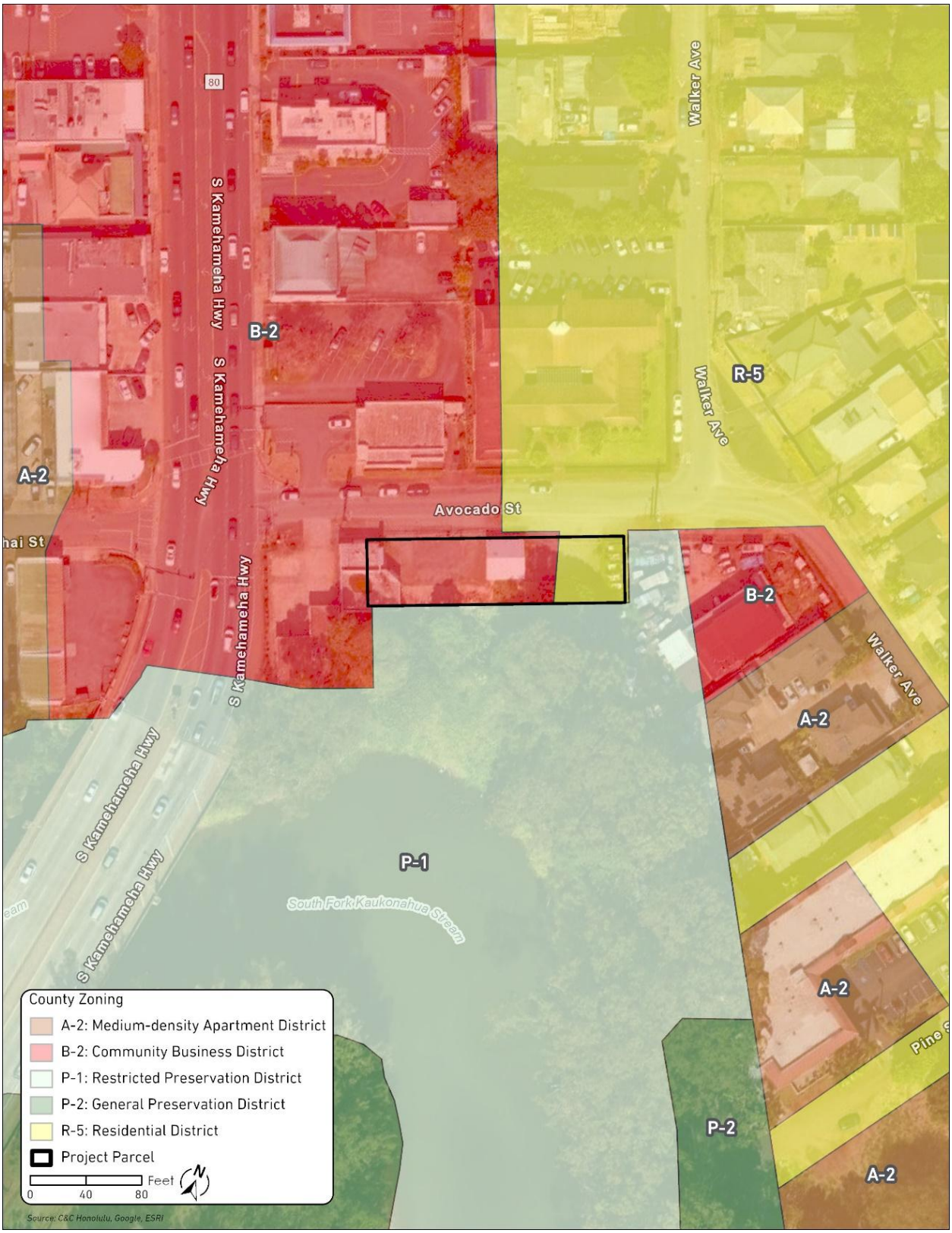


Figure 1-3 **City and County of Honolulu Zoning**

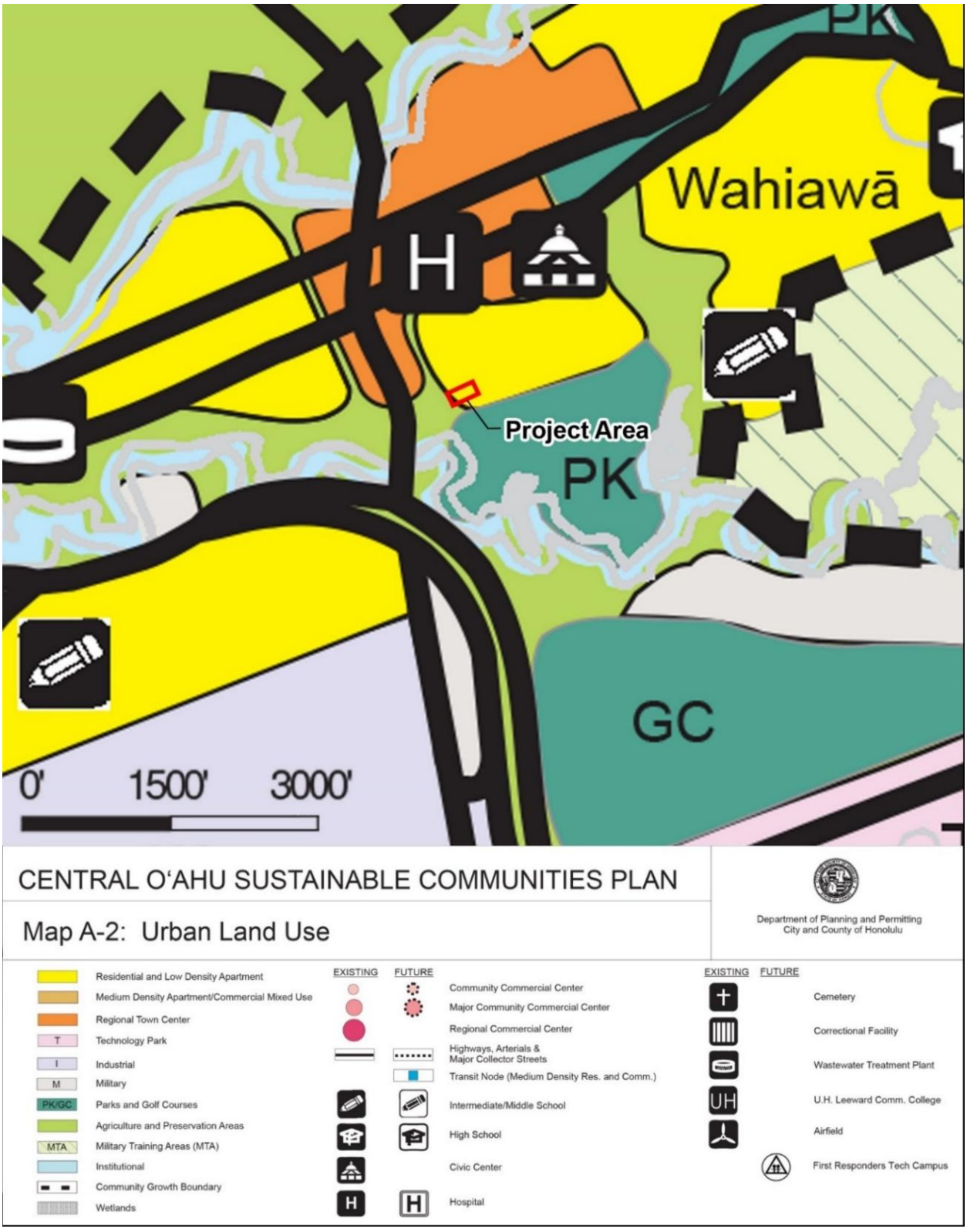


Figure 1-4 **Central Oahu Sustainable Communities Plan**

Figure 1-5 **Flood Zone Map**

Chapter 2

Description of the Project

Chapter 2

Description of the Project

2.1 Project Location

Location

The project site is located in Wahiawā, Oʻahu, Hawaiʻi, identified by TMK (1) 7-4-001:025 (*Figure 1-1).* Historically, Wahiawā functioned as both a plantation town and as a support center for U.S. Army Schofield Barracks installation. Its central location led to the development of a commercial regional civic and shopping area for people traversing the North Shore and Central Oʻahu area. However, since the growth of new towns and residential areas in Central Oʻahu, commercial areas in Wahiawā could not compete, and slowly declined. Today, Wahiawā contains remnants of former plantation towns, commercial businesses, and the Schofield Barracks installation.

Access to the project site is provided via Avocado Street (*Figure 2-1 and Figure 2-2*). The project site is primarily bordered by commercial operations. Adjacent to the site is a neighborhood mini mart and The Church of the Latter-day Saints to the north, Maverick Muay Thai Academy to the west, Island Power Hawaii to the east, and the Wahiawā Freshwater Recreation Area to the south (*Figure 2-3*).

2.2 Existing Conditions

The project site was previously utilized as a commercial auto shop business under the ownership of Angelo's Auto Body & Detailing. The property remains under the ownership of Angelo's Auto Body & Detailing; however, the commercial auto shop is no longer in operation, and the site has been abandoned. Remnants of the former commercial business remain, including structures that have fallen into a state of disrepair and waste from informal residents that currently occupy the abandoned structures (*Figure 2-4 and Figure 2-5*).

The abandoned structure on the eastern portion of the property is a one-story building that was constructed in 1943 (*Figure 2-4*). The building measuring approximately 945 square feet was previously utilized as an office space. The abandoned structure on the western portion of the property is a one-story building that was constructed in 1955 (*Figure 2-5*). The building measures approximately 1,980 square feet. Although the site was previously utilized as a commercial auto shop business, this structure was originally built for a martial arts studio.

Notably, in September 2025, the property owner obtained an emergency demolition permit for the removal of the structure on the western portion of the site. Demolition was completed, and the building on the eastern portion of the site is the last remaining structure associated with the former commercial auto shop business.

Since the closure of the commercial auto shop business and the abandonment of the site, the structures have fallen into a state of disrepair, and the site became a shelter by informal residents. Trash has accumulated throughout the property from neglect and occupation by informal residents

(*Figure 2-5*). Additionally, the owner has received multiple Notice of Violations (NOVs) from 2016 to 2018. NOVs were issued due to construction activity without applicable permits and abandonment and occupation by informal residents. A list of NOVs issued is located in *Appendix B.*

Figure 2-1 **Site Access Facing East**

Figure 2-2 **Site Access Facing West**

Figure 2-3 **Adjacent Land Uses**

Figure 2-4 **Existing Structure on Eastern Portion of Property**

Figure 2-5 **Existing Structure on Western Portion of Property**

2.3 Purpose of the Project

Since the closure of the commercial auto shop business and abandonment of the site, the existing structures have fallen into a state of disrepair and have become shelter and dumping ground for informal residents. The community raised concerns over the abandonment and occupation by informal residents with no oversight by a State or County agency that has led to illegal drug activity, trash accumulation, vandalism, and fire hazards. Recognizing existing conditions at the site, the State is seeking to obtain ownership of the property and utilize the site to strengthen DOCARE enforcement in the Wahiawā and North Shore area. The purpose of the project is to address the current abandonment and neglect of the project site and strengthen DOCARE enforcement in the Wahiawā and North Shore area.

2.4 Description of Project

The State is seeking to obtain ownership of the property to address the neglect and use of the site as an unofficial shelter by informal residents. Once acquired, a DOCARE substation will be built for officers patrolling the Wahiawā and North Shore area. Currently, DOCARE officers patrolling the Wahiawā and North Shore area report from the main station in Pearl City. To strengthen enforcement, a smaller substation will be located in Wahiawā.

A preliminary plan for the DOCARE substation has been prepared by the University of Hawai'i Community Design Center (UHCDC) and includes parking for officer vehicles and equipment, office and meeting spaces, storage for evidence collected in the field and personnel, and locker rooms (*Figure 2-6* and *2-10)*. The design of the substation prioritizes efficient emergency response with a vehicle bay and secured evidence storage room dedicated on the ground level and administrative and operational spaces located on the second floor.

The ground level of the substation features parking for officer vehicles and equipment. The centrally located vehicle bay is designed to provide parking space for the boat. smaller trailers and space for vehicles to pull through in the event of an emergency response. Additionally, five uncovered striped parking spaces on the western portion, and one uncovered ADA stall on the eastern portion of the site will be identified (*Figure 2-7*). To assist officer operations, a secured evidence storage room will be located on the ground level. This evidence storage room will be secured and allow officers to secure evidence upon immediate return to the substation.

Administrative and operations spaces, which are comprised of office and meeting spaces, the squad room, storage areas, and locker rooms will be constructed as a second story above the vehicle bay (*Figure 2-7*). Locating administrative and operational spaces as a second story will provide visibility of Avocado Street for security purposes and unobstructed traffic flow for deployment in the event of an emergency.

DOCARE officers will access the site via two new secure gated driveways located off Avocado Street. Access to the site will be restricted to DOCARE officers for security purposes. Fencing will be installed along the southern property boundary to secure the site from trespassers. The substation has been carefully designed to seamlessly integrate into the existing Wahiawā neighborhood. Landscaping will be implemented along the street frontage to improve greenery along Avocado Street and maintain security along the property frontage. Landscaping will be comprised of Native Hawaiian and Polynesian introduced species found in the Wahiawā area. Building material and colors will be carefully selected to seamlessly integrate with neighboring structures. The substation will provide officers patrolling the Wahiawā and North Shore area with a nearby facility to strengthen enforcement.

This page left blank intentionally.

Preferred Option: Central Tower

Site Plan

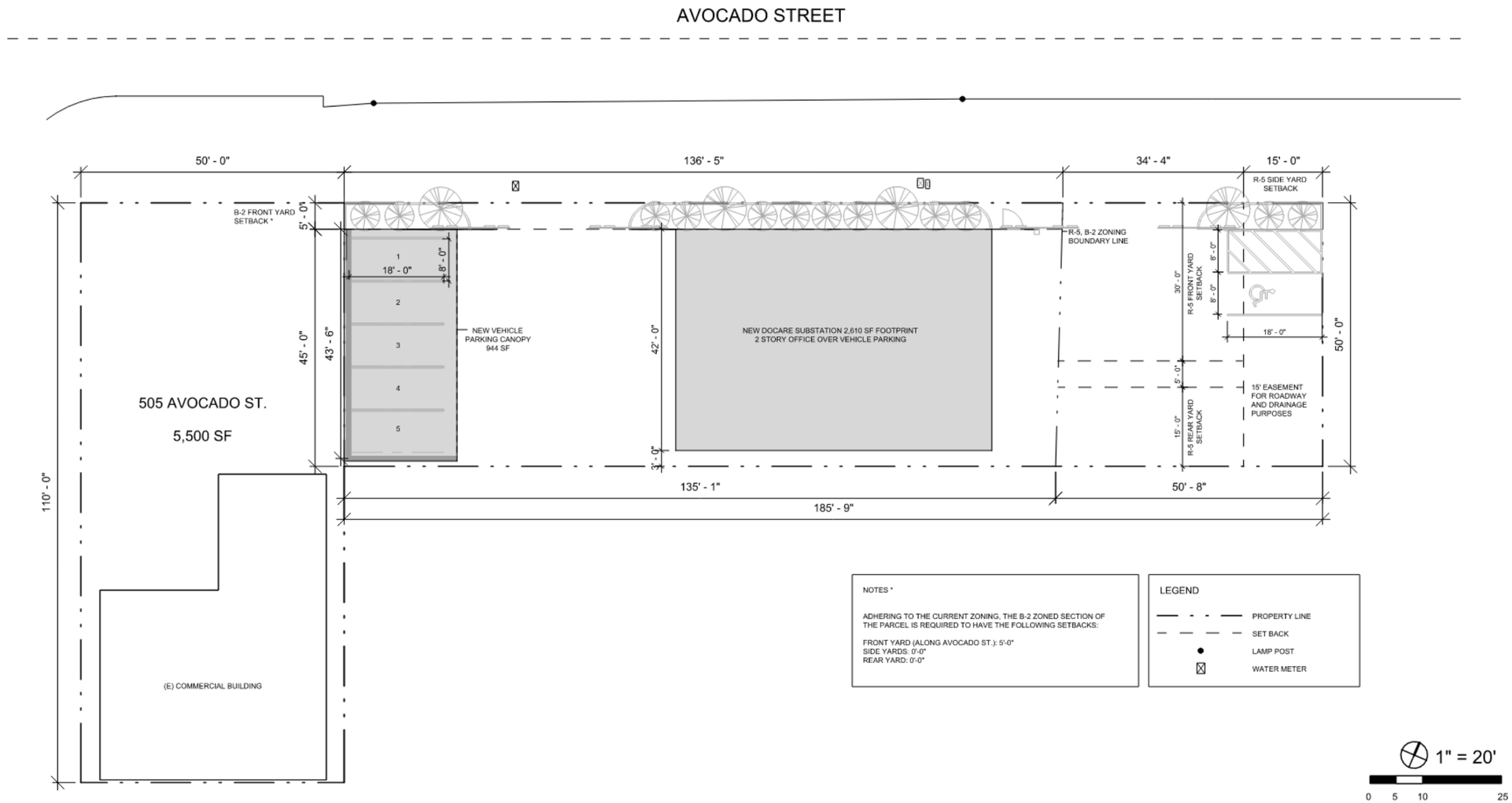
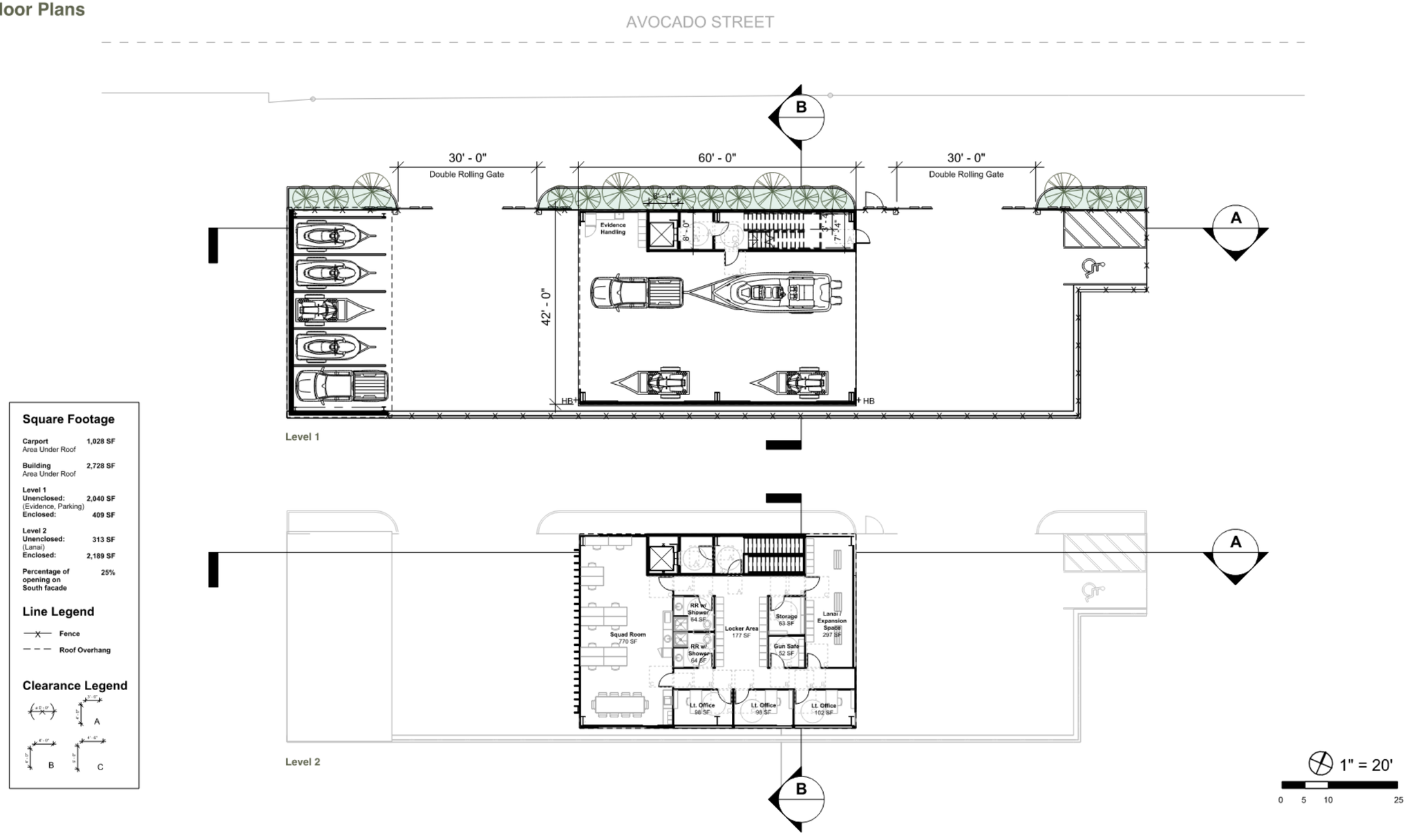


Figure 2-6 **Conceptual Site Plan**

Preferred Option: Central Tower

Floor Plans



Square Footage

Carport Area Under Roof	1,028 SF
Building Area Under Roof	2,728 SF
Level 1	
Unenclosed: (Evidence, Parking)	2,040 SF
Enclosed:	409 SF
Level 2	
Unenclosed: (Lanai)	313 SF
Enclosed:	2,189 SF
Percentage of opening on South facade	25%

Line Legend

Fence

Roof Overhang

Clearance Legend

A

B

C

Figure 2-7 **Conceptual Floor Plan**

Preferred Option: Central Tower

Elevations

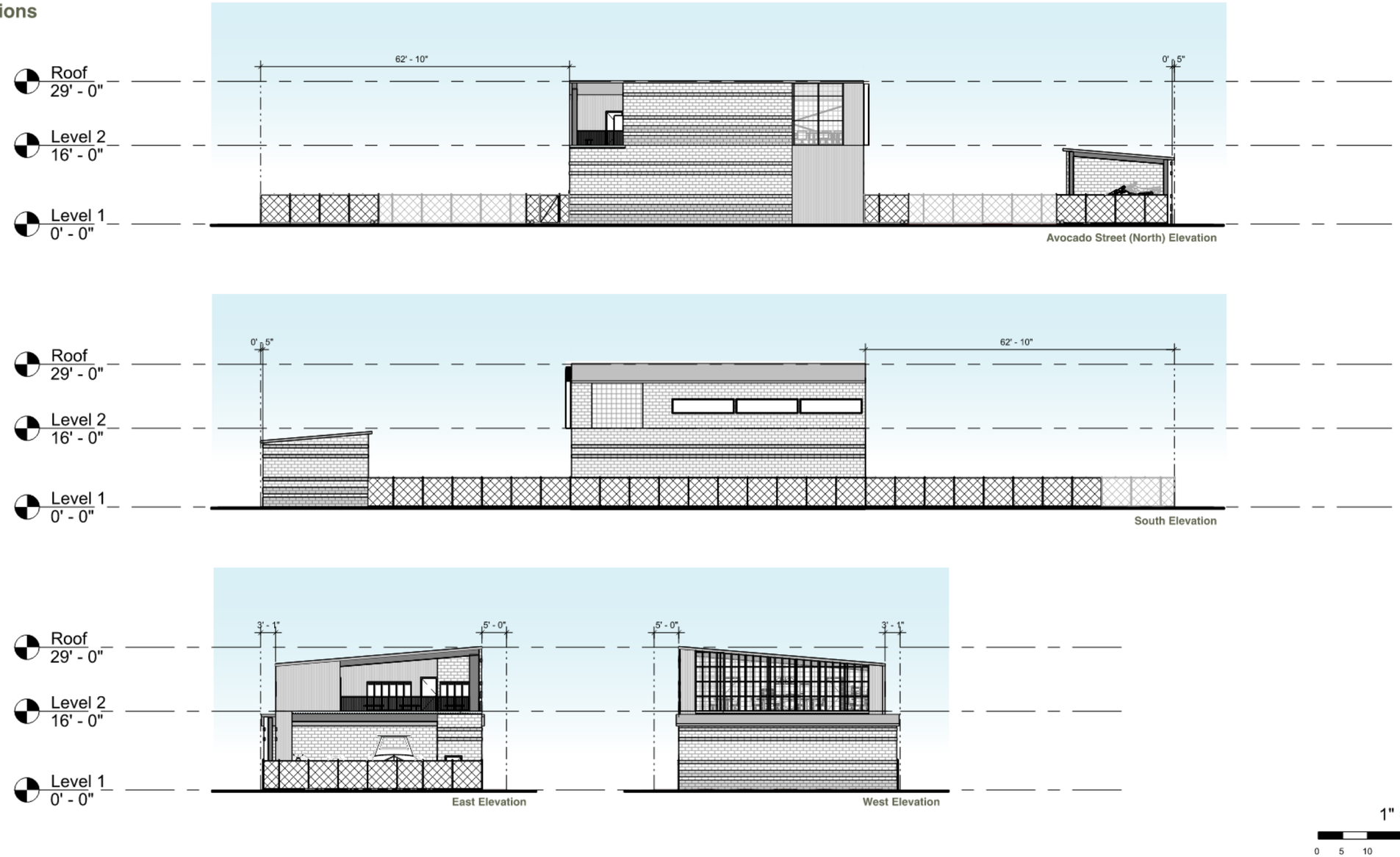
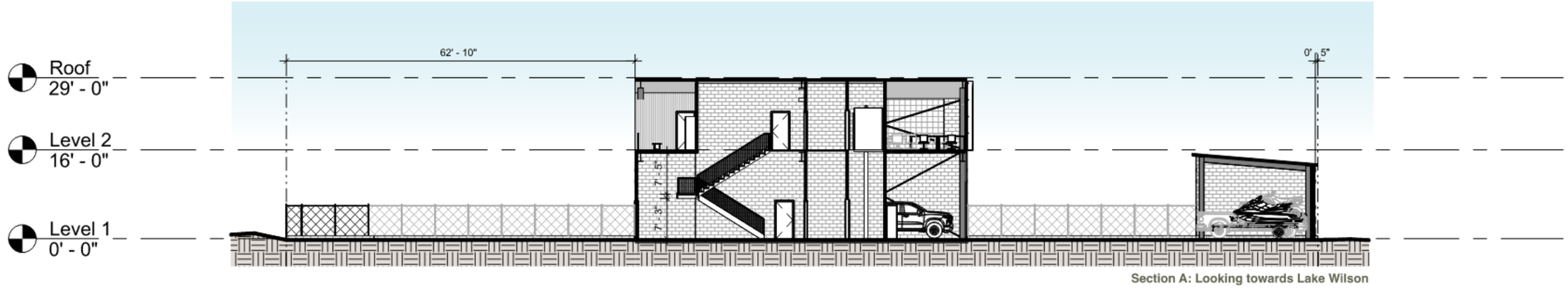


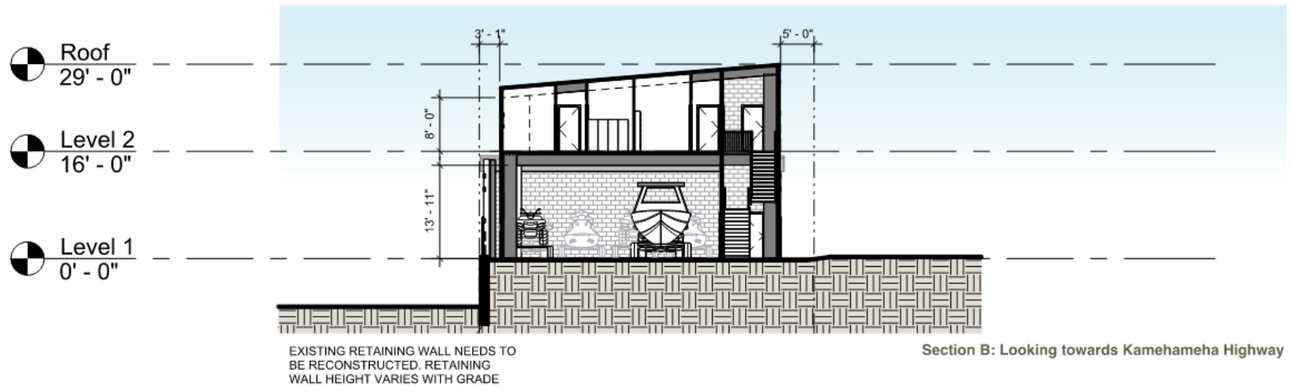
Figure 2-8 **Elevations**

Preferred Option: Central Tower

Sections



Section A: Looking towards Lake Wilson



Section B: Looking towards Kamehameha Highway

1" = 20'

0 5 10 25

Figure 2-9

Section Drawings

Figure 2-10 **Rendering Perspective**

This page left blank intentionally.

2.5 Construction Characteristics

The project site is generally level, and limited grading will be completed for the construction of the substation. Construction related materials and equipment will be stored on property and construction work will be performed in accordance with the Federal, State, and City code and design standards.

Construction will take place from 8:00 am to 5:00 pm, Monday through Friday. The construction of the project will not involve nighttime activity, therefore nighttime lighting (other than security lighting) will not be needed. Construction will adhere to applicable noise regulations pursuant to HAR Title 11, Chapter 46. Typical construction vehicles will be used and may include front-end loader, dump truck, and flatbed delivery trucks. Trucks delivering construction materials and disposing of waste will be scheduled Monday through Friday during off hours throughout the day to ensure traffic flow is not adversely affected. Traffic will be monitored to ensure the movement of construction vehicles, equipment, and deliveries do not adversely affect the current flow of traffic. Should construction activity require the temporary closure of any traffic land, sidewalk, bicycle lane, or pedestrian mall, a street usage permit will be obtained from the City Department of Transportation Services (DTS).

A Grading Permit will be obtained prior to the start of construction, and contractors will adhere to the City's Grading Ordinance (ROH Chapter 18A) and applicable provisions of the DOH Water Quality Standards (HAR Section 11-54) and Water Pollution Control Requirements (HAR Section 11-55). A National Pollutant Discharge Elimination System (NPDES) permit may be obtained, if required. Best Management Practices (BMPs) will be employed to minimize potential adverse effects from site preparation and construction activity. BMPs may include, but are not limited to, the phasing of construction activities, replacing ground cover of disturbed areas, providing adequate water sources at the site, and the use of temporary silt fencing and screens.

2.6 Summary of Projected Costs and Schedule

The project will be funded by the State DLNR. Construction for the DOCARE substation is anticipated to commence in 2026.

This page left blank intentionally.

Chapter 3

Description of the Environmental Setting, Potential Impacts, and Mitigation Measures

Chapter 3

Description of the Environmental Setting, Potential Impacts, and Mitigation Measures

This section describes the existing environmental setting and identifies possible impacts of the planned project. Strategies to mitigate potential effects are also identified.

3.1 Topography and Drainage

Existing Conditions

The project site is generally flat with a slight downward along the northern property boundary to the southern property boundary. Elevations at the project site range from 871 feet above mean sea level (msl) at the northern property along Avocado Street to 869 feet above msl at the southern property boundary (*Figure 3-1*).

The project site contains two on-site area drains that discharges stormwater through pipe outlets into the Wahiawā Freshwater State Recreation Area. Stormwater that is not collected via the two on-site area drains sheet flows toward the southern edge of the property and into the Wahiawā Freshwater State Recreation Area as overland flow or ponds in low scattered spots throughout the site. Stormwater runoff that flows into the Wahiawā Freshwater State Recreation Area continues to flow south towards the Kaukonahua Stream.

A portion of a City owned and maintained 42-inch stormwater drain line runs beneath the eastern edge of the site and is covered under an easement (*Figure 3-2*). The 42-inch stormwater drain collects stormwater runoff from Walker Avenue and discharges water into the Wahiawā Freshwater State Recreation Area.

Anticipated Impacts and Mitigation Measures

Construction for the project will involve limited grading to create building foundations and to improve driveways and parking areas. A grading permit will be obtained prior to the start of construction, and contractors will adhere to the City's grading ordinance (ROH Chapter 18A) and applicable provisions of the DOH Water Quality Standards (HAR Section 11-54) and Water Pollution Control Requirements (HAR Section 11-55). An NPDES permit may be obtained, should it be required. Construction-related BMPs will be implemented to minimize soil erosion and other pollutants from leaving the site. BMPs include, but are not limited to, phasing of construction activities, replacing ground cover of disturbed areas, providing adequate water sources at the site, and the use of temporary silt fencing and screens. Upon completion of construction, the site will follow the existing grade, with a gentle slope leaning toward the southern edge of the property boundary.

This page left blank intentionally.

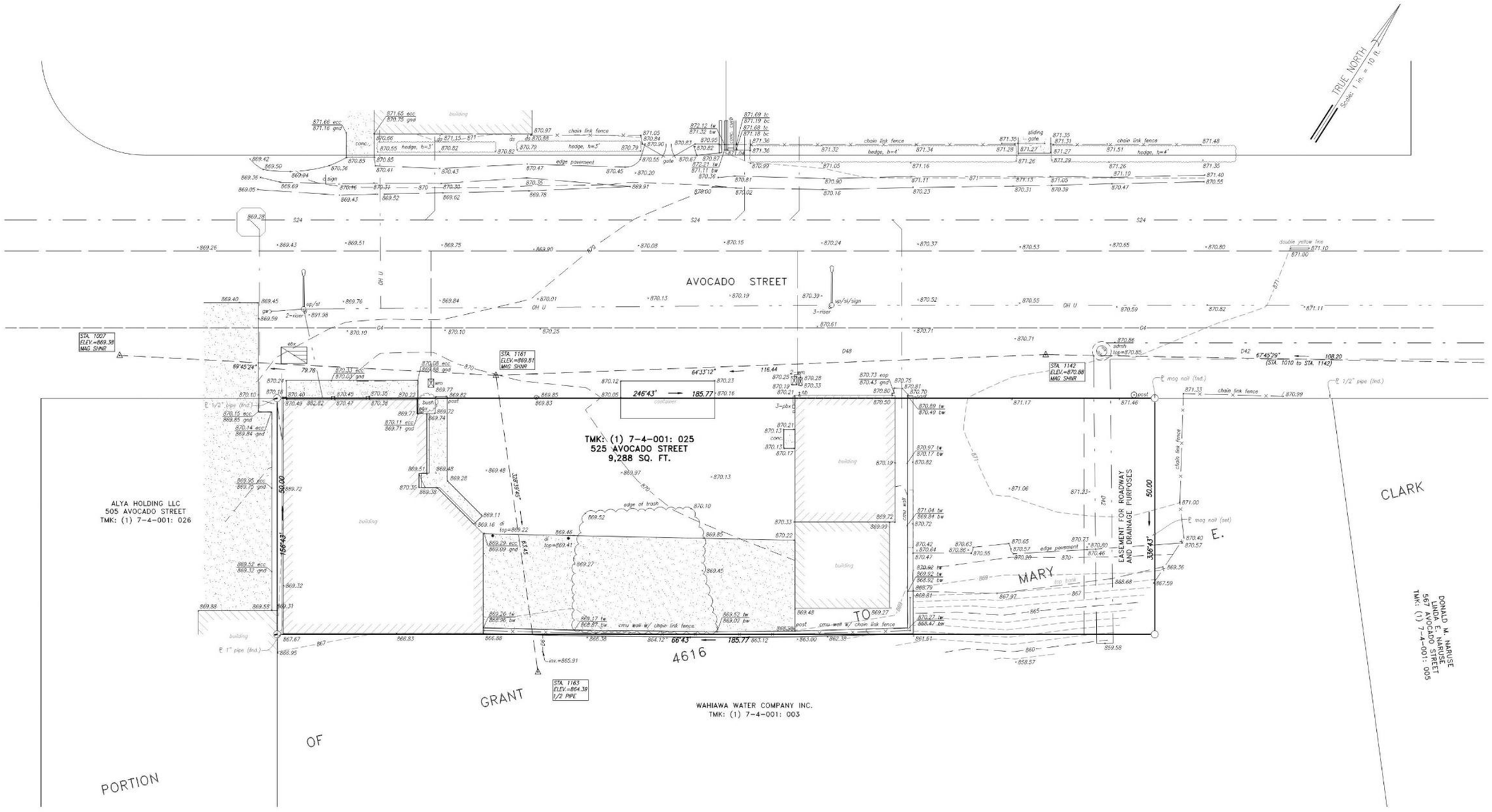


Figure 3-1 **Topographic Map (Source: *Austin Tsutsumi & Associates Inc*)**

This page left blank intentionally.

Figure 3-2 **Existing Storm Drain Map**

3.2 Soils

Existing Conditions

Soil types within the project parcels are identified in the U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS) Web Soil Survey. The USDA NRCS system classifies soils by type and permeability characteristics, including run-off and erosion. The project site is covered by one soil series identified as the Wahiawa silty clay, 0-3 percent slopes (WaA). (*Figure 3-3).* Wahiawa Silty Clay is a well-draining soil series with high to very high permeability and low runoff.

Anticipated Impacts and Mitigation Measures

Construction for the project will involve limited grading to create building foundations and to improve driveways and parking areas. A Grading Permit will be obtained prior to the start of construction, and contractors will adhere to the City's Grading Ordinance (ROH Chapter 18A) and applicable provisions of the DOH Water Quality Standards (HAR Section 11-54) and Water Pollution Control Requirements (HAR Section 11-55). An NPDES permit may be obtained, should it be required. Construction-related BMPs will be implemented to minimize potential effects from land disturbing activities. BMPs include, but are not limited to, phasing of construction activities, replacing ground cover of disturbed areas, providing adequate water sources at the site, and the use of temporary silt fencing and screens. The project is not anticipated to adversely affect soils covering the site.

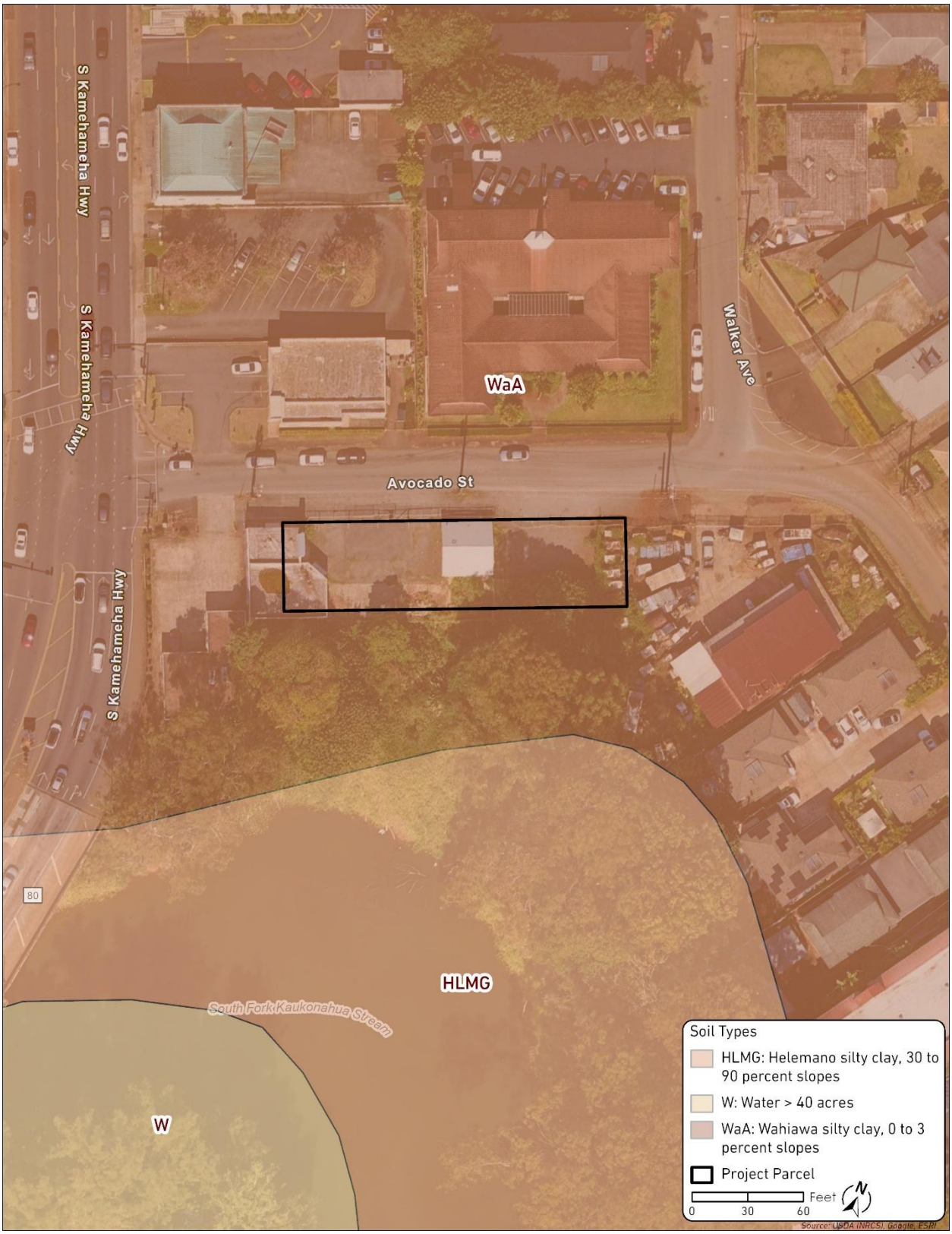


Figure 3-3 **Soils Map**

3.3 Hazardous Materials

A Phase I Environmental Site Assessment (ESA) and Hazardous Materials Assessment was completed by Element Environmental in August 2025. The following presents a summary of the Phase I ESA and Hazardous Materials Assessment. The Phase I ESA and Hazardous Materials Assessment is provided in *Appendix C.*

Existing Conditions

The Phase I ESA was completed to identify potential environmental conditions at the property. As part of the investigation, Recognized Environmental Condition (REC), Controlled Recognized Environmental Condition (CREC), and Historic Recognized Environmental Condition (HREC) were identified. A REC is defined as:

(1)The presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment;

(2) The likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or

(3) The presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

A CREC is a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. A HREC is the previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities. To identify environmental conditions at and around the project site, regulatory records were reviewed, and a visual site inspection was conducted. Environmental conditions on the property and adjacent properties are listed in *Table 3-1*.

Table 3-1: Environmental Conditions			
Recognized Environmental Conditions	**Categories**		
	Release	**Conditions Indicative of Release**	**Threat of Future Release**
Vagrant activities were observed on the subject property. Environmental risks linked with vagrancy encompass littering, unlawful disposal, and incineration of waste materials, including hazardous substances like chemicals, electronic waste, and construction debris. These activities have the potential to contaminate water sources and exacerbate soil pollution. Heavily stained soil was also noted during the VSI.		X	
The property's multiple outfalls and drainage systems pose a significant environmental risk by discharging runoff over solid waste, potentially contaminating nearby water bodies, including Kaukonahua Stream, which flows into the Wahiawa Reservoir. This runoff could introduce hazardous substances into the water, threatening both environmental health and community safety.		X	
The western portion of the property at 525 Avocado Street was previously used as an auto repair facility and used car lot, raising significant environmental concerns related to potential soil, surface water, and groundwater contamination. This is primarily due to the long-term use of petroleum products, hazardous materials, and heavy metals from automotive activities, which may have leached into the environment. Visual inspections and historical records suggest that there were large areas of spillage and improper material storage, posing risks to nearby receptors. While historic maps hint at a fueling station, there is no documented information regarding underground storage tanks, hydraulic lifts, or oil/water separators, which may still be present and pose further risks if they are compromised.		X	
The eastern portion of the property at 541 Avocado Street was previously a used car lot (c. 1991 to c. 2016), which raises several environmental concerns. The operations may have introduced hazardous substances, such as motor oil and heavy metals, leading to potential soil, surface water, and groundwater contamination. The property could pose risks to human health due to historical pollutants.		X	
Potential and reported releases of hazardous substances associated with Island Power's 23 year history of unauthorized use of 555 Avocado Street (adjacent to the east side of the site) for storage of generators and other equipment may be negatively impacting the soil and groundwater at the subject property.		X	
Stormwater runoff and soil from the Island Power site flows onto the adjacent (555 Avocado Street) site and the subject property. It is likely that the runoff and soil are negatively impacted by the long history of industrial use/activities at the Island Power property and the adjacent property they have encroached on for 23 years.		X	
Controlled Recognized Environmental Conditions		**Category**	
Schofield Barracks Military Reservation (SBMR) and Wheeler Air Force Base, TMK: (1) 7-7-001:001, is an active military site established in 1908, and encompasses over 17,725 acres of land. The Army uses several programs to address releases in cooperation with the United			

Table 3-1: Environmental Conditions	
States Environmental Protection Agency (EPA) and State of Hawaii Department of Health (HDOH): Installation Restoration Program (IRP), Military Munitions Response Program, and Compliance-Related Cleanup Program. It is likely that the subject property was directly adjacent or possibly within the former boundaries of the SBMR East Range. The SBMR is a Department of Defense IRP site that was delisted from the National Priorities List (NPL) in 2020, as the Record of Decisions (RODs) determined that remedies in place are expected to be protective of human health and the environment and in the interim, exposure pathways that could result in unacceptable risks are being controlled.	Releases/Violations on Nearby Properties
Opana (Operable Unit [OU]-00) is part of the NPL Site Naval Computer and Telecommunications Area Master Station Eastern Pacific (NCTAMS EASTPAC) (EPA Identification HI1170090053). The OU-00 refers to the sitewide portion of NPL. The No Decision Document was issued for OU-00 Sitewide; the Five-Year Review process started in 2015. The estimated Five-Year Review is estimated to occur between September and November 2025. It should be noted that OU-00 Sitewide includes the entirety of the NCTAMS EASTPAC facility located approximately 2 miles northeast of the subject property; the EDR Report identified Opana within the North Fork of Kaukonahua waterway.	
Formerly Used Defense Site (FUDS) Site Wahiawa School is located ¼ to ½ mile north northeast of the subject property and hydraulically upgradient. After the attack on Pearl Harbor during World War II, Wahiawa Elementary School was used as an emergency hospital.	
FUDS Site Hawaiian Medical Center is located ½ to 1 mile east of the subject property and hydraulically cross gradient. The site was originally acquired in 1989 and was developed into SBMR in the early 1900's. The Hawaiian Medical Depot was a portion of the 13th Replacement Depot which served as a training transfer depot for troops prior to deployment overseas. In 1960, the site was transferred to the State of Hawaii via quitclaim.	
Historic Recognized Environmental Conditions	**Category**
In 1989, HDOH Hazard Evaluation and Emergency Response (HEER) Office and Environmental Data Resources, Inc. reported a potential release of polychlorinated biphenyl-containing transformer oil from a transformer at 535 Avocado Street (east side of subject property). Specific details regarding the release date, quantity, and affected media were not provided. A State On-Scene Coordinator responded to the incident, and the spill ultimately received a No Further Action designation.	Releases/Violations on Subject Property

In addition to the Phase I ESA, a Hazardous Materials Assessment was conducted to determine the presence of hazardous materials which include Asbestos Containing Materials (ACM), Canec, Lead Paint, and Fluorescent Light Fixtures for mercury and polychlorinated biphenyls (PCBs). A visual survey and building samples reveal that the existing structures were constructed using ACM, lead-based paint, and fluorescent lighting containing PCBs and Mercury. Canec, which contains arsenic material was not identified in survey samples. However, buildings that were constructed between the early 1930s and 1964 were built using arsenic-containing material. Due to the construction of the existing structures taking place between the early 1930s and 1964, it is presumed that the existing structures contain arsenic-containing material.

Anticipated Impacts and Mitigation Measures

The Phase I ESA identified environmental conditions at and nearby the site that are indicative of release. As part of the project, a Phase II ESA will be conducted upon the State's acquisition of the property. The Phase II ESA will include geophysical and underground surveying to further identify and evaluate the presence of buried utilities or structures and identify measures to mitigate environmental conditions at the property.

Due to the likely presence of hazardous materials associated with the former commercial auto shop business, trained technicians will remove hazardous material in accordance with the Occupational Safety and Health Administration (OHSA) standards for Asbestos, Canec, Lead, and Fluorescent Lighting containing PCBs and Mercury. The Indoor and Radiological Health Branch will be consulted, as necessary for the handling of Asbestos and lead containing material.

3.4 Climate

Existing Conditions

According to the University of Hawai'i Geography Department Climate of Hawai'i interactive mapping tool, the annual average air temperature in Wahiawa is approximately 71°F. The average monthly low temperature is approximately 62°F in January and the average monthly high temperature is approximately 83°F in August.

On the island of O'ahu, the leeward and southern regions of the island are typically drier than the eastern and northern regions. The Wahiawā area receives an annual average of approximately 50 inches of rain. January is typically the wettest month of the year, with an average of approximately 2.8 inches of rainfall.

Anticipated Impacts and Mitigation Measures

The project will be designed to standards appropriate to the climate of the region and is not anticipated to affect rainfall or climate of the greater project area or region. Therefore, no mitigation measures related to climate are proposed.

3.5 Natural Hazards

Flooding

Existing Conditions

Based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) map number 15003C0210FH, effective September 29, 2004, the project site is located in Flood Zone D *(Figure 1-5)*. Flood Zone D is defined as "unstudied areas when flood hazards are undetermined, but flooding is possible." The project site is not located in FEMA's Special Flood Hazard Area (SFHA).

Notably, FEMA is in the process of updating the FIRM map for the island of O'ahu. The updated FIRM map locates the project site in Flood Zone X (*Figure 3-4)*. Flood Zone X is defined as "areas determined to be outside the 500-year flood zone."

Anticipated Impacts and Mitigation Measures

During the construction phase of the project, activity will cease if the project area is subject to a flood hazard. The project site is not located within a SFHA and is not subject to special design consideration outlined in ROH Chapter 21A. The DOCARE substation will conform to development standards for the applicable zoning district and building code standards identified in ROH Chapter 16. The project is not anticipated to increase the project area's vulnerability to flooding, and no further mitigation is proposed.

Figure 3-4 **Proposed Flood Zone Map**

Hurricanes

Existing Conditions

Tropical cyclones originate over warm ocean waters and are considered hurricane strength when they generate sustained wind speeds over 64 knots (74 miles per hour (mph)). Hurricanes that form near the equator and in the central North Pacific usually move toward the west or northwest. During the primary hurricane season of July to September, hurricanes generally form off the west coast of Mexico and move westward across the Central Pacific. These storms typically pass south of the Hawaiian Islands and sometimes have a northward curvature near the islands. Late season hurricanes follow a somewhat different track, forming south of Hawai'i and moving north toward the islands. Three hurricanes have passed through the Hawaiian Islands in the past 25 years: Hurricane 'Iwa in 1982 Hurricane Iniki in 1992, Hurricane Iselle in 2014. These storms caused high surf and wave damage on multiple shores of the islands.

Anticipated Impacts and Mitigation Measures

During the construction phase of the project, activity will cease if the island is under the threat of a hurricane. The DOCARE substation will be designed in accordance with building code standards identified in ROH Chapter 16 to minimize damage from a natural disaster. The project will not increase the project area's vulnerability to a hurricane, and no further mitigation is proposed.

Tsunami

Existing Conditions

Most tsunamis in Hawai'i originate from the tectonically active areas located around the Pacific Rim (e.g., Alaska, Japan, and Chile). Waves created by earthquakes in these areas take hours to reach Hawai'i, and the network of sensors that is part of the Pacific Tsunami Warning System can provide Hawai'i with several hours advance warning prior to the arrival of tsunami waves generated from these locations. Less commonly, tsunamis originate from seismic activity within the Hawaiian Islands, providing less warning for locally generated events.

The City classifies tsunami evacuation zones into the following designations: Tsunami Evacuation Zone, where evacuation is required for any tsunami warning; Extreme Tsunami Evacuation Zone, where additional areas must be evacuated only during an extreme tsunami event generated from earthquakes of Magnitude 9 or higher on the Richter scale; and, safe zone that is anticipated to be outside the inundated area. The project site is located within the Safe Zone (*Figure 3-5*).

Anticipated Impacts and Mitigation Measures

During the construction phase of the project, activity will cease if the island is under threat of a tsunami. Should the State or the City be under the threat of a tsunami, Civil Defense emergency warning systems will be activated. The project is in a safe zone and will be designed in accordance with building code standards identified in ROH Chapter 16.

Figure 3-5 **Tsunami Evacuation Zone Map**

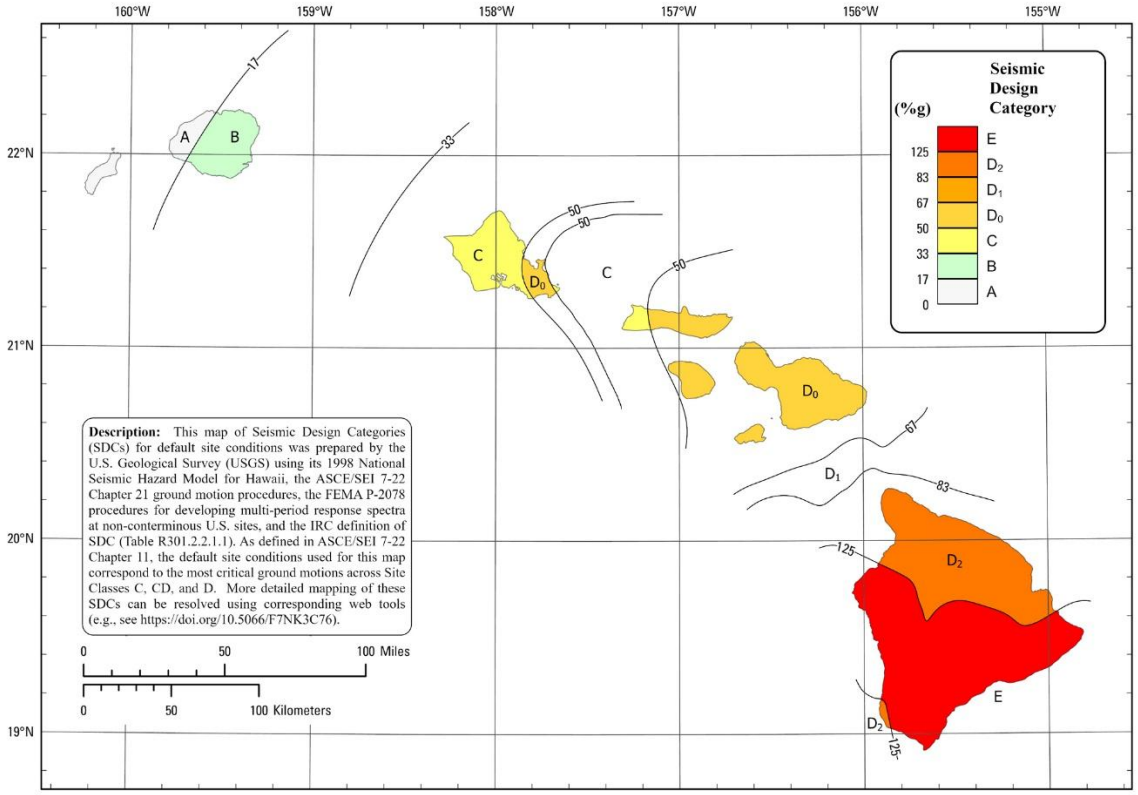
Earthquakes

Existing Conditions

The majority of earthquakes in Hawai'i are related to volcanic activity, particularly to the movement of magma beneath Kīlauea and Mauna Loa on Hawai'i island. Other earthquakes are the result of exerted pressures released by magma that never reaches the surface. According to the FEMA Earthquake Hazard Map, the project site is located in Seismic Design Category (SDC) Zone C (*Figure 3-6)*. Zone C is categorized as an area that could experience strong shaking.

Anticipated Impacts and Mitigation Measures

During the project construction phase, activity will cease if an earthquake occurs. The DOCARE substation will be built in accordance with building standards identified in ROH Chapter 16. Following proper design guidelines, damage from an earthquake will be minimized.



SEISMIC DESIGN CATEGORIES FOR DEFAULT SITE CONDITIONS FOR HAWAII

Figure 3-6 **Seismic Design Categories**

Wildfires

Existing Conditions

In the State of Hawai'i, wildfires are most prominent in developed areas, alongside roadways, and near infrastructure that abuts undeveloped areas. Most wildfires are caused by human error or arson especially near developed areas, power line right of ways, roadsides, and sprawling dry nonnative grasslands surrounding communities. Once ignited, wildfires can spread rapidly through and around residential areas, threatening both property and life. Wildfires in lesser developed areas, fallow agricultural lands, and in areas of higher elevation can also spread and threaten natural areas and native and protected species. (Hawai'i Wildfire Management Organization, 2018).

The Hawai'i Wildfire Management Organization (HWMO) identified the risk of wildfire throughout the State. The project site is located in a medium risk area for wildfire spread *(Figure 3-7)*.

Anticipated Impacts and Mitigation Measures

During the construction phase of the project, contractors will ensure construction-related equipment is properly utilized and stored to prevent the risk of a wildfire breakout. Should a fire break out during the construction period, the Honolulu Fire Department (HFD) will be contacted immediately.

The DOCARE substation will be built in accordance with building code standards identified in ROH Chapter 16 and ROH Chapter 20 which adopts design measures from the National Fire Protection Association (NFPA) 1. Building materials will be carefully selected to minimize potential wildfire damage. DOCARE officers will ensure that flammable equipment and materials are properly stored to minimize the risk of ignition. Moreover, DOCARE officers will maintain the substation and keep drainageways clear of debris and leaves to minimize the risk of wildfire spread. The project will address ongoing fire hazard concerns stemming from occupation from informal residents. With measures in place to minimize the risk of fire ignition and spread, the project is anticipated to minimize the risk of wildfire in the greater Wahiawā area.

Figure 3-7 **Wildfire Risk Area Map**

Climate Change and Sea Level Rise

Existing Conditions

Rapid anthropogenic climate change is a well-established fact within the scientific community. As a result of climate change, ice sheets are melting, adding volumes of warm water to the ocean driving up levels of the ocean (Sweet et. al, 2022). Nearly 30% of the population in the U.S. lives in coastal areas where sea level rise plays an active role in flooding, storm hazards, and beach narrowing and beach loss due to erosion. The impacts from anomalous sea level events (e.g., king tides, mesoscale eddies, storm surge) are also likely to increase with climate change.

In 2022, the National Oceanic and Atmospheric Administration (NOAA) published the Global and Regional Sea Level Rise Scenarios for the United States to update sea level rise projections through 2100 based on the latest scientific research and measurements (Sweet et al. 2022). This report was an update to the 2017 Task Force report with projections of global mean sea level rise. In accordance with the NOAA report, the State of Hawai'i updated the Hawai'i Sea Level Rise Vulnerability and Adaptation Report in 2022 to incorporate new research and projections to address sea level rise in Hawai'i. The Hawai'i Sea Level Rise Vulnerability and Adaptation Report identifies a range of sea level rise scenarios based on differing GHG emission pathways in the near-term and long-term future (*Figure 3-8*).

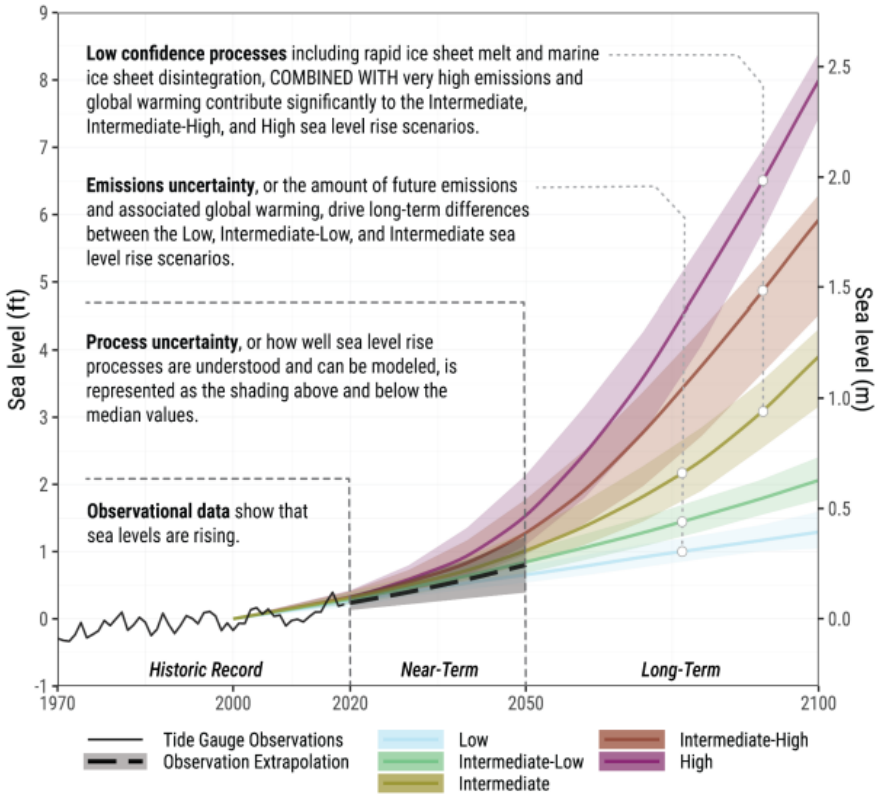


Figure 3-8 Sea Level Rise Projections (*Hawai'i SLR Vulnerability and Adaptation Report, 2022*)

In July 2022, the City and County of Honolulu Climate Change Commission updated the Sea Level Rise II – Guidance Document to renew the City's guidelines in planning for future climate change scenarios. The Guidance Document provided five scenarios of sea level rise by the year 2150: Low, Intermediate-Low, Intermediate, Intermediate-High, and High. Sea level rise projections specific to the City and County of Honolulu were projected to 2150 are shown in *Table 3-2*.

Table 3-2: Sea Level Rise Scenarios 2030-2150 for Honolulu

Year	Low[1]	Intermediate-Low[1]	Intermediate	Intermediate-High	High
2050	0.59 feet	0.79 feet	0.95 foot	1.21 feet	1.48 feet
2100	1.18 feet	1.97 feet	3.81 feet	5.84 feet	7.91 feet
2150	1.70 feet	3.25 feet	7.25 feet	9.84 feet	14.11 feet

[1] Projections from the Low and Intermediate-Low scenarios are already lower than the observed acceleration of global mean sea level rise which is on trajectory to reach 2.3 feet by the year 2100.

Following the updated Sea Level Rise II – Guidance Document, the City Council adopted the Climate Ready O'ahu strategy in February 2024. The Climate Ready O'ahu strategy details strategies, policies, and actions to prepare, protect, and safeguard community members, 'āina, and infrastructure from climate hazards today and for generations to come. Following the updated Sea Level Rise II – Guidance Document, the Climate Ready O'ahu Strategy recognizes future sea level rise scenarios:

- By 2050, sea levels in Honolulu are projected to rise between 0.95 and 1.21 feet.
- By 2100, sea levels in Honolulu are projected to rise between 3.81 and 5.84 feet

In the City and County of Honolulu, it is recommended that the intermediate sea level rise scenario by the year 2100 (3.8 feet) be utilized for planning and design purposes, and that the City continue to utilize the 3.2-foot sea level rise exposure area (SLR-XA) until updated SLR-XA map data is available.

According to the Hawai'i Sea Level Rise Viewer, the Project area is located in an inland area and is not subject to potential threats associated with sea level rise.

Anticipated Impacts and Mitigation Measures

Construction activity will follow standard construction practices. Temporary construction work is anticipated to generate limited fossil fuel emissions from combustion and exhaust and will adhere to DOH air quality standards.

The project is not anticipated to substantially increase GHG emission that is associated with the consumption of electricity and vehicle activity, and the project is not anticipated to substantially contribute to climate change. DLNR may consider installation of solar photovoltaic (PV) panels and energy efficient utilities to minimize GHG emissions and promote the use of renewable energy features. The project site is not in the immediate threat of sea level rise, and the project is not anticipated to increase GHG emissions that contribute to climate change.

3.6 Biological Resources

Existing Conditions

The project site is located in Wahiawā in the central region of O'ahu. The project site was previously utilized as a commercial auto shop business under the ownership of Angelo's Auto Body & Detail. Remnants of the former commercial auto shop business remain, including two structures that have fallen into a state of disrepair and waste from informal residents that currently occupy the abandoned structures. Due to the former commercial use of the property, vegetation at the project site is limited. The site contains sparse pockets of overgrown weedy vegetation (*Figure 3-9* and *Figure 3-10*). Large canopy trees planted on the adjacent parcel along the Wahiawā State Recreation Area overhang the project site (*Figure 3-11*). These trees are a mix of non-native trees including the African Tulip Tree (*Spathodea campanulate)* and Portia Tree (*Thespesia populnea).*

Faunal species at the project site include dogs (*Canus lupus familiaris)* and cats (*Felis catus)* associated with informal residents occupying the site. The project site does not contain federally designated Critical Habitats.

Figure 3-9 **Weedy Vegetation at the Project Site**

Figure 3-10 **Weedy Vegetation at the Project Site**

Figure 3-11 **Trees Overhanging the Project Site**

Anticipated Impacts and Mitigation Measures

The project will involve clearing weedy vegetation for site preparation and construction of the DOCARE substation. Pursuant to a letter dated September 16, 2025, from the U.S. Fish and Wildlife Service (USFWS), the Pacific Island Fish and Wildlife Office (PIFWO) transitioned to the Information for Planning and Consultation (IPaC) tool for non-federal agencies to obtain Official Species Lists (OSL), including threatened and endangered species and designated critical habitat that may occur in the project area. The OSL for the project area was obtained and located in *Appendix D. Table 3-3* lists the threatened and endangered species identified in the OSL.

Table 3-3: Official Species List – Threatened and Endangered Species		
Name	**Scientific Name**	**Status**
Mammals		
Hawaiian hoary bat	Lasiurus cinereus semotus	Endangered
Birds		
Band-rumped storm-petrel	Hydrobates castro	Endangered
Hawaiian common gallinule	Gallinula galeata sandvicensis	Endangered
Hawaiian coot (alae keʻokeʻo)	Fulica alai	Endangered
Hawaiian duck	Anas wyvilliana	Endangered
Hawaiian petrel	Pterodroma sandwichensis	Endangered
Hawaiian stilt	Himantopus mexicanus knudseni	Endangered
Newell's shearwater	Puffinus newelli	Threatened
Reptiles		
Hawksbill sea turtle	Eretmochelys imbricata	Endangered
Flowering Plants		
ʻAiea	Nothocestrum latifolium	Endangered
ʻAkoko	Euphorbia celastroides var. kaenana	Endangered
ʻEnaʻena	Pseudognaphalium sandwicensium var. molokaiense	Endangered
Bonamia menziesii		Endangered
Haha	Cyanea truncata	Endangered
Hala pepe	Dracaena forbesii	Endangered
Kamanomano	Cenchrus agrimonioides	Endangered
Kaulu	Ptealyxia macrocarpa	Endangered
Nioi	Eugenia koolauensis	Endangered
Oha	Delissea subcordata	Endangered
Spermolepis hawaiiensis		Endangered
Uhiuhi	Mezoneuron kavaiense	Endangered
Vigna o-wahensis		Endangered
Ferns and Allies		
Microlepia strigosa var. mauiensis		Endangered
Pauoa	Ctenitis squamigera	Endangered

The Hawaiian Hoary bat (*Lasiurus cinereus semotus),* known as the ʻōpeʻapeʻa is an endangered species endemic to Hawaiʻi. The ʻōpeʻapeʻa is known to roost in native and non-native vegetation from one to nine meters (3 to 29 feet) above ground. The ʻōpeʻapeʻa is known to inhabit forested areas in the upland areas. Although it is not common for the ʻōpeʻapeʻa to roost near the project site, clearing of vegetation greater than 15 feet will be avoided during ʻōpeʻapeʻa birthing and pup rearing season,

June 1 through September 15. If vegetation over 15 feet needs to take place during this time, vegetation will be inspected to ensure ʻōpeʻapeʻa is not present. Additionally, barbed wire fencing will not be used in this project, to avoid entangling the ʻōpeʻapeʻa.

The following bird species may overfly or traverse the project site: the endangered ʻuaʻu (Hawaiian petrel, (*Pterodroma sandwichensis*), endangered ʻakēʻakē (band-rumped storm-petrel, *Hydrobates castro*), and threatened ʻaʻo (Newell's shearwater, *Puffinus newelli).* Such species are referred to as Hawaiian seabirds. The greatest threat to Hawaiian seabirds is outdoor lighting which can cause seabird disorientation, fallout, and injury or mortality. Downed seabirds are subject to increased mortality due to collision with automobiles, starvation, and predation. To avoid seabird disorientation, nighttime activity will not be scheduled to reduce the need for nighttime lighting. Should a Hawaiian seabird traverse or rest at the site, construction activity will cease until the species voluntarily fledges. The project is not anticipated to adversely affect Hawaiian seabirds that may overfly or traverse the project area.

The IPaC tool identified the following endangered waterbird species that may overfly or traverse the project site: Hawaiian common gallinule (*Gallinula galeata sandvicensis)*, Hawaiian coot (*Fulica alai)*, Hawaiian duck (*Anas wyvilliana)*, and Hawaiian stilt (*Himantopus mexicanus knudseni)*. The greatest threat to waterbirds is habitat degradation and loss. To minimize potential impacts to waterbirds, contractors will be made aware of the potential presence of waterbirds and will avoid creating standing bodies of water. Should a waterbird traverse or rest at the site, construction activity will cease until the species voluntarily fledges. The project is not anticipated to adversely affect habitats for endangered waterbirds.

The endangered Hawksbill sea turtle (*Eretmochelys imbricata)* may occur in water bodies near the project site. Should a Hawksbill sea turtle be found resting near the project site, NOAA will be notified immediately. The project is not anticipated to adversely affect nesting habitat grounds for the endangered Hawksbill sea turtle.

Due to the former use of the project site, it is not anticipated that the project will adversely affect endangered plant species that may be found in the greater project area. The project will improve existing site conditions with the implementation of landscaping that is comprised of Native Hawaiian and Polynesian introduced species found in the Wahiawā area.

3.7 Air Quality

Existing Conditions

The DOH, Clean Air Branch (CAB) has established the State Ambient Air Quality Standards (SAAQS). The DOH-CAB regularly samples ambient air quality at monitoring stations throughout the State and annually publishes this information. On Oʻahu, there are three active monitoring stations. The closest station to the project area is located in Kapolei (Station 17, approximately 12.3 miles southwest), which measures wind direction, NO_2, PM_{10}, and $PM_{2.5}$.

According to the *Annual Summary 2022 Hawaiʻi Air Quality Data,* air quality in the State of Hawaiʻi continues to be one of the best in the nation, and criteria pollutant levels remain well below SAAQS. Present air quality in the project area is primarily affected by motor vehicles, with carbon monoxide being the most abundant of the pollutants emitted, however pollutant levels remain below SAAQS.

Anticipated Impacts and Mitigation Measures

Construction related activity is anticipated to generate dust from vehicle movement, soil excavation, and commuting construction workers. Although construction will generate dust, construction is temporary and will cease upon completion. Additionally, the State of Hawai'i Air Pollution Control regulations prohibit visible emissions of fugitive dust from construction. A dust control program will be implemented and may include watering active work areas, using wind screens, keeping adjacent paved roads clean, covering open-bodied trucks and limiting the area to be disturbed at any given time. The DOCARE substation is not anticipated to have a long-term effect on air quality. DLNR may consider installation of solar PV panels and energy efficient utilities to minimize GHG emissions and promote the use of renewable energy features.

3.8 Noise

Existing Conditions

Noise in the project is characterized by natural noises due to wind in the surrounding foliage. Existing background ambient noise levels within the project area are largely attributed to motor vehicle traffic along Kamehameha Highway. Noise levels around the project area are consistent with noise levels found in residential areas.

Anticipated Impacts and Mitigation Measures

Noise will be generated during the construction phase of the project; however, noise levels are not expected to adversely affect neighboring property owners. Construction activities will comply with the provisions of the regulations for community noise control articulated in HAR Section 11-46. The contractor will obtain a noise permit if noise levels from construction activities are expected to exceed allowable levels. Heavy vehicles traveling to and from the project site will comply with the State's administrative rules for vehicular noise control. The project wis not anticipated to affect ambient noise levels in the neighboring Wahiawā community.

3.9 Utilities and Infrastructure

An Infrastructure Assessment was prepared by G70 in July 2025 (*Appendix E).* Findings from the study are summarized below.

3.9.1 Water

Existing Conditions

The project site is served by a City owned and maintained 12-inch cast iron water main that runs beneath Avocado Street (*Figure 3-12*). Three domestic water meters and water laterals convey water from the main to the two existing structures (*Figure 3-12*). The structure on the western portion of the site is served by a lateral assumed to be 1 inch in diameter connected to a 5/8-inch meter (M/N 98022653). The structure on the eastern portion of the site is served by two laterals assumed to be 1 ½ inches in diameter connected to two 5/8-inch meters (M/N 93023119 and 00201274).

The project site is served by a City fire hydrant (C00236) located on Walker Avenue (*Figure 3-12*). According to BWS data from April 29, 2025, the Static Pressure is 88 pounds per square inch (psi) and the residual pressure is 76 psi at 2000 gallons per minute (gpm).

Anticipated Impacts and Mitigation Measures

The project is not anticipated to affect water usage in the greater Wahiawā area. Furthermore, the Board of Water Supply (BWS) confirmed that the existing water system will adequately serve the DOCARE substation (*Appendix E*). Existing water laterals and water meters may be reused to support the DOCARE substation and will be confirmed during the final design.

The existing City fire hydrant (C00236) located on Walker Avenue will adequately serve the DOCARE substation. The DOCARE substation will be designed to meet applicable building code standards identified in ROH Chapter 16 and ROH Chapter 20 which adopts design measures from NFPA 1.

3.9.2 Wastewater

Existing Conditions

Wastewater at the project site is discharged via two 6-inch sewer laterals that connect to a City owned and maintained 24-inch sewer main located beneath Avocado Street (*Figure 3-13*). The 24-inch sewer main beneath Avocado Street slopes to the west and connects to a 24-inch sewer main running beneath Kamehameha Highway that conveys wastewater to the Wahiawā Wastewater Treatment Plant.

Anticipated Impacts and Mitigation Measures

The Wahiawā Wastewater Treatment Plant has the capacity to serve the DOCARE substation, and a sewer connection has been approved by the Wastewater Branch (*Appendix E*). Existing wastewater laterals may be reused to service the DOCARE substation and will be confirmed during the final design. The project is not anticipated to affect wastewater services in the greater Wahiawā area, and no further mitigation is proposed.

3.9.3 Electrical Services

Existing Conditions

The project site receives overhead power from Hawaiian Electric Company (HECO) via overhead utility lines located along Avocado Street.

Anticipated Impacts and Mitigation Measures

The DOCARE substation will continue to receive electrical services via overhead utility lines. The project is not expected to impact existing utility services in the Wahiawā area, and no further mitigation is proposed.

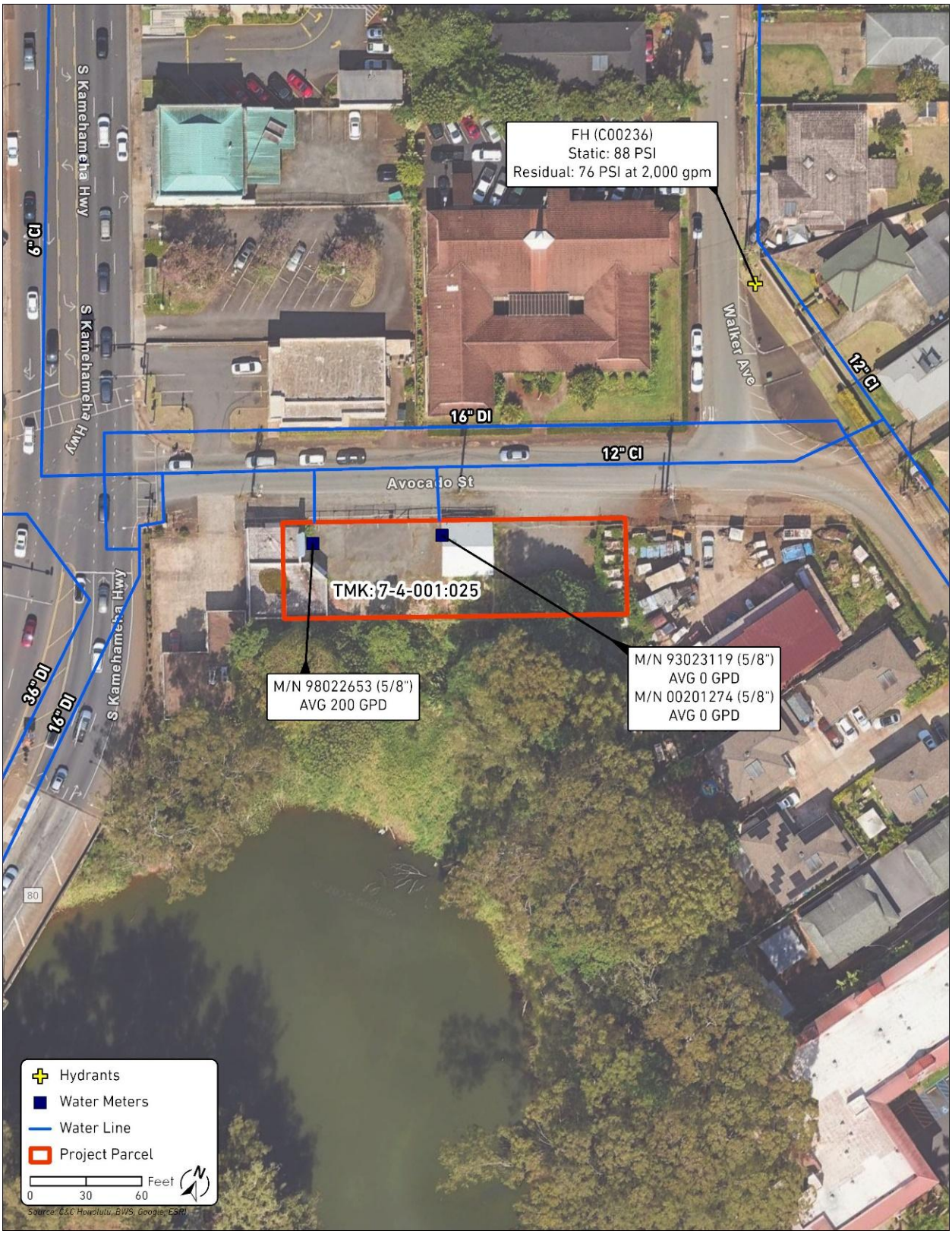


Figure 3-12 **Existing Water System**

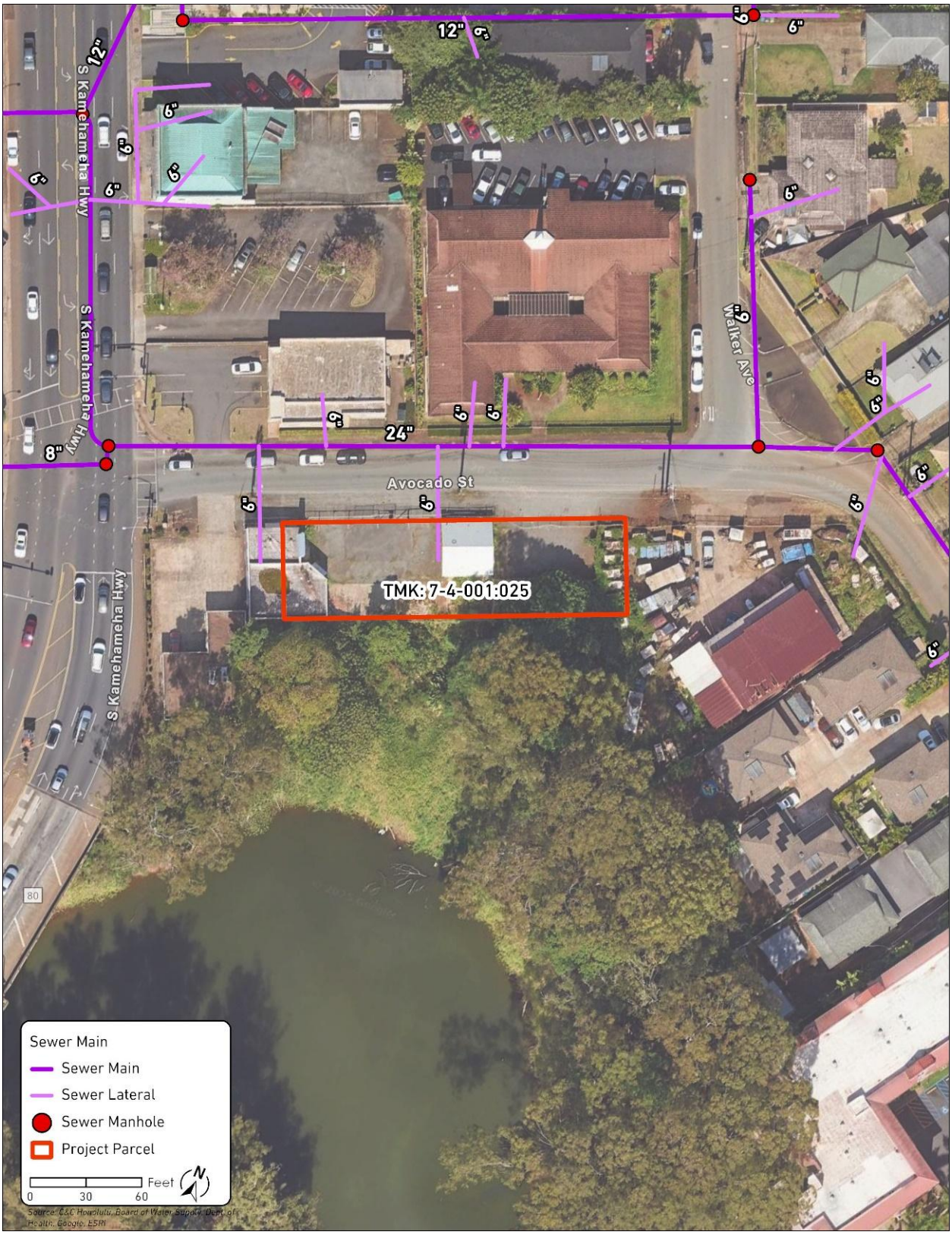


Figure 3-13 **Existing Wastewater Services**

3.10 Traffic, Roadways, and Parking

A Transportation Assessment was completed by the Fehr & Peers in November 2025 (*Appendix F)*. Findings from the traffic assessment are summarized in this section.

Existing Conditions

Kamehameha Highway (Route 80) is the primary roadway serving the project area (*Figure 3-14*). Kamehameha Highway is a north-south, six-lane highway with three northbound lanes, two southbound lanes, and one two-way left turn lane. Kamehameha Highway provides key regional access through Wahiawā, linking Wahiawā residents and visitors to Route 99 and the H-2 Freeway. Notably, Kamehameha Highway is divided south of Avocado Street and undivided to the north. On-street parking is allowed on designated segments on the west side of the highway north of Avocado Street but prohibited elsewhere. Within the project area, the posted speed limit on Kamehameha Highway is 25 mph. Kamehameha Highway is owned and maintained by the State of Hawai'i Department of Transportation's (HDOT's) Highways Division.

Avocado Street provides direct access to the project site (*Figure 3-14*). Avocado Street is an east-west, two-lane (one lane in each direction), undivided roadway that extends from Kamehameha Highway to Walker Avenue. On-street parking generally does not occur on Avocado Street and is prohibited on the south side, as indicated by clear signage. While no speed limit is posted on Avocado Street, the speed limit is presumed to be 25 mph based on the street's design compared to other similar roadways. Avocado Street is owned and maintained by the City and a traffic signal controls the intersection at Kamehameha Highway.

Walker Avenue connects Avocado Street to California Avenue. Walker Avenue is a north-south, two-lane (one lane in each direction), undivided roadway that connects California Avenue to the Wahiawā Freshwater State Recreation Area. Walker Avenue intersects Avocado Street approximately 75 feet east of the site's eastern property boundary. On-street parking is generally prohibited on both sides of Walker Avenue south of Olive Avenue and occurs predominantly on the west side north of Olive Avenue. The posted speed limit on Walker Avenue is 25 mph. Walker Avenue is owned and maintained by the City.

Pedestrian facilities including sidewalks are provided along both sides of Kamehameha Highway north of Avocado Street, and along the west side of Kamehameha Highway south of Avocado Street. No sidewalks or formal paths are provided along either side of Avocado Street or Walker Avenue, with the exception of one 150-foot segment on the west side of Walker Avenue, extending south of Olive Avenue. High-visibility crosswalks are marked on three of the four legs of the signalized intersection of Avocado Street and Kamehameha Highway. The south leg does not contain a marked crosswalk. Notably, the project site is located along Avocado Street which is located within the Pedestrian Priority Network in the O'ahu Pedestrian Plan.

Bicycle facilities are not provided along either side of Avocado Street, Walker Avenue, or Kamehameha Highway, and bicyclists must share the roadway with vehicles or ride on the shoulder of the roadway (if one is present). Sharing the roadway is a common practice on local streets like Avocado Street and Walker Avenue given the lower traffic volumes and travel speeds compared to higher volume roadways such as Kamehameha Highway.

O'ahu's public bus system, TheBus, operates several bus routes within the vicinity of the project site. Routes 51, 52, 83, 99, 511, and PH3 have bidirectional bus stops within approximately 300 feet of

the project site. A comfortable walking distance to access bus transit is generally considered to be within a quarter mile, or 1,320 feet. Peak headways for these routes range from 15 to 60 minutes on weekdays and 30 to 70 minutes on weekends.

As part of the traffic assessment, traffic conditions were observed in May 2025 at the intersection of Avocado Street and Kamehameha Highway. Traffic conditions appeared to be operating at a less-than-desirable level of service during peak hours. Westbound queues were observed along Avocado Street during the morning (AM) and evening (PM) peak hours, and these queues frequently extended beyond the site onto Walker Avenue toward Olive Avenue. Similar northbound queues along Walker Avenue from Olive Avenue were also observed during peak hours. Pedestrian activity along Avocado Street was minimal during the field review with fewer than five (5) pedestrians observed during each of the AM and PM peak hours. Few bicyclists were observed along Avocado Street during field observations.

Anticipated Impacts and Mitigation Measures

Vehicle trips associated with the construction of the DOCARE substation is not anticipated to affect existing levels of traffic in the Wahiawā area. Traffic will be monitored to ensure the movement of construction vehicles, equipment, and deliveries does not adversely affect the current flow of traffic. Should construction activity require the temporary closure of any traffic land, sidewalk, bicycle lane, or pedestrian mall, a street usage permit will be obtained from DTS.

The project is not anticipated to generate a significant amount of vehicle trips that would affect existing levels of traffic in the Wahiawā area. However, given existing westbound queuing observed on Avocado Street, it is possible that vehicles entering and exiting the site may experience temporary delays during certain times of the day. To mitigate temporary delays, the substation has been carefully designed to allow officers flexibility to access Kamehameha Highway via Avocado Street or Walker Avenue in the event of an emergency.

DLNR will consult with DTS on future pedestrian improvements, including the construction of a sidewalk along the property frontage of Avocado Street. The project site and the entire length of Avocado Street is identified as a Pedestrian Priority Network in the Oʻahu Pedestrian Plan. Additionally, DLNR may conduct a sight distance assessment to minimize conflicts between vehicles and pedestrians at the project driveways. The project is not expected to adversely affect pedestrian, bicycle, or transit mobility in the Wahiawā area, and no further mitigation is proposed.

Figure 3-14 **Traffic Study Intersections**

3.11 Socio-Economic Characteristics

Existing Conditions

The project site is located in Census Tract 93.02. As shown in *Table 3-4,* Census Tract 93.02 has a total population of approximately 3,467 individuals, which is approximately 0.3% of O'ahu's total population (U.S. Census, 2023). The median age in the Census Tract 93.02 is 45.7 years old, which is older than the median age in the City and County of Honolulu recorded at 39.4 years old. The racial mix of the area is comprised of proportionately more Asian and individuals with two or more races, and a smaller percentage of White, a trend which differs from both the City and the State.

Table 3-4: Socio-economic Characteristics

	State of Hawai'i	City and County of Honolulu	Census Tract 93.02
Population	1,445,635	1,003,666	3,467
Median Age	40.6	39.4	45.7
Race and Ethnicity			
White	22.5%	18.8%	4.2%
Black or African American	1.9%	2.4%	2.6%
American Indian and Alaska Native	0.3%	.2%	0.0%
Asian	37.3%	42.6%	55.6%
Native Hawaiian and Other Pacific Islander	10.3%	9.9%	13.8%
Other Race	1.7%	1.6%	1.3%
Two or More Races	26%	24.4%	22.5%
Median Household Income	$98,317	$104,264	$108,661
Total Housing Units	564,905	372,329	1,155
Total Employed Population (16 years and over)	668,094	462,629	1,548
Unemployment Rate	5%	4.8%	4.2%

Census Tract 93.02 is comprised of approximately 1,155 housing units, approximately 0.3% of the total number of housing units in the City and County of Honolulu. The median household income in Census Tract 93.02 is approximately $108,661, which is slightly higher than the median household income in the City and State.

Within Census Tract 93.02, approximately 1,548 individuals are employed. The unemployment rate in Census Tract 93.02 is reported at 4.2%, which is slightly lower than the unemployment rate in the City and the State.

Anticipated Impacts and Mitigation Measures

Economic benefits, including the generation of jobs and expenditures from the purchasing of construction materials will be generated during the construction phase of the project. The project is not anticipated to adversely affect population projections or household characteristics in the Wahiawā area or greater City and County of Honolulu. The project will strengthen DOCARE enforcement in the Wahiawā area and will have beneficial impacts throughout the community.

3.12 Public Facilities and Services

This section discusses the potential impacts to public facilities and services in the Wahiawā area.

3.12.1 Educational Facilities

Existing Conditions

The project site is located within the State Department of Education's (DOE) Leilehua-Mililani-Waialua Complex. The Leilehua-Mililani-Waialua Complex is comprised of 15 elementary schools, four middle schools, and three high schools. Within the Leilehua-Mililani-Waialua Complex, the following educational facilities serve the project site:

- Wahiawā Elementary School located at 1402 Glen Avenue
- Wahiawā Intermediate School located at 275 Rose Street
- Leilehua High School located at 1515 California Avenue

Anticipated Impacts and Mitigation Measures

The project is not expected to substantially increase enrollment that may impact operations at educational facilities serving the Leilehua-Mililani-Waialua Complex. No further mitigation is proposed.

3.12.2 Recreational Facilities

Existing Conditions

Recreational facilities in the vicinity of the project site include the Wahiawā Freshwater State Recreation Area, the Wahiawā District Park, and the Wahiawā Botanical Garden. The Wahiawā Freshwater State Recreation Area features trails, fishing areas, and green open space areas for picnicking. Notably, the State Parks Division is in the process of implementing facility improvements to revitalize the park for the community. The Wahiawā District Park features a skate park, basketball court, tennis court, and baseball and softball fields.

Anticipated Impacts and Mitigation Measures

The project is not expected to negatively impact recreational facilities in the nearby vicinity. Locating the DOCARE substation in the nearby vicinity of the Wahiawā Freshwater State Recreation Area will strengthen enforcement and ensure parkgoers are safe. The DOCARE substation will have a positive impact within community, specifically with the projected uptick of parkgoers upon completion of the planned improvements at the Wahiawā Freshwater State Recreation Area.

3.12.3 Police

Existing Conditions

Police services for the island of O'ahu are provided by the City and County of Honolulu Police Department (HPD). HPD patrols the 8 districts of O'ahu and operate a total of 11 police stations. The project site is located within HPD District 2 which covers the area from Mililani to Waimea. District 2 is patrolled by the Wahiawā Police Station. The Wahiawā Police Station is located approximately .65 miles from the project site.

Anticipated Impacts and Mitigation Measures

The project is not expected to impact HPD's operations or ability to provide adequate services throughout the patrol district. The project will strengthen DOCARE enforcement in the greater Wahiawā community. The project is anticipated to have beneficial impacts throughout the community by maintaining order and ensuring the public is safe.

3.12.4 Fire

Existing Conditions

The HFD is an all-hazards response agency that protects and serves the island of O'ahu. HFD responds to emergencies including fires, hazardous materials incidents, technical rescues, natural disasters, and emergency medical calls. On the island of O'ahu, HFD operates a total of 45 fire stations. Within the nearby vicinity of the project site is the Wahiawā Fire Station (Fire Station 16) and the Mililani Mauka Fire Station (Fire Station 41). In the event of an emergency, HFD will dispatch the closest fire engine that is readily available.

Anticipated Impacts and Mitigation Measures

The project is not anticipated to affect HFD's ability to provide emergency services to the surrounding residential neighborhood or greater Wahiawā area. No further mitigation is proposed.

3.12.5 Emergency Medical Services

Existing Conditions

The nearest hospital to the project site is the Queen's Medical Center – Wahiawā (formerly, Wahiawā General Hospital). The closest ambulance unit is stationed at the Wahiawā Fire Station, which transports patients to The Queen's Medical Center - Wahiawā.

HFD works with Emergency Medical Services (EMS), who provide pre-hospital emergency medical care and services for emergency medical calls. A total of 21 EMS ambulance units are dispersed at fire stations and hospitals on the island of O'ahu. The closest ambulance unit is located at the Wahiawā Fire Station. In the event of an emergency, EMS will dispatch the nearest available ambulance unit.

Anticipated Impacts and Mitigation Measures

The Queen's Medical Center - Wahiawā will be accessible should there be an accident or illness affecting workers during construction period. The project is not expected to impact services at Queen's Medical Center - Wahiawā or EMS' ability to provide emergency services in the project area. No additional mitigation measures are proposed.

3.12.6 Solid Waste Management

Existing Conditions

The City and County of Honolulu, Department of Environmental Services provide solid waste collection services at the project site. The site is also served by drop-off centers including the Wahiawa Convenience Center and the Wahiawa Collection Yard.

Anticipated Impacts and Mitigation Measures

The construction phase of the project will generate very limited amounts of construction waste. Waste material will be transported to either the Wahiawa Convenience Center or Wahiawa Collection Yard for proper disposal. The project is not expected to impact existing solid waste collection provided by the City and County of Honolulu.

3.13 Historic, Archaeological and Cultural Resources

3.13.1 Historic and Archaeological Resources

An Archaeological Literature Review and Field Inspection (ALRFI) report was completed by Honua Consulting in July 2025 (*Appendix G)*. The study was completed to identify and evaluate the project's potential effect on historic properties. A summary of the ALRFI is below.

Existing Conditions

The project site is located in the Wai'anae Uka ahupua'a which historically, was part of the lands in the central plateau that was cleared for sandalwood during the early historic period. Archival research revealed that other than a 2014 town-wide reconnaissance level survey, there have been few archaeological studies conducted in the Wahiawā area. Most of the studies that have been completed in the vicinity of the project area were in support of military construction and infrastructure projects. *Figures 3-15 and 3-16* identify previous archaeological studies and historic properties identified in the project area.

Based on previous archaeological studies, no traditional Hawaiian sites are known to exist within the boundaries of the Wahiawā area. The most well-known traditional archaeological site in the area is the Kūkaniloko Birthstones State Monument (State Inventory of Historic Places (SIHP) #-00218) which is located approximately 1.1 miles northwest of the project site. A majority of the historic sites and places of interest in the Wahiawā area are associated with the former OR&L Railroad, pineapple cultivation in the area, plantation camps, the growth and development of Wahiawā town.

A total of 15 historic properties have been documented in the vicinity of the project area (*Figure 3-16).* Traditional Hawaiian sites in the vicinity of the project site include two sites documented during McAllister's island-wide survey of O'ahu in the 1930s. These two sites are identified as the Kūkaniloko

Birthstones State Monument (SIHP #-00218) and its companion heiau Hoʻolonopahu (SIHP #-00219), which has been destroyed. Kūkaniloko was an important complex of birthing boulders located northwest of Wahiawā town. It is one of only two places in the island chain known for the birthing of chiefs. Kūkaniloko had a companion heiau, Hoʻolonopahu which heralded the arrival of new chiefs. Site #-00218 was added to the National Register of Historic Places (NRHP) as NRHP #73000674 in 1973. The site area was expanded to 5 acres in 1995 and relisted as NHRP #94001640. Recent efforts have been made with the Wahiawā community, Division of State Parks, DLNR, and the Office of Hawaiian Affairs (OHA) to pursue a community informed management plan.

In 2020, two historic properties were recorded during an archaeological inventory survey for the Wahiawā pedestrian crossing project. The two sites identified include a cut slope pathway (SIHP #-8875) and train trestle remnants (SIHP #-8876).

The remaining sites identified in the vicinity of the project site were documented during multiple surveys for the Wahiawā Freshwater Park Special Recreation Area. The ten sites documented within the park include a railroad trestle and railbed (SIHP #-10070), a historic drainage system (SIHP #-10071), historic foundation remnants (SIHP #-10072), a boat ramp (SIHP #-10073), WWII era concrete warehouse foundations (SIHP #-10074), a bridge crossing (SIHP #-10075), a concrete drainage ditch (SIHP #-10076), a concrete foundation (SIHP #-10077), a concrete wall and buried metal cylinder (SIHP #-10078), and a concrete culvert headwall and drainage ditch (SIHP #-10079).

As part of the ALRFI, a 100% pedestrian survey of the traversable portions of the project area was conducted on June 16, 2025. The project site is a completely developed commercial property and background research indicates that the abandoned structures were constructed in the 1950s. There were formerly three buildings on the property, however one appears to be recently demolished. The three buildings were included in the 2014 reconnaissance level survey of Wahiawā town recommended structures for NHRP eligibility. Two of the buildings on the site were not evaluated, while one building was determined to be ineligible for listing on the NHRP.

No historic properties were documented, and no significant artifacts or features were encountered on the project site. It is assumed that the lack of historic properties is due to development of the site which included excavation and installation of subsurface utilities for former commercial use, grading for asphalt and concrete paving, and construction of the retaining wall along the southern property boundary.

Anticipated Impacts and Mitigation Measures

Prior to the ALRFI, the project site was not subject to archeological surveying. However, the site was included in the town wide reconnaissance level survey that evaluated a total of 3,585 properties and provided NRHP eligibility recommendations for 3,283 properties. The three structures on the site were included in the survey, two buildings were not evaluated, and the one remaining structure was ineligible for listing on the NRHP.

The archaeological field inspection consisted of a 100% pedestrian survey of the traversable portions of the site. The site is completely developed and does not contain historic properties or significant artifacts or features. The lack of historic properties is likely due to the previous use of the site as a commercial auto shop business. The project is not anticipated to affect historic properties or significant artifacts or features. The ARFLI will be submitted to SHPD for review and concurrence pursuant to HRS 6E-8.

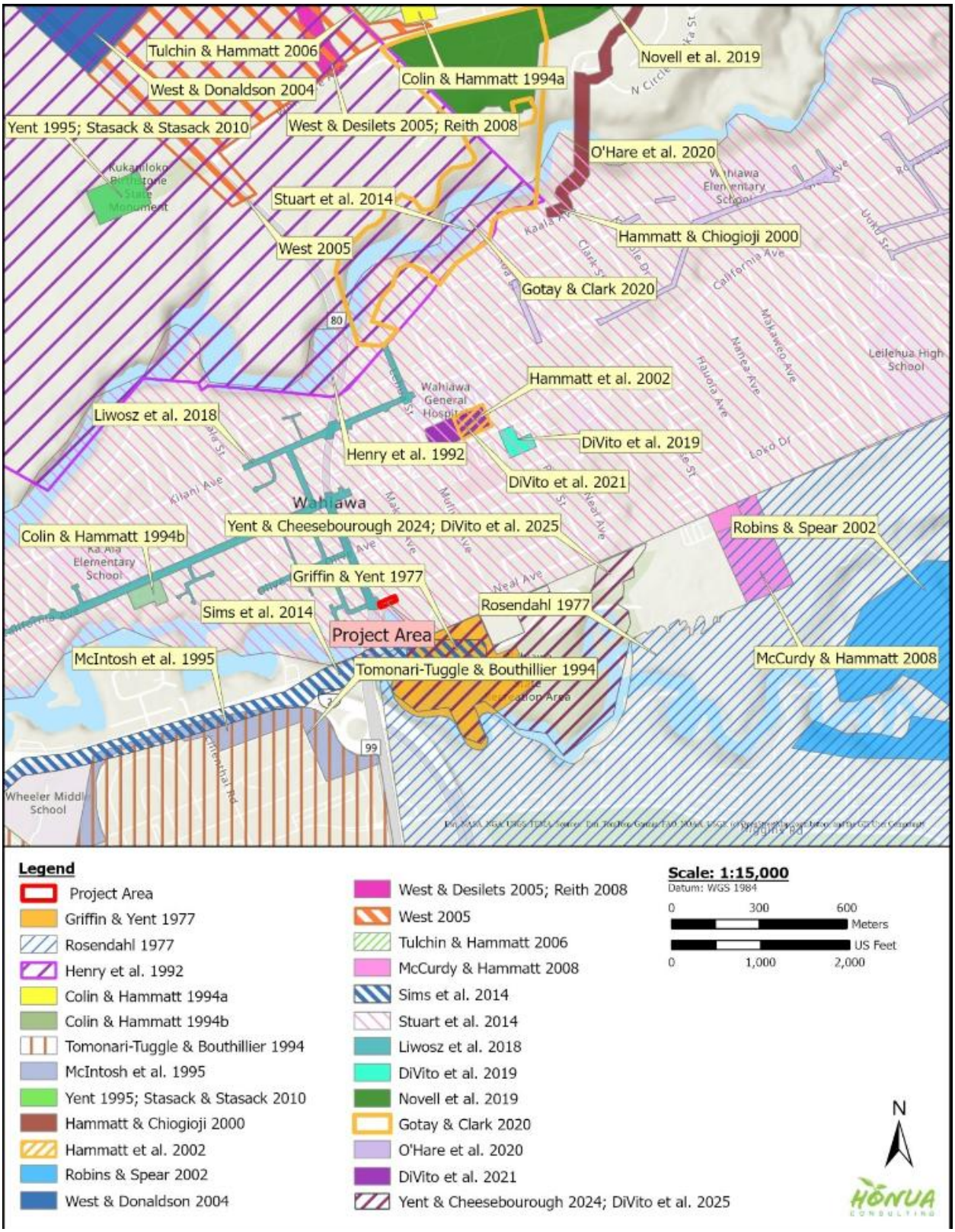


Figure 3-15 **Previous Studies Conducted in the Wahiawā Area (*Honua Consulting*)**

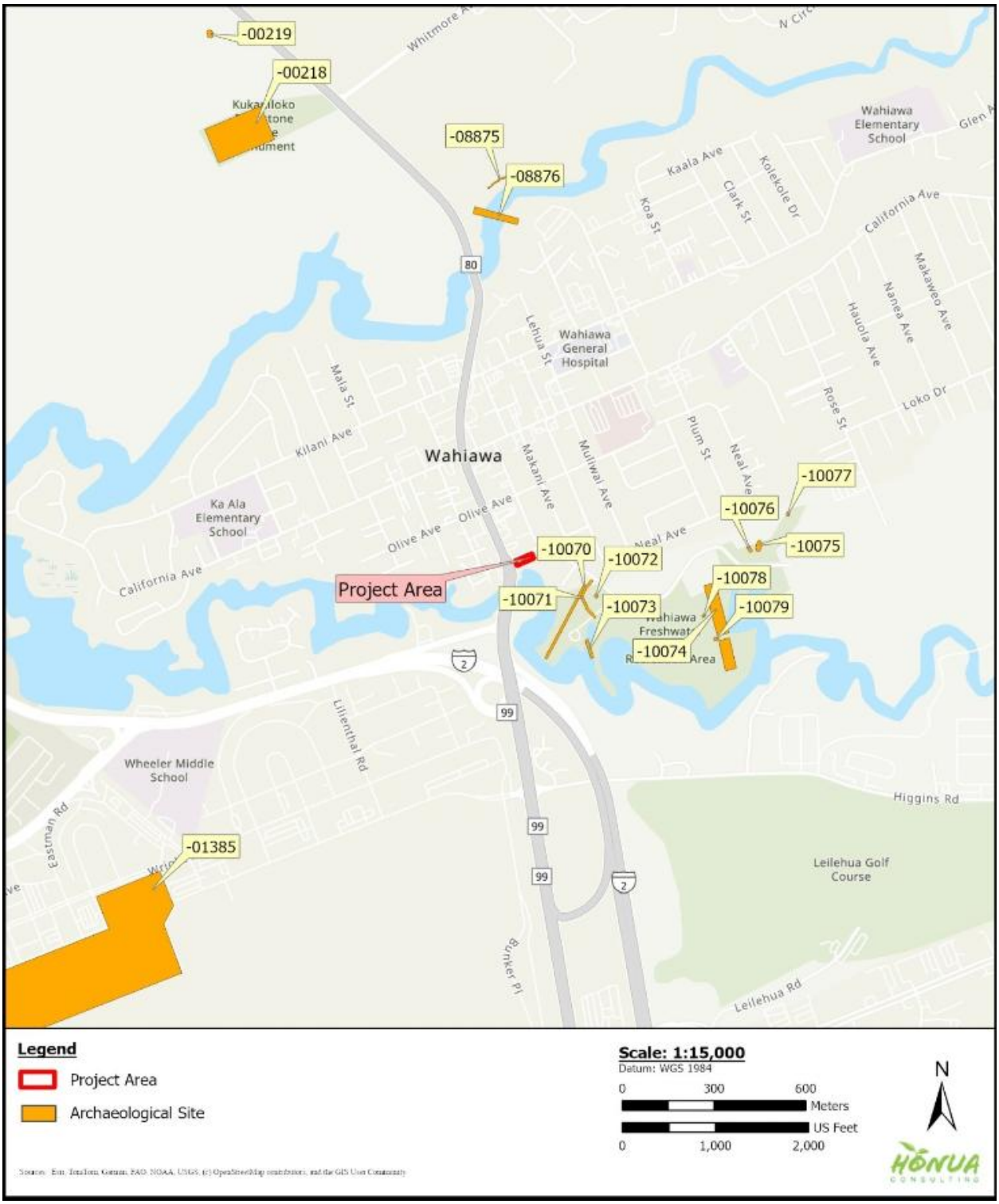


Figure 3-16 Previous Identified Archaeological Sites in the Wahiawā Area (*Honua Consulting*)

3.13.2 Cultural Resources

A Cultural Impact Assessment (CIA) was completed by Honua Consulting LLC in September 2025 and (*Appendix H).* The CIA includes background research of traditional and historic accounts in the Wahiawā area, and an ethnographic survey with cultural informant interviews to evaluate potential impacts on cultural resources, historical resources, and archaeological sites. A summary of the findings from the CIA is located below.

Existing Conditions

Wahiawā is a long-standing traditional name that has been retained into the present, while other place names in the region have been lost in the rapid development of mass agricultural plantations at the beginning of the 20th century when Hawai‘i became a United States Territory. Wahiawā has a rich cultural history, and many mo‘olelo and legends are associated with this region. Wahiawā is translated as “place of noise,” because the sound of ocean waves, particularly during rough (winter) surf, can be heard from the area.

Archival research revealed that an abundance of rain and fresh water supported a diverse ecosystem of native flora and fauna prior to the introduction of industrial agriculture and monocrops (such as pineapple). Evidence of such is recorded in place names, which are memorialized in mo‘olelo, mele, and poetical sayings that are still part of the immense archive and native cultural practice, such as hula and song performance. Additionally, several mele tie these lands to the Kamehameha line, specifically mentioned in compositions for Kauikeaouli (Kamehameha III), Ka Haku o Hawai‘i (Prince Albert, son of Kamehameha IV and Emma), and Kamehameha V.

Traditional Land Use in Wahiawā

Wahiawā, which is located on the western slopes of the Ko‘olau Range was an area known to be the home of chiefs. The chiefs of the area are described by Kamakau (1968) as such:

> The chiefs of Lihue, Wahiawa, and Halemano on Oahu were called Lo chiefs, po‘e Lo Ali‘i [“people from whom to obtain a chief”], because they preserved their chiefly kapus. They lived in the mountains (i kuahiwi); and if the kingdom was without a chief, there in the mountains could be found a high chief (ali‘i nui) for the kingdom. Or if a chief was without a wife, there one could be found – one form chiefly ancestors.

One of the most notable figures to be raised in Wahiawā was Mā‘ilikūkāhi, one of the great ali‘i of O‘ahu who reigned well before the time of Kamehameha. When he was 29 years old, Mā‘ilikūkāhi was chosen by the chiefs, priests, and commoners to be high chief of the island.

During this period, the place names Līhu‘e and Leilehua were still in use for the Wahiawā area. Leilehua (“Lehua blossom garland”) was well known as the site of a lua (Hawaiian martial arts) school and is where Schofield Barracks is now situated. Līhu‘e now is only rarely used for the area, as the name is more commonly linked to the capital city of Kaua‘i County. Leilehua is seldom used, although the name still appears in use by the U.S. Military at its nearby golf course and clubhouse, as the names of these facilities are derived from the traditional place name of the area.

Early Historic Period in Wahiawā

In the 1840s, private property was introduced into Hawaiian society through formation of the Board of Commissioners to Quiet Land Titles and the adoption of the Māhele ‘Āina of 1848 (Māhele). In 1845,

King Kamehameha III waived his right to full authority over the land, portioning it out into: (1) ʻĀina Lei Aliʻi (crown lands) for the occupant of the throne; (2) ʻĀina Konohiki (konohiki lands) for notable chiefs and those who provided service to the Kingdom; and (3) ʻĀina Aupuni (government lands) to be used in support of public initiatives and as a means of providing land to those who did not acquire land in the Māhele. The result of these divisions were approximately as follows: 23.8% (984,000 acres) of land on the islands were allocated to the king and were dubbed the ʻĀina Lei Aliʻi, 39.2% (1,619,000 acres) were the ʻĀina Konohiki to be divided among 245 chiefs, and 37% (1,523,000 acres) were declared as ʻĀina Aupuni which were awarded to makaʻāinana (commoners) who worked the land as active tenants. Land Commission Awards (LCAs) were awarded to commoners as kuleana lands for fee ownership. Kuleana land claims required proof of residency on the land and continued land improvements. LCAs therefore record who resided on the land and how the land was used.

In 1852, Kamananui, which includes the Wahiawā area, was designated Government Crown Land. In 1853, approximately 2,128 acres of land in upland Kamananui, encompassing the project, were purchased for $1,942 and awarded to James Robinson, Robert Lawrence, and Robert W. Holt as Land Grant 973 (*Figure 3-17*). The land was purchased from the Board of Education, who had received it from the Hawaiian Government. Since the land was owned by the Hawaiian Government and later the Board of Education, no LCAs were awarded in the area now known as Wahiawā.

Following the death of James Robinson in 1876, the land was transferred to his son Mark Robinson who used the area for cattle ranching for much of the rest of the 19th century. Robinson was a Hawaiian business magnate and politician best known for being the Minister of Foreign Affairs during the reign of Liliʻuokalani.

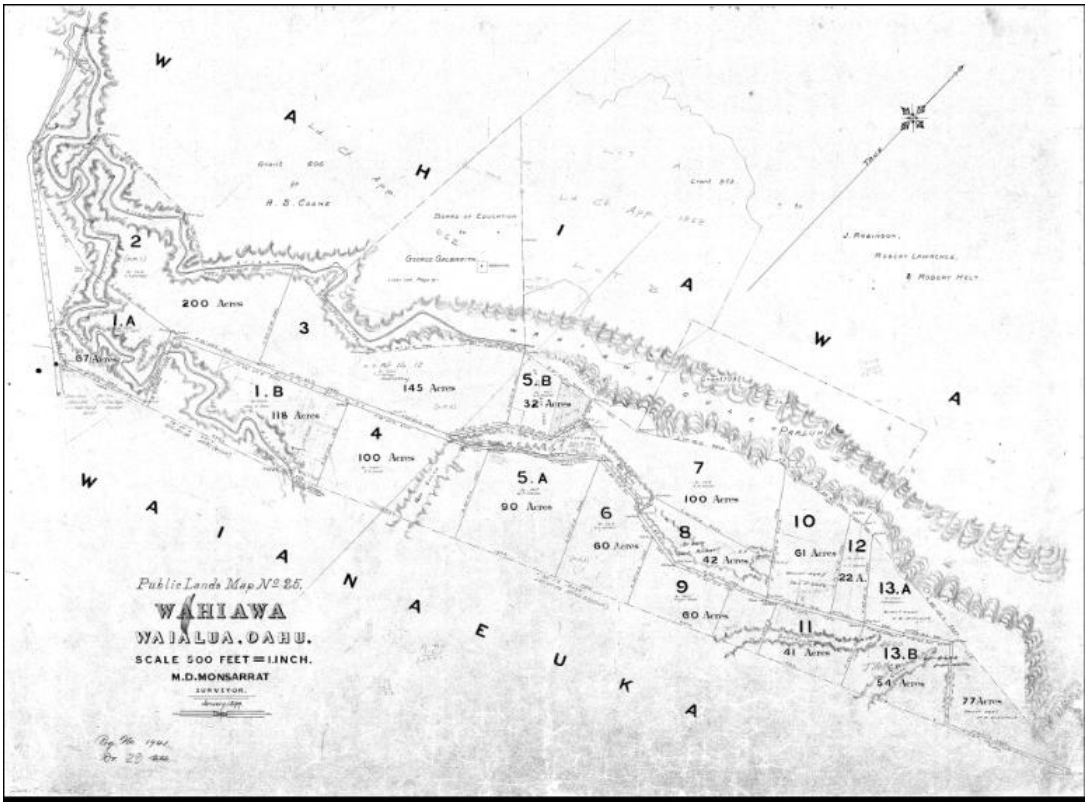


Figure 3-17 **Public Lands Map (*Honua Consulting*)**

Historic Period in Wahiawā

The overthrow of the Kingdom of Hawai'i was led by a group of white American European men, the "Annexation Club," in reference to their strong advocacy for the annexation of Hawai'i to the United States. Members included Henry E. Cooper, Theodore F. Lansing, Henry Waterhouse, Lorrin A. Thurston, Ed Suhr, F.W. McChesney, John Emmeluth, William R. Castle, William O. Smith, J.A. McCandless, C. Bolte, W.C. Wilder, and Andrew Brown. They named themselves the "Citizen's Committee of Public Safety" and later changed their name to "The Committee of Safety." After the overthrow, the individuals who orchestrated the coup d'état self-proclaimed themselves to oversee the government and established the "Republic of Hawai'i." They then "ceded" 1.8 million acres of land set aside as Crown and Government lands through the Māhele to themselves and quickly set out to sell these lands for their own gain.

The Republic of Hawai'i, led by Committee of Safety member Sanford Ballard Dole as President, implemented a plan to sell off the Crown and Government Lands as agricultural homesteads. To achieve this, the Republic of Hawai'i passed the Land Act of 1895, which resulted in the repeal of the 1865 Kingdom Law and allowed the Crown Lands to be sold. The law allowed only citizens to apply and excluded most Asian immigrants from citizenship, limiting the distribution of these homestead lots to only Hawaiian, haole (white) Americans, and western Europeans. Approximately 46,594 acres were removed from the ceded lands sold by the Republic between 1895 and 1898. This included the lands of Wahiawā, as the lands granted to Mark Robinson were reclaimed by the Republic and made available for agricultural homesteads.

Byron Orlando Clark, originally from Iowa, advocated for agriculture in the now-vacant 1,350 acres of land in Wahiawā starting from 1898. Clark lobbied for business associates from California to move to the homestead lands. By 1899, Clark had completed facilitating the issuance of government grants to the Californians and helped them settle in Wahiawā and obtain the citizenship needed for land acquisition The area would become known as the Wahiawā Colony Tract, an area roughly bounded by the north and south forks of Kaukonahua Stream. Clark, along with Alfred W. Eames, began planting and harvesting pineapple in 1900. Eames quickly established the Hawaiian Island Packing Company, which later became pineapple and agricultural giant Del Monte Fresh Produce Inc. Also in 1900, James D. Dole (cousin to Sanford B. Dole), obtained approximately 60 acres of homestead lands in Wahiawā. He set to work building a pineapple plantation and cannery; both became operational by 1903. This significantly contributed to the initial success of the settler colony.

Within ten years, the homesteaders, including Clark, had grown a thriving pineapple industry with more than 250,000 cases being harvested seasonally. Thousands of acres were in production. Wahiawā became the center of the pineapple industry. Clark led Clark Farm Co., Ltd., Dole led the Hawaiian Pineapple Company (which would become Dole Food Company.), W.B. Thomas established and led the Thomas Pineapple Co. (which later became part of Libby, McNeill & Libby when the company expanded into canning fruit). The Thomas plantation consisted of approximately 600 acres in Wahiawā.

The plantations recruited many immigrant laborers to the area. While the 1895 Land Act still prohibited immigrants from applying for homestead lands themselves, they nonetheless moved into the area, often into plantation housing, and built their lives in Wahiawā. The project area was utilized for pineapple cultivation for many years prior to its current use.

While the pineapple industry took off in the Wahiawā area, the U.S. Military began construction of Schofield Barracks to the west of Wahiawā Town in 1909. Wheeler Field was developed in the 1920s

as a small, two-squadron operation, and was greatly expanded in the 1930s. Following World War II, the facility was expanded by the addition of 304 acres.

Ethnographic Survey

Ethnographic interviews were conducted to understand the importance of, and potential impacts to, traditional Hawaiian and/or historic cultural resources and traditional cultural practices in the Wahiawā area. Interviewees were selected because they were identified as individuals from the area with knowledge about the area's history or cultural resources.

Two interviews were conducted as part of the CIA. The first interviewee provided valuable historical, environmental, and practical context for understanding the Wahiawā project area. Recollections highlighted the area's long-standing relationship with agriculture, freshwater management, and small-scale community recreation, as well as its transformation through mid- and late-twentieth-century infrastructure development. From a cultural perspective, the interview suggests that while no direct traditional Hawaiian practices or archaeological resources were identified, the freshwater landscape of Lake Wilson remains an enduring feature of community life in the region. The interview underscores that careful construction management and continued respect for the environmental character of Wahiawā will help ensure that new projects, such as the DOCARE substation, coexist harmoniously with the area's historical and natural setting.

The second interviewee stressed that culturally sensitive development in Wahiawā must respect both the tangible and intangible heritage of the place. While it is not anticipated that the DOCARE substation would directly affect Kūkaniloko or other known cultural sites, community continuity, landscape character, and design sensitivity are critical components of cultural preservation. The interview reflects the importance of acknowledging Wahiawā as a living cultural landscape—where history, genealogy, and daily life remain deeply intertwined—and calls for ongoing consultation, thoughtful design, and respect for the community's enduring cultural identity.

Anticipated Impacts and Mitigation Measures

Background research and ethnohistoric interviews indicate that the Wahiawā region is rich with both pre-contact and post-contact histories. It is recommended that construction BMPs are implemented to minimize potential effects from short-term construction activity. BMPs may include but are not limited to the phasing of construction activities, replacing ground cover of disturbed areas, providing adequate water sources at the site, and the use of temporary silt fencing and screens.

The project is located in the kalana of Wahiawā, a region of cultural and historical significance that includes the wahi pana of Kūkaniloko, one of the most sacred birthing sites in Hawai‘i. While the parcel itself is fully paved and developed with two existing one-story commercial buildings, its geographic context cannot be separated from a larger landscape woven with streams, gulches, place names, and oral histories that reflect long-standing Native Hawaiian relationships with the land. The documents in detail the history of the area, reviewing Hawaiian language newspapers, land commission awards, maps, and ethnographic interviews. This research concluded that no traditional or customary practices are currently exercised on the parcel, and that the project is unlikely to have any adverse impact on historic properties or cultural resources. Oral histories supported this finding, and the report further noted that the proposed substation could yield secondary benefits to cultural practices by enhancing enforcement of conservation laws in the surrounding area.

The ARFLI will be submitted to SHPD for review and concurrence pursuant to HRS 6E-8.

3.13.3 Ka Pa‘akai Analysis

Existing Conditions

A Ka Pa‘akai analysis was completed by Honua Consulting LLC in September 2025 (*Appendix H).* The purpose of the Ka Pa‘akai analysis is to fulfill the State of Hawai‘i “obligation to protect the reasonable exercise of customary and traditionally exercised rights of Hawaiians to the extent feasible” Public Access Shoreline Hawai‘i v. Hawai‘i County Planning Commission (“PASH”) 79 Hawai‘i 425, 450 n. 43, 903 P.2d 1246, 1271 n. 43 (1995). In the Ka Pa‘akai decision of 2000, the Court established a framework “to help ensure the enforcement of traditional and customary Native Hawaiian rights while reasonably accommodating competition private development interests.” 94 Hawai‘i 31, 35, 7 P.3d 1068, 1972 (2000). This analysis is used here to fulfill the goal of this CIA and as guidance to state agencies in fulfilling their obligations under Ka Pa‘akai.

The framework to evaluate potential effects to traditional and customary Native Hawaiian rights includes:

1) *The identification of valued cultural, historical, or natural resources in the project area, including the extent to which traditional and customary Native Hawaiian rights are exercised in the project area.*
2) *The extent to which those resources—including traditional and customary Native Hawaiian rights—will be affected or impaired by the proposed action.*
3) *The feasible action, if any, to be taken to reasonably protect Native Hawaiian rights if they are found to exist.*

As part of the project, an ALRFI, CIA, and Ka Pa‘akai analysis were completed to identify resources that may exist in the project area or adjacent areas. Archival research reveals historic properties are present within the vicinity of the project area. Additionally, archaeological surveying at the project site has been conducted, and DLNR will proceed with consultation with SHPD under HRS §6E-8 to seek concurrence that the project will not affect historic properties. To further evaluate whether access may be affected by the project, ethnographic interviews revealed that access to the area has been limited due to the occupation of the site by informal residents, which has discouraged practitioners from accessing the area due to safety concerns.

Due to the negligible findings of historic resources at the project site, it is not anticipated that the project will affect cultural access. Notably, failure to address ongoing issues of abandonment and occupation by informal residents potentially affects resources that may be useful to practitioners. Although the project is not anticipated to affect traditional and customary practices, it is recommended that native and canoe plants are included in the landscape plan to improve the landscaping and native biota in the project area. Additionally, it is recommended that BMPs are implemented during the construction of the project to minimize potential effects from construction related activity.

Anticipated Impacts and Mitigation Measures

The Wahiawā region is rich with both pre-contact and post-contact histories. While the project is unlikely to have any adverse impact on pre-contact historic properties or Hawaiian cultural practices, the project has an opportunity to enrich the area through interpretive botanical, cultural, and historical programs. It is recommended that native and canoe plants are included in the landscape plan to improve the landscaping and native biota in the project area. Additionally, it is recommended that

BMPs are implemented during the construction of the project to minimize potential effects from construction related activity.

Archival research and ethnographic interviews revealed that there are undoubtedly historic resources and cultural practices within the more considerable geographic extent of the kalana of Wahiawā, however there are none in the immediate project area or within the area that the project will impact. Therefore, per Act 50 and under the Ka Pa‘akai analysis, potential effects on cultural resources or practices are negligible due to the absence of ongoing traditional and customary practices in the immediate project area.

The project may indirectly protect broader resources in the Wahiawā area by deterring illegal dumping, poaching, or development. In this sense, the project is a proactive stewardship that ensures resources are preserved for future generations.

3.14 Visual Resources

Existing Conditions

The project site is located in Wahiawā in the Central District on the island of O‘ahu. Scenic view sheds in the project area are identified in both the Central O‘ahu Sustainable Communities Plan and the O‘ahu General Plan. The preservation and protection of the natural scenic character of Lake Wilson and adjoining forested areas is identified in the Central O‘ahu Sustainable Communities Plan. Lake Wilson and adjoining forested areas are located along the southern boundary of the project site. Existing views at the project site are shown in *Figure 3-18A through 3-18C*.

Anticipated Impacts and Mitigation Measures

The substation will comply with development standards for the Community Business (B-2) and Residential (R-5) District identified in ROH Chapter 21. Public intermittent views of Lake Wilson and adjoined forested areas will be preserved and protected as recognized in the Central O‘ahu Sustainable Communities Plan and O‘ahu General Plan. The project will improve views of Lake Wilson and the adjoining forest areas by addressing ongoing issues of occupation by informal residents and trash that has accumulated on the property.

Figure 3-18 **Site Photo Key**

Central view of the lot from Avocado Street Looking South **Figure 3-18A**

View of Lake Wilson from Southern Property Boundary **Figure 3-18B**

View from Eastern Portion of Lot Looking South **Figure 3-18C**

3.15 Potential Cumulative and Secondary Impacts

Cumulative effects are impacts which result from the incremental effects of an activity when added to other past, present, and reasonably foreseeable future actions, regardless of what agency or person undertake such other actions. To evaluate potential cumulative impacts, publications available in *The Environmental Notice* and active projects on DPP's Public Input Map within the spatial area of Wahiawā and within a five-year framework were utilized to evaluate potential cumulative impacts. *Table 3-5* identifies actions that are within the temporal and spatial parameter for the project to evaluate potential cumulative impacts.

Table 3-5: Cumulative Effects/Impacts Analysis

Project Name	Spatial Scope – Wahiawā		
	Temporal Scope		
	Past	Present	Future
2020 Wahiawa Pedestrian Bridge	X		
2021 Irrigation System Improvements in Central Oahu, Waialua and Wahiawā Districts		X	
2022 Wahiawa Civic Center	X		
2023 Wahiawa Center for Workforce Excellence	X		
2024 Department of Education High Core / Storefront School	X		
2025 Wahiawā Freshwater State Recreation Area Improvements		X	

Past projects identified in the spatial scope of the project site include the State HDOT Wahiawa Pedestrian Bridge, the State Department of Accounting and General Services (DAGS) Wahiawa Civic Center, and the State DOE Wahiawa Center for Workforce Excellence and High Core / Storefront School. Past projects are efforts undertaken by the State to improve the Wahiawā area and strengthen Wahiawā's civic center by consolidating public services, and encouraging the location of more social and community service organizations in the town as recognized by the Central O'ahu Sustainable Communities Plan. The State HDOT Wahiawa Pedestrian Bridge and the State DOE Wahiawa Center for Workforce Excellence and High Core / Storefront School have been issued FONSIs. The Wahiawa Civic Center Final EIS was accepted by the Office of the Governor and the identified mitigation measures will minimize potential impacts. The projects are anticipated to have beneficial impacts throughout the Wahiawā community by providing much needed civic services to improve the central Wahiawā district.

Current projects in the spatial scope of the project site include the State Department of Agriculture Irrigation System Improvements in Central Oahu, Waialua and Wahiawā Districts and the State DLNR Wahiawā Freshwater State Recreation Area Improvements. The Irrigation System Improvements project calls for the expansion of irrigation infrastructure to source irrigation water from the Wahiawā Reservoir (Lake Wilson) and the highest quality of reclaimed water from the Wahiawā Wastewater Treatment Plan. The project will allow non-potable water to be utilized for non-potable irrigation purposes and improve the irrigation system infrastructure in the Central O'ahu area. The Draft EA and Anticipated Finding of No Significant Impact (AFONSI) was published in June 2021.

DLNR Division of State Parks is in the process of completing improvements at the Wahiawā Freshwater Recreation Area. The project calls for the implementation of the conceptual master plan that was a community-based planning effort led by the Division of State Parks. The master plan captures facility improvements and improvements to activity areas to expand recreational activities and enhance safety experience at the park. The park improvements will enhance the user experience and provide a safe park environment in the Wahiawā area. It is anticipated that a FONSI will be issued for the project.

When combined with past, present, and reasonably foreseeable actions utilizing the temporal and spatial framework, it is not anticipated that the project will result in cumulative impacts. In combination with past and present projects, the project will have beneficial impacts by providing additional civic services in the Wahiawā area. Additionally, the project will address ongoing issues of abandonment and occupation by informal residents, improving the Wahiawā area for the existing community. Appropriate measures have been identified throughout this chapter to minimize potential adverse environmental effects. Additionally, the project has been carefully designed to seamlessly integrate into the existing neighborhood.

Secondary impacts are identified as an effect or impact caused by the action and are later in time or farther removed in the distance but are still reasonably foreseeable. The project is not a phase of a larger action. The project is intended to address ongoing issues of abandonment and occupation of the site by informal residents, to improve safety throughout the community. The project is not intended to increase the population in the Wahiawā area nor contribute to a larger set of actions that may induce secondary effects. No secondary effects are anticipated with the project.

Chapter 4

Alternatives to the Proposed Project

Chapter 4

Alternatives to the Proposed Project

The following presents an analysis of the alternatives to the planned project. As stated in Chapter 2 Project Description, the purpose of the project is to address the current abandonment and neglect of the property and strengthen DOCARE enforcement in the Wahiawā and North Shore area. This evaluation of alternatives addresses potential options that could satisfy the project objectives.

4.1 No-Action Alternative

The "No-Action Alternative" is the baseline against which all other alternatives are measured. "No-Action" refers to future site conditions that would result should the project not proceed.

Under the "No-Action Alternative" scenario, the State would not proceed with obtaining ownership of the property to strengthen DOCARE enforcement in the Wahiawā and North Shore area. Under this alternative, current issues of abandonment and occupation by informal residents would persist. This alternative would forgo an opportunity to address community concerns and strengthen DOCARE enforcement in the Wahiawā and North Shore area. Without the planned project, occupation by informal residents would continue.

Under the "No-Action Alternative" scenario, the State would not proceed with obtaining ownership of the property for the construction of a DOCARE substation. Without the planned substation, potential impacts from construction activity including dust, stormwater runoff, and soil erosion would be minimized.

The "No-Action Alternative" would fail to address the abandonment and neglect of the property. Ongoing occupation of the property by informal residents would continue, and the State would need to explore an alternative location for the DOCARE substation that would strengthen DOCARE enforcement in the Wahiawā and North Shore area. While the No-Action Alternative would minimize potential environmental effects from the construction, it would fail to meet the project objectives.

4.2 Alternative Location

An Alternative Location to construct a DOCARE substation in the Wahiawā area has been evaluated as part of the DLNR State Parks Wahiawā Freshwater State Recreation Area Improvements Project. DLNR State Parks is planning to improve the entire Wahiawā Freshwater State Recreation Area to expand recreational opportunities and enhance safety and comfort for park users. As part of these improvements, a multi-division complex facility is planned, and locating a DOCARE substation within the complex has been considered. Locating a DOCARE substation at the park would centrally locate the facility within the DLNR complex and strengthen enforcement. However, this alternative would not address the existing issues of abandonment and neglect of the project site, nor would it address the ongoing presence of informal residents occupying the area.

Under the "Alternative Location" scenario, the State would not proceed with obtaining ownership of the property. Without the construction of the substation at the abandoned site, potential impacts from construction activity including dust, stormwater runoff, and soil erosion would be minimized.

Locating the DOCARE substation within the Wahiawā Freshwater State Recreation Area would centrally locate DLNR facilities within the park. However, the Wahiawā Freshwater State Recreation Area is located further away from the main arterial Kamehameha Highway connecting the Wahiawā and North Shore area and would delay DOCARE officers' response time in the event of an emergency. The project site is located off Avocado Street, along the main arterial highway and provides critical access for DOCARE officers in the event of an emergency.

The "Alternative Location" scenario would fail to address the abandonment and neglect of the property, and the occupation by informal residents would continue. Locating the DOCARE substation within the Wahiawā Freshwater State Recreation Area would centrally locate DLNR facilities within the park, however, would delay response time for DOCARE officers in the event of an emergency. While the Alternative Location scenario would minimize environmental effects from construction of the DOCARE substation at the abandoned site, it would fail to meet the project objectives. For these reasons, the "Alternative Location" scenario was dismissed from further consideration.

4.3 Alternative Use

Under the "Alternative Use" scenario, the State would proceed with the acquisition of the property, but the site would not be occupied by DOCARE. Under this scenario, the State could dedicate the site to a different State department or lease the site. While proceeding with an alternative use would address the abandonment and occupation by informal residents, DOCARE officers patrolling the Wahiawā and North Shore area would continue to operate out of the main station located in Pearl City, and enforcement in the area would not improve.

Without construction of a DOCARE substation at the abandoned site, construction related impacts including dust, stormwater runoff, and soil erosion would be minimized. However, depending on the alternative use, substantial infrastructure and driveway improvements may be required, and could have a greater impact on infrastructure, roadways, and public services in the greater Wahiawā area.

Under the "Alternative Use" scenario, the State would proceed with the acquisition of the property to address abandonment and occupation of the site by informal residents. While the alternative use scenario would address the abandonment and neglect of the site, it would not provide DOCARE officers with a facility in the Wahiawā and North Shore area to strengthen enforcement. Furthermore, an alternative use may result in greater occupancy or activity, which could increase demands on infrastructure, roadways, and public services. Compared to the preferred alternative, construction of the DOCARE substation would have minimal impacts on infrastructure, roadways, and public services in the project area. For this reason, the "Alternative Use" scenario was dismissed from further consideration.

4.4 Preferred Alternative

The Preferred Alternative is for the State to obtain ownership of the property to strengthen DOCARE enforcement in the Wahiawā and North Shore area. Obtaining ownership of the property will address current occupation by informal residents and will strengthen enforcement in the patrol area.

As analyzed in *Chapter 3*, the planned project has been evaluated for its effects on the natural and human environment and measures to mitigate potential impacts have been identified. BMPs will be implemented during construction to minimize dust, stormwater runoff, and erosion. The project is not anticipated to affect roadways, infrastructure, or public services in the greater Wahiawā area. Furthermore, a DOCARE substation at the site will not alter the character of the neighborhood, rather it is expected to have positive effects throughout the surrounding community by strengthening the presence of enforcement in the Wahiawā area.

The DOCARE substation has been carefully designed for officers to quickly and safely mobilize in the event of an emergency. The ground level prioritizes clear and unobstructed traffic flow with administrative and operational spaces located on a second story for clear visibility of Avocado Street. With careful design consideration, the site will be safely secured for DOCARE personnel and allow for quick response in the event of an emergency.

As carefully evaluated in this Chapter,

- The “No-Action Alternative” would not address the abandonment of the property and would fail to improve DOCARE enforcement in the Wahiawā and North Shore area.
- Re-locating the DOCARE substation to the Wahiawā Freshwater State Recreation Area would fail to address the abandonment of the property but would centrally locate the DOCARE substation within the DLNR complex at the park. However, the central location would not provide DOCARE officers with the ability to quickly mobilize in the event of an emergency.
- An alternative use of the property would address the abandonment and occupation by informal residents but would fail to provide DOCARE officers with a substation in the Wahiawā and North Shore area to improve enforcement.

The preferred alternative will address the abandonment and occupation by informal residents and provide DOCARE officers patrolling the Wahiawā and North Shore area with a nearby substation. The State recognizes that the abandonment of the site is an ongoing concern within the community and plans to obtain ownership of the property. Once constructed, the DOCARE substation will provide officers with a nearby facility, thereby strengthening enforcement in the area. The project will have positive beneficial impacts in the surrounding Wahiawā community.

This page left blank intentionally.

Chapter 5

Plans and Policies

Chapter 5

Plans and Policies

The project's consistency with applicable Federal, State, and City planning and land use objectives, policies, principles and guidelines are discussed below.

5.1 Americans with Disabilities Act of 1991

In 1991, the Federal government enacted the Americans with Disabilities Act (ADA) to provide equal accessibility for persons with disabilities. Part of this statute requires building designs to consider and incorporate the needs of persons with disabilities. Chapter 103-50 of the Hawai'i Revised Statutes (HRS) states,"…all plans and specifications for the construction of public buildings, facilities, and sites shall be prepared so that the buildings, facilities, and sites are accessible to and usable to persons with disabilities." The Disability and Communication Access Board (DCAB) shall adopt rules for the design of buildings, facilities, and site, by or on behalf of the State and Counties.

Discussion: The DOCARE substation will be designed and constructed to meet ADA standards and applicable building standards articulated in ROH Chapter 16.

5.2 Coastal Zone Management Act

In 1972, the Federal government enacted the Coastal Zone Management Act (CZMA) to effectively manage, use, protect, and develop coastal areas in the U.S. The CZMA was a government response to increasing and competing demands upon habitats and resources of coastal lands and waters. Such demands often resulted in a loss of living marine resources and wildlife; depleted nutrient-rich areas; shoreline erosion; diminished open space for public use; and permanent and adverse changes to ecological systems. Under the CZMA, states are authorized to work in a unified manner with Federal and local governments to develop programs, policies, evaluation criteria, and development standards that lend to the effective protection and prudent use of coastal lands and waters.

The enforcement authority for the Federal Coastal Management Program (Public Law 104-150, as amended in 1996), has been delegated to the State under HRS, Chapter 205A, Coastal Zone Management Program. The State defines the coastal zone management area as the following:

"All lands of the State and the area extending seaward from the shoreline limit of the State's police power and management authority, including the United States territorial sea."

Discussion: In Hawai'i, the coastal zone management area encompasses all lands of the State and therefore includes the project area. Further discussion on the compliance with the State's CZM objectives and policies is located in *Section 5.5.*

5.3 Hawai‘i State Land Use District Boundaries

Under HRS Chapter 205, the State Land Use Commission (LUC) is responsible for classifying all lands of the State in one of four districts including Urban, Rural, Agricultural, and Conservation lands. The basic intent of the LUC is to regulate the classification and uses of lands to accommodate growth and development as needed, and to retain and protect important agricultural and natural resource areas. Additionally, the LUC is also responsible for administering all requests for district reclassifications and/or amendments to district boundaries.

Discussion: As classified by the LUC, the project parcels are located within the State Urban District. The project is consistent with permitted uses for the Urban District and will not require district reclassification or land use boundary amendment.

5.4 Hawai‘i State Plan

The Hawai‘i State Plan established a statewide planning system that provides goals, objectives, and policies that detail priority directions and concerns of the State of Hawai‘i; and these will be discussed as they relate to the project.

It is the goal of the State, under the Hawai‘i State Planning Act (HRS Chapter 226), to achieve the following:

- A strong, viable economy, characterized by stability, diversity, and growth, that enables the fulfillment of the needs and expectations of Hawai‘i’s present and future generations.
- A desired physical environment, characterized by beauty, cleanliness, quiet, stable natural systems, and uniqueness, that enhances the mental and physical well-being of the people.
- Physical, social, and economic well-being, for individuals and families in Hawai‘i, that nourishes a sense of community responsibility, of caring, and of participation in community life (Chapter 226-4, HRS).

Objectives and policies of the State Plan that pertain to the project are as follows:

Section 226-11 Objectives and policies for the physical environment–land-based, shoreline, and marine resources.

(b) To achieve the land-based, shoreline, and marine resources objectives, it shall be the policy of this State to:

(1) Exercise an overall conservation ethic in the use of Hawai‘i’s natural resources.

(2) Ensure compatibility between land-based and water-based activities and natural resources and ecological systems.

(3) Take into account the physical attributes of areas when planning and designing activities and facilities.

(4) Manage natural resources and environs to encourage their beneficial and multiple use without generating costly or irreparable environmental damage.

Discussion: The project supports the State’s objectives and policies regarding land-based, shoreline, and marine resources. The project will improve an abandoned site that is currently occupied by informal residents. Improvements will manage stormwater runoff, environmental conditions, and

public safety in the greater Wahiawā neighborhood. The project is designed to be compatible with the surrounding Wahiawā neighborhood and is consistent with the existing land use character.

Section 226-12 Objectives and policies for the physical environment—scenic, natural beauty, and historic resources.

(a) Planning for the State's physical environment shall be directed towards achievement of the objective of enhancement of Hawai'i's scenic assets, natural beauty, and multi-cultural/historical resources.

(b) To achieve the scenic, natural beauty, and historic resources objectives, it shall be the policy of this State to:

(1) Promote the preservation and restoration of significant natural and historic resources.

(3) Promote the preservation of views and vistas to enhance the landscapes, and other natural features.

Discussion: The project supports the State's objectives regarding scenic, natural beauty, and historic resources. An LRFI, CIA, and Ka Pa'akai analysis were completed to identify and evaluate potential impacts to historic and cultural resources. The site does not contain significant historic cultural or archaeological practices, and the project will improve the site and address occupation by informal residents. The project is designed to be compatible with the surrounding Wahiawā neighborhood and is consistent with the existing land use character.

Section 226-13 Objectives and policies for the physical environment–land, air, and water quality.

(a) Planning for the State's physical environment with regard to land, air, and water quality shall be directed towards achievement of the following objectives:

(1) Maintenance and pursuit of improved quality in Hawai'i's land, air, and water resources.

(2) Greater public awareness and appreciation of Hawai'i's environmental resources.

(b) To achieve the land, air, and water quality objectives, it shall be the policy of this State to:

(2) Promote the proper management of Hawai'i's land and water resources.

(6) Encourage design and construction practices that enhance the physical qualities of Hawai'i's communities.

(7) Encourage urban developments in close proximity to existing services and facilities.

Discussion: The project supports the State's objectives regarding the physical environment. The project will improve an abandoned site that is currently occupied by informal residents. Improvements will manage stormwater runoff, environmental conditions, and public safety in the greater Wahiawā neighborhood. The project is designed to be compatible with the surrounding Wahiawā neighborhood and is consistent with the existing land use character. The substation will strengthen enforcement in the Wahiawā area thereby improving public safety.

Section 226-14 Objectives and policies for facility systems – in general.

(a) Planning for the State's facility systems in general shall be directed towards achievement of the objective of water, transportation, sustainable development, climate change adaptation, sea level rise adaptation, waste disposal, and energy and telecommunication systems that support statewide social, economic, and physical objectives:

(b) To achieve the general facility systems objective, it shall be the policy of this State to:

(1) Accommodate the needs of Hawaii's people through coordination of facility systems and capital improvement priorities in consonance with state and county plans.

(2) Encourage flexibility in the design and development of facility systems to promote prudent use of resources and accommodate changing public demands and priorities.

Discussion: The project supports the State's objectives and policies regarding facility systems. The project will provide DOCARE officers with a substation in the Wahiawā area to strengthen enforcement. The substation is designed to be compatible with the surrounding Wahiawā neighborhood and land use character. Further discussion on the project's consistency with existing state and county plans is discussed throughout this chapter.

Section 226-20 Objectives and policies for socio-cultural advancement–health.

(a) Planning for the State's socio-cultural advancement with regard to health shall be directed toward achievement of the following objectives:

(2) Maintenance of sanitary and environmentally healthful conditions in Hawai'i's communities.

Discussion: The project supports the objectives and the policies of the State regarding health. The project will improve an abandoned site that is currently occupied by informal residents. Improvements will manage stormwater runoff, environmental conditions, and public safety in the greater Wahiawā neighborhood. The substation will strengthen enforcement in the Wahiawā area thereby improving public safety.

Section 226-24 Objectives and policies for socio-cultural advancement—individual rights and personal well-being.

(a) Planning for the State's socio-cultural advancement with regard to individual rights and personal well-being shall be directed towards the achievement of the following objectives of increased opportunities and protection of individuals rights to enable individuals to fulfill their socio-economic needs and aspirations*:*

(b) To achieve the individual rights and personal well-being objective, it shall be the policy of this State to:

(1) Provide effective services and activities that protect individuals from criminal acts and unfair practices and that alleviate the consequences of criminal acts in order to foster a safe and secure environment.

Discussion: The project supports the State's objectives and policies regarding individual rights and personal well-being. The project will address ongoing issues of neglect and use of the site by informal residents. Moreover, the site will be utilized by DOCARE to strengthen enforcement in the Wahiawā and North Shore patrol districts thereby improving public safety.

Section 226-26 Objectives and policies for socio-cultural advancement—public safety.

(a) Planning for the State's socio-cultural advancement with regard to public safety shall be directed towards the achievement of the following objectives*:*

(1) Assurance of public safety and adequate protection of life and property for all people.

(2) Optimum organizational readiness and capability in all phases of emergency management to maintain the strength, resources, and social and economic well-being of the community in the event of civil disruptions, wars, natural disasters, and other major disturbances.

Discussion: The project supports the State's objectives and policies for public safety. The project will address ongoing issues of neglect and use of the site by informal residents. Moreover, the site will be utilized by DOCARE to strengthen enforcement in the Wahiawā and North Shore patrol districts thereby improving public safety.

The substation is designed to maximize efficient emergency response. Operational and administrative spaces are located above ground on a second story to leave the ground level clear for efficient deployment in the event of an emergency. Details of the substation design are located in *Section 2.4.*

Section 226-27 Objectives and policies for socio-cultural advancement–government.

(a) Planning the State's socio-cultural advancement with regard to government shall be directed towards the achievement of the following objectives:

(1) Efficient, effective, and responsive government services at all levels in the State.

(b) To achieve the government objectives, it shall be the policy of this State to:

(1) Provide for necessary public goods and services not assumed by the private sector.

(5) Assure that government attitudes, actions, and services are sensitive to community needs and concerns.

Discussion: The project supports the State's objectives and policies for the government. The project will address ongoing community concerns of neglect and occupation of the site by informal residents. Moreover, the site will be utilized by DOCARE to strengthen enforcement in the Wahiawā and North Shore patrol districts thereby improving public safety.

Section 226-103 Economic priority guidelines

(a) Priority guidelines to stimulate economic growth and encourage business expansion and development to provide needed jobs for Hawai'i's people and achieve a stable and diversified economy:

(v) Are sensitive to community needs and priorities.

(b) Priority guidelines to promote the economic health and quality of the visitor industry*::*

(8) Support law enforcement activities that provide a safer environment for both visitors and residents alike.

Discussion: The project supports the State's objectives and policies for the economy. The project will provide DOCARE officers with a substation in the Wahiawā area to strengthen enforcement in the Wahiawā and North Shore patrol districts. Strengthening enforcement in the Wahiawā and North Shore patrol districts will improve public safety for residents and visitors.

Section 226-105 Crime and Criminal Justice Priority Guidelines.

(a) Priority Guidelines in the Area of Crime and Criminal Justice*:*

(1) Support law enforcement activities and other criminal justice efforts that are directed to provide a safer environment.

Discussion: The project supports the State's objectives and policies for crime and criminal justice. The project will address ongoing issues of neglect and use of the site by informal residents. Moreover, the site will be utilized by DOCARE to strengthen enforcement in the Wahiawā and North Shore patrol districts thereby improving public safety.

5.5 Hawai'i Coastal Zone Management Program

The Coastal Zone Management Program (CZMP) is a comprehensive nationwide program that establishes and enforces standards and policies to guide the development of public and private lands within the coastal areas. In the State of Hawai'i, the CZMP is implemented through the State Coastal Zone Management Law, codified in HRS Chapter 205A (State CZM Law). The State CZM Law's objectives and policies address ten subject areas including: recreational resources, historic resources, scenic and open space resources, coastal ecosystems, economic uses, coastal hazards, managing development, public participation, beach protection, and marine resources. Virtually all relate to potential development impacts on the shoreline, near shore, and ocean area environments. The following subsections examine the applicability of the project with the objectives and policies of the Hawai'i CZMP.

RECREATIONAL RESOURCES

Objective: Provide Coastal Recreational Opportunities Accessible to the Public.

(A) Improve coordination and funding of coastal recreation planning and management.

(B) Provide adequate, accessible, and diverse recreational opportunities in the coastal zone management area by:

- *Protecting coastal resources uniquely suited for recreational activities that cannot be provided in other areas;*
- *Requiring replacement of coastal resources having significant recreational value, including but not limited to coral reefs, surfing sites, fishponds, sand beaches, and coastal dunes, when these resources will be unavoidably damaged by development; or requiring monetary compensation to the State for recreation when restoration is not feasible or desirable;*
- *Providing and managing adequate public access, consistent with conservation of natural resources, to and along shorelines with recreational value;*
- *Providing an adequate supply of shoreline parks and other recreational facilities suitable for public recreation;*
- *Ensuring public recreational use of county, state, and federally-owned or controlled shoreline lands and waters having recreational value consistent with public safety standards and conservation of natural resources;*
- *Adopting water quality standards and regulating point and nonpoint sources of pollution to protect and where feasible, restore the recreational value of coastal waters;*
- *Developing new shoreline recreational opportunities, where appropriate, such as artificial lagoons, artificial beaches, artificial reefs for surfing and fishing; and*
- *Encouraging reasonable dedication of shoreline areas with recreational value for public use as part of discretionary approvals or permits by the land use commission, board of land and natural resources, county authorities; and crediting such dedication against the requirements of Section 46-6.*

Discussion: The project supports the CZM's objectives and policies regarding recreational resources. The project will provide DOCARE officers patrolling the Wahiawā and North Shore patrol districts with a substation located in Wahiawā. This substation is located inland, away from coastal dependent areas, and will continue to preserve and maintain recreational coastal resources in the greater North Shore area.

The project will improve an abandoned site that is currently occupied by informal residents. Improvements will manage stormwater runoff, environmental conditions, and public safety in the greater Wahiawā neighborhood. Contractors will adhere to applicable provisions of the DOH Water Quality Standards (HAR Section 11-54) and Water Pollution Control Requirements (HAR Section 11-55) during the construction of the project.

HISTORIC RESOURCES

Objective: Protect, preserve and, where desirable, restore those natural and man-made historic and prehistoric resources in the coastal zone management area that are significant in Hawaiian and American history and culture.

(A) Identify and analyze significant archaeological resources;

(B) Maximize information retention through preservation of remains and artifacts or salvage operations; and

(C) Support state goals for protection, restoration, interpretation and display of historic resources.

Discussion: The project supports the CZM's objectives and policies to protect historical resources. An LRFI, CIA, and Ka Pa'akai analysis were completed to identify and evaluate potential impacts to historic and cultural resources. The site does not contain significant historic cultural or archaeological practices, and the project will improve the site and address occupation by informal residents. Consultation with SHPD will be conducted pursuant to HRS §6E-8.

SCENIC AND OPEN SPACE RESOURCES

Objective: Protect, preserve and where desirable, restore or improve the quality of coastal scenic and open space resources.

(A) Identify valued scenic resources in the coastal zone management area;

(B) Ensure that new developments are compatible with their visual environment by designing and locating such developments to minimize the alteration of natural landforms and existing public views to and along the shoreline;

(C) Preserve, maintain, and, where desirable, improve and restore shoreline open space and scenic resources; and

(D) Encourage those developments which are not coastal dependent to locate in inland areas.

Discussion: The project supports the CZM's objectives and policies to protect scenic and open space resources. The project site is located in Wahiawā and will not directly affect coastal views.

The substation is designed to be compatible with the surrounding Wahiawā neighborhood and is consistent with the existing land use character. Existing views surrounding and nearby the site including Lake Wilson will continue to be maintained as open space.

COASTAL ECOSYSTEMS

Objective: Protect valuable coastal ecosystems, including reefs, beaches, and coastal dunes, from disruption and minimize adverse impacts on all coastal ecosystems.

(A) Exercise an overall conservation ethic, and practice stewardship in the protection, use, and development of marine and coastal resources;

(B) Improve the technical basis for natural resource management;

(C) Preserve valuable coastal ecosystems of significant biological or economic importance, including reefs, beaches, and dunes;

(D) Minimize disruption or degradation of coastal water ecosystems by effective regulation of stream diversions, channelization, and similar land and water uses, recognizing competing water needs; and

(E) Promote water quantity and quality planning and management practices which reflect the tolerance of fresh water and marine ecosystems and maintain and enhance water quality through the development and implementation of point and nonpoint source water pollution control measures.

Discussion: The project supports the CZM's objectives and policies regarding coastal ecosystems. The project will provide DOCARE officers patrolling the Wahiawā and North Shore patrol districts with a substation located in Wahiawā. This substation is located inland, away from coastal dependent areas, and will continue to preserve and maintain recreational coastal ecosystems in the greater North Shore area.

The project will improve an abandoned site that is currently occupied by informal residents. Improvements will manage stormwater runoff, environmental conditions, and public safety in the greater Wahiawā neighborhood. Contractors will adhere to applicable provisions of the DOH Water Quality Standards (HAR Section 11-54) and Water Pollution Control Requirements (HAR Section 11-55) during the construction of the project.

ECONOMIC USES

Objective: Provide public or private facilities and improvements important to the State's economy in suitable locations.

(A) Concentrate coastal dependent development in appropriate areas;

(B) Ensure that coastal dependent development and coastal related development are located, designed, and constructed to minimize exposure to coastal hazards and adverse social, visual, and environmental impacts in the coastal zone management area;

(C) Direct the location and expansion of coastal dependent developments to areas designated and used for that development and permit reasonable long-term growth at those areas, and permit coastal development outside the designated areas when:

(i) Use of presently designated locations is not feasible;

(ii) Adverse environmental effects are minimized; and

(iii) The development is important to the State's economy.

Discussion: The project supports the CZM's objectives and policies with regards to economic uses. The project will build a new DOCARE substation for officers patrolling the Wahiawā and North Shore patrol districts in Wahiawā. The substation will be built outside coastal zone area and thereby minimizes new development in coastal dependent areas.

COASTAL HAZARDS

Objective: Reduce hazard to life and property from coastal hazards.

(A) Develop and communicate adequate information about the risks of coastal hazards;

(B) Control development, including planning and zoning control, in areas subject to coastal hazards;

(C) Ensure that developments comply with requirements of the Federal Flood Insurance Program; and

(D) Prevent coastal flooding from inland projects.

Discussion: The project supports the CZM's objectives and policies to reduce threats from coastal hazards. The project site is located in Wahiawā and is not anticipated to be directly impacted by coastal flooding. The project site is located in Flood Zone D (unstudied areas when flood hazards are undetermined, but flooding is possible." The DOCARE substation will comply with applicable building code standards identified in ROH Chapter 16 to minimize threats from natural hazards, including flooding.

MANAGING DEVELOPMENT

Objective: Improve the development review process, communication, and public participation in the management of coastal resources and hazards.

(A) Use, implement, and enforce existing law effectively to the maximum extent possible in managing present and future coastal zone development;

(B) Facilitate timely processing of applications for development permits and resolve overlapping or conflicting permit requirements; and

(C) Communicate the potential short and long-term impacts of proposed significant coastal developments early in their life cycle and in terms understandable to the public to facilitate public participation in the planning and review process.

Discussion: This project supports the CZM's objectives and policies with regards to managing development in coastal areas. This Draft EA has been prepared pursuant to HRS Chapter 343 and HAR Chapter 11-200.1 and complies with the requirements for assessing and communicating the potential short and long-term impacts of the project.

PUBLIC PARTICIPATION

Objective: Stimulate public awareness, education, and participation in coastal management.

(A) Promote public involvement in coastal zone management processes;

(B) Disseminate information on coastal management issues by means of educational materials, published reports, staff contact, and public workshops for persons and organizations concerned with coastal issues, developments, and government activities; and

(C) Organize workshops, policy dialogues, and site-specific mediations to respond to coastal issues and conflicts.

Discussion: This Draft EA has been prepared to support the acquisition and use of the property by DLNR. In accordance with HAR Chapter 11-200.1, early consultation for the Draft EA was carried out to consult with agencies and citizen groups and individuals that have jurisdiction or expertise on the project area.

The publication of the Draft EA in the ERP's bi-monthly bulletin commences the 30-day Draft EA public review period. The public, including agencies and citizen groups and individuals, are encouraged to comment on the proposed action. Comments submitted through the public review process are included with the Final EA.

BEACH AND COASTAL DUNE PROTECTION

Objective: Protect beaches and coastal dunes for:

i. Public use and recreation;

ii. The benefit of coastal ecosystems; and

iii. Use as natural buffers against coastal hazards; and

Coordinate and fund beach management and protection.

(A) Locate new structures inland from the shoreline setback to conserve open space and to minimize loss of improvements due to erosion;

(B) Prohibit construction of private shoreline hardening structures, including seawalls and revetments, at sites having sand beaches and at sites where shoreline hardening structures interfere with existing recreational and waterline activities;

(C) Minimize the construction of public shoreline hardening structures, including seawalls and revetments, at sites having sand beaches and at sites where shoreline hardening structures interfere with existing recreational and waterline activities

(D) Minimize grading of and damage to coastal dunes;

(E) Prohibit private property owners from creating a public nuisance by inducing or cultivating the private property owner's vegetation in a beach transit corridor; and

(F) Prohibit private property owners from creating a public nuisance by allowing the private property owner's unmaintained vegetation to interfere or encroach upon a beach transit corridor.

Discussion: The project supports the policies and objectives regarding the protection of beaches and coastal dunes. The project will provide DOCARE officers patrolling the Wahiawā and North Shore patrol districts with a substation located in Wahiawā. This substation is located inland, away from coastal dependent areas, thereby minimizing the risk of new development in coastal dependent areas.

MARINE AND COASTAL RESOURCES

Objective: Promote the protection, use, and development of marine and coastal resources to assure their sustainability.

(A) Ensure that the use and development of marine and coastal resources are ecologically and environmentally sound and economically beneficial;

(B) Coordinate the management of marine and coastal resources and activities to improve effectiveness and efficiency;

(C) Assert and articulate the interests of the State as a partner with federal agencies in the sound management of ocean resources within the United States exclusive economic zone;

(D) Promote research, study, and understanding of ocean and coastal processes, impacts of climate change and sea level rise, marine life, and other ocean resources to acquire and inventory information necessary to understand how coastal development activities relate to and impact ocean and coastal resources; and

(E) Encourage research and development of new, innovative technologies for exploring, using, or protecting marine and coastal resources.

Discussion: The project supports the CZM's objectives and policies with regards to marine and coastal resources. The project will provide DOCARE officers patrolling the Wahiawā and North Shore patrol districts with a substation located in Wahiawā. This substation is located inland, away from coastal dependent areas, thereby minimizing potential impacts from coastal development on marine and coastal resources.

5.6 Hawai'i 2050 Sustainability Plan

The long-term strategy of the Hawai'i 2050 Sustainability Plan is supported by its goals and strategies that respect culture, character, beauty, and history of the State's island communities; balance among economic, community, and environmental priorities; and an effort to meet the needs of the present without compromising the ability of future generations to meet their own needs. In an effort to continue coordination and implementation of Hawai'i's sustainability and climate adaptation goals, principles, and policies, pursuant to HRS §226-65, the Hawai'i 2050 Sustainability Plan has been updated to align the state's goals, policies, and strategies in accordance with the United Nations Sustainability Development Goals and recommends sustainability and climate change actions for the 2020-2030 decade. The updated plan identified eight (8) focus areas with 38 strategies that will help Hawai'i become more equitable, climate resilient, and sustainable during this decade of action. The focus areas and strategies that are pertinent to the project are discussed below:

Focus Area: Advance Sustainable Communities

Strategy 23: *Integrate sustainable design principles into new and existing buildings.*

Focus Area: Government Capacity to Address Sustainability

Strategy 28: *Invest in staff and other resources to coordinate and advance sustainability goals across state agencies and local governments.*

Focus Area: Green Government Operations

Strategy 30: *Incorporate sustainability into government operations.*

Focus Area: Clean Water

Strategy 31: *Improve water quality through reduced pollution and dumping.*

Discussion: The project supports the Hawai'i 2050 Sustainability Plan's strategies geared to meet the needs of the present without compromising the ability of future generations to meet their own needs. The project will improve an abandoned site that is currently occupied by informal residents.

Improvements will manage stormwater runoff, environmental conditions, and public safety in the greater Wahiawā neighborhood. Contractors will adhere to applicable provisions of the DOH Water Quality Standards (HAR Section 11-54) and Water Pollution Control Requirements (HAR Section 11-55) during the construction of the project.

The site will be utilized as a DOCARE substation for officers patrolling the Wahiawā and North Shore districts. The design of the substation may include installation of solar PV panels and energy efficient utilities to minimize GHG emissions and promote the use of renewable energy features. The project will strengthen DOCARE enforcement in the Wahiawā area thereby improving public safety.

5.7 O‘ahu General Plan

The O‘ahu General Plan (2021) is a statement of long-range socio-economic, environmental, and design objectives and policies to be achieved for the general prosperity and welfare for the people of the city and the most desirable population distribution and regional development pattern. It is intended to serve as a guide for all levels of government, private enterprise, neighborhood and citizen groups, organizations, and individual citizens (City and County of Honolulu Revised Charter 2000, Sec. 6-1508). It is further intended to guide land use and development decisions and to influence actions in 11 key subject areas: population; balanced economy; natural environment and resource stewardship; housing and communities; transportation and utilities; energy systems; physical development and urban design; public safety and community resilience; health and education; culture and recreation; and government operations and fiscal management.

The O‘ahu General Plan provides objectives and policies intended to guide and coordinate City land use planning and regulation, and budgeting for operations and capital improvements. The project is consistent with the following applicable objectives and policies of the General Plan as described in the following:

<u>Natural Environment and Resource Stewardship</u>

Objective A: To protect and preserve the natural environment.

- Policy 4: Require development projects to give due consideration to natural features such as slope, flood and erosion hazards, water-recharge areas, distinctive land forms, and existing vegetation as well as to plan for coastal hazards that threaten life and property.
- Policy 7: Protect the natural environment from damaging levels of air, water, and noise pollution.
- Policy 8: Protect plants, birds, and other animals that are unique to the State of Hawai‘i and the Island of O‘ahu.
- Policy 9: Increase tree canopy and ensure its integration into new developments, and protect significant trees on public and private lands.
- Policy 12: Plan, prepare for, and mitigate the impacts of climate change on the natural environment, including strategies of adaptation.

Objective B: To preserve and enhance natural landmarks and scenic views of O‘ahu for the benefit of both residents and visitors as well as future generations.

- Policy 3: Locate and design public facilities, infrastructure and utilities to minimize the obstruction of scenic views.

Discussion: The project supports the objectives and policies of the General Plan with regard to the natural environment and its resources. The project will improve an abandoned site that is currently occupied by informal residents. Improvements will manage stormwater runoff, environmental conditions, and public safety in the greater Wahiawā neighborhood.

The site will be utilized as a DOCARE substation for officers patrolling the Wahiawā and North Shore districts. The substation is designed to be compatible with the surrounding Wahiawā neighborhood and is consistent with the existing land use character. Existing views surrounding and nearby the site including Lake Wilson will continue to be maintained as open space. The substation may include installation of solar PV panels and energy efficient utilities to minimize GHG emissions and promote the use of renewable energy features. Landscaping will be comprised of Native Hawaiian and Polynesian introduced species found in the Wahiawā area. The substation will comply with building code standards articulated in ROH Chapter 16 to minimize damage from a natural hazard.

Physical Development and Urban Design

Objective A: To coordinate changes in the physical environment of O'ahu to ensure that all new developments are timely, well-designed, and appropriate for the areas in which they will be located.

- Policy 2: Coordinate the location and timing of new development with the availability of adequate water supply, sewage treatment, drainage, transportation, and other public facilities and services.
- Policy 8: Locate new industries and new commercial areas so that they will be well-related to their markets and suppliers, and to residential areas and transportation facilities.
- Policy 11: Implement siting and design solutions that seek to reduce exposure to natural hazards, including those related to climate change, flooding, and sea level rise.
- Policy 13: Promote opportunities for the community to participate meaningfully in planning and development processes, including new forms of communication and social media.

Objective B: To plan and prepare for the long-term physical impacts of climate change.

- Policy 1: Integrate climate change adaptation into the planning, design, and construction of all significant improvements to and development of the built environment.

Objective E: To maintain those development characteristics in the urban-fringe and rural areas which make them desirable places to live.

- Policy 1: Develop and maintain urban-fringe areas as predominantly residential areas characterized by generally lower-rise, lower-density development which may include significant levels of retail and service commercial uses as well as satellite institutional and public uses geared to serving the needs of households.
- Policy 4: Maintain rural areas that reflect an open and scenic setting, dominated by small to moderate size agricultural pursuits, with small towns of low-density and low-rise character, and which allows modest growth opportunities tailored to address area residents' future needs.

Objective F: To create and maintain attractive, meaningful, and stimulating environments throughout O'ahu.

- Policy 3: Require developments in stable, established communities and rural areas to be compatible with the existing communities and areas.

- Policy 5: Seek to protect residents' quality of life and to maintain the integrity of neighborhoods by strengthening regulatory and enforcement strategies that address the presence of inappropriate non-residential activities.
- Policy 6: Promote public and private programs to beautify the urban and rural environments.
- Policy 7: Design public structures to meet high aesthetic and functional standards and to complement the physical character of the communities they will serve.
- Policy 9: Recognize the importance of using Native Hawaiian plants in landscaping to further the traditional Hawaiian concept of *mālama 'āina* and to create a mores Hawaiian sense of place.

Objective G: To promote and enhance the social and physical character of O'ahu's older towns and neighborhoods.

- Policy 1: Encourage new construction in established areas to be compatible with the character and cultural values of the surrounding community.
- Policy 6: Support and encourage cohesive neighborhoods which foster interactions among neighbors, promote vibrant community life, and enhance livability.

Discussion: The project supports the objectives and policies of the General Plan with regard to physical development and urban design. The project will improve an abandoned site that is currently occupied by informal residents. Improvements will manage stormwater runoff, environmental conditions, and public safety in the greater Wahiawā neighborhood.

The project has been carefully planned and designed to seamlessly integrate into the surrounding Wahiawā neighborhood and the existing land use character. Existing utility services will be reused to service the substation and will not affect services in the greater Wahiawā area (*Section 3.9)*. The substation will comply with building code standards articulated in ROH Chapter 16 to minimize damage from a natural hazard. Landscaping will be comprised of Native Hawaiian and Polynesian introduced species found in the Wahiawā area. Locating the substation at the site will provide DOCARE officers patrolling Wahiawā and North Shore districts with a nearby facility thereby improving public safety within the community and greater State.

Public Safety and Community Resilience

Objective A: To prevent and control crime and maintain public order.

- Policy 1: Provide a safe environment for residents and visitors on O'ahu.
- Policy 4: Emphasize improvements to police and prosecution operations which will result in a higher proportion of wrongdoers who are arrested, convicted, and punished for their crimes.
- Policy 8: Seek the help of State and federal law-enforcement agencies to curtail the activities of organized crime syndicates on O'ahu.

Objective B: To protect residents and visitors and their property against natural disasters and other emergencies, traffic and fire hazards, and unsafe conditions.

- Policy 2: Require all developments in areas subject to flood and tsunamis, and coastal erosion to be located and constructed in a manner that will not create any health or safety hazards or cause harm to natural and public resources.
- Policy 5: Cooperate with State and federal agencies to provide protection from war, civil disruptions, pandemics, and other major disturbances.

Discussion: The project supports the objectives and policies of the General Plan with regard to public safety and community resilience. The project will improve an abandoned site that is currently occupied by informal residents. The site will be maintained by the State and dedicated to DOCARE. A substation will be constructed at the site to provide officers patrolling the Wahiawā and North Shore districts with a nearby facility. Locating a substation at this site will strengthen DOCARE enforcement in the Wahiawā and North Shore area and improve public safety for the community.

The project site is located in Wahiawā and is not anticipated to be directly impacted by coastal flooding. The DOCARE substation will comply with applicable building code standards identified in ROH Chapter 16 to minimize threats from natural hazards, including flooding.

Health and Education

Objective A: To protect the health and well-being of residents and visitors.

- Policy 2: Provide prompt and adequate ambulance and first-aid services in all areas of Oʻahu.
- Policy 3: Coordinate City health codes and other regulations with State and federal health codes to facilitate the enforcement of air-, water-, and noise-pollution controls.
- Policy 4: Integrate public health concerns such as air and water pollution as a consideration in land use planning decisions.

Discussion: The project supports the objectives and policies of the General Plan with regard to health and education. The project will provide DOCARE officers patrolling the Wahiawā and North Shore patrol districts with a substation located in Wahiawā. Locating a substation at this site will strengthen DOCARE enforcement in the Wahiawā and North Shore area and improve public safety for the community.

The project will improve an abandoned site that is currently occupied by informal residents. The substation has been carefully designed to seamlessly integrate into the surrounding Wahiawā neighborhood and the existing land use character. The project will address ongoing public health and safety concerns and maintain public safety within the community.

Culture and Recreation

Objective B: To foster the multiethnic culture of Hawaiʻi and respect the host culture of the Native Hawaiian people.

- Policy 2: Identify and, to the extent possible, preserve and restore buildings, sites, and areas of social, cultural, historic, architectural, and archaeological significance.

Discussion: The project supports the objectives and policies of the General Plan with regards to culture and recreation. With An LRFI, CIA, and Ka Paʻakai analysis were completed to identify and evaluate potential impacts to historic and cultural resources. The site does not contain significant historic cultural or archaeological practices, and the project will improve the site and address occupation by informal residents. The project is designed to be compatible with the surrounding Wahiawā neighborhood and is consistent with the existing land use character.

5.8 City and County of Honolulu Land Use Ordinance Guidelines

The purpose of the LUO is to regulate land use in a manner that will encourage orderly development in accordance with adopted land use policies, including the General Plan and development plans. The LUO is also intended to provide reasonable development and design standards. These standards are applicable to the location, height, bulk and size of structures, yard areas, off-street parking facilities, and open spaces, and the use of structures and land for agriculture, industry, business, residences or other purposes (Revised Ordinance for the City and County of Honolulu, Chapter 21).

The project site is located in the Community Business (B-2) and Residential (R-5) District (*Figure 1-3)*. The intent of the Community Business (B-2) District is to provide areas for community-wide business establishments, serving several neighborhoods, and offering a wider range of uses than the Neighborhood Business (B-1) District. The intent of the Residential (R-5) District is to provide areas for urban residential development.

Discussion: The DOCARE substation is considered a Government Public facility in the ROH Use Table (*Table 21-5.1)* which is a permitted use in the Community Business (B-2) and Residential (R-5) District. The DOCARE substation will comply with development standards for the respective zoning district.
The substation will provide DOCARE officers patrolling the Wahiawā and North Shore districts with a nearby facility. Locating a substation at this site will strengthen DOCARE enforcement in the Wahiawā and North Shore area and improve public safety for the community.

5.9 City and County of Honolulu Central O‘ahu Sustainable Communities Plan (2021)

The island of O‘ahu is divided into eight regional plan areas. Two areas are identified as “development plans” which provide guidance for future growth and development, while the other six areas (including Central O‘ahu) are addressed in “sustainable communities plans” in keeping with modest development patterns and rural characteristics. Each plan implements the objectives and policies of the General Plan and provides guidance on public policy, investment, and decision-making within each respective region. Together with the General Plan, they guide population and land use growth over a 20- to 25-year time span.

The project area is located in the region encompassed by the Central O‘ahu Sustainable Communities Plan (*Figure 1-4*). The Central O‘ahu Sustainable Communities Plan was adopted by Ordinance 21-6 on March 30, 2021. The Central O‘ahu Sustainable Communities Plan focuses on protecting agricultural lands, providing a variety of housing types in master planned communities to accommodate anticipated population growth, and promote new employment in existing commercial and industrial areas and new commercial areas to support residential communities.

The Central O‘ahu Sustainable Communities Plan recognizes the town of Wahiawā for its historic plantation town, support for Schofield Barracks, and as the boundary between the urban growth of Central O‘ahu and the broad vistas of the agricultural and rural areas of the North Shore. In 1998, the Council approved the Wahiawā Urban Design Plan. The plan was a community-based planning process comprised of various community businesses, organizations, and elected representatives. Its boundaries are shown in *Figure 5-1.* The project site is located in the Urban Design Plan’s Business District (*Figure 5-1),* applicable policies and guidelines in the Wahiawā Urban Design Plan and Business District are discussed below.

Wahiawā Town:

Policies

Maintain and Enhance Wahiawā's Plantation Heritage and Rural, Small Town Atmosphere

- Maintain the scale and feeling of Wahiawā as a small town. Wahiawā's plantation heritage and "county town" atmosphere give it a character that is not found in newer master planned communities.
- Preserve commercial and civic buildings and residential neighborhoods which reflect the town's plantation heritage and multi-cultural roots.

Enhance the Town Core as a Setting for Social, Civic, and Commercial Interactions

- Strengthen Wahiawā's civic center by consolidating public services, and encouraging the location of more social and community service organizations in the town.
- Maintain and enhance the character and role of Wahiawā's business area as a community shopping district and regional service center in order to encourage O'ahu residents and visitors to discover what Wahiawā has to offer.
- Provide adequate shoreline setbacks that consider shoreline changes resulting from erosion hazards and rising sea levels, based on adopted projections of shoreline erosion rates and sea level rise.

Guidelines – Business District

- Provide open space and landscaping to reinforce the historic character of Wahiawā.
- Encourage new commercial uses to in-fill on vacant and underutilized parcels within Wahiawā's existing business district. Avoid expansion of the district since it is not needed.
- Limit building heights in keeping with Wahiawā's small town scale. However, give some flexibility for public buildings, such as government offices and churches, in order to allow for designs that create symbols of identity for the community.

Guidelines – Open Space and Views

- Preserve and protect the natural scenic character of Lake Wilson and adjoining forested areas from alteration or encroachment of urban uses because they are vital elements of Wahiawā's "town in a forest" image.

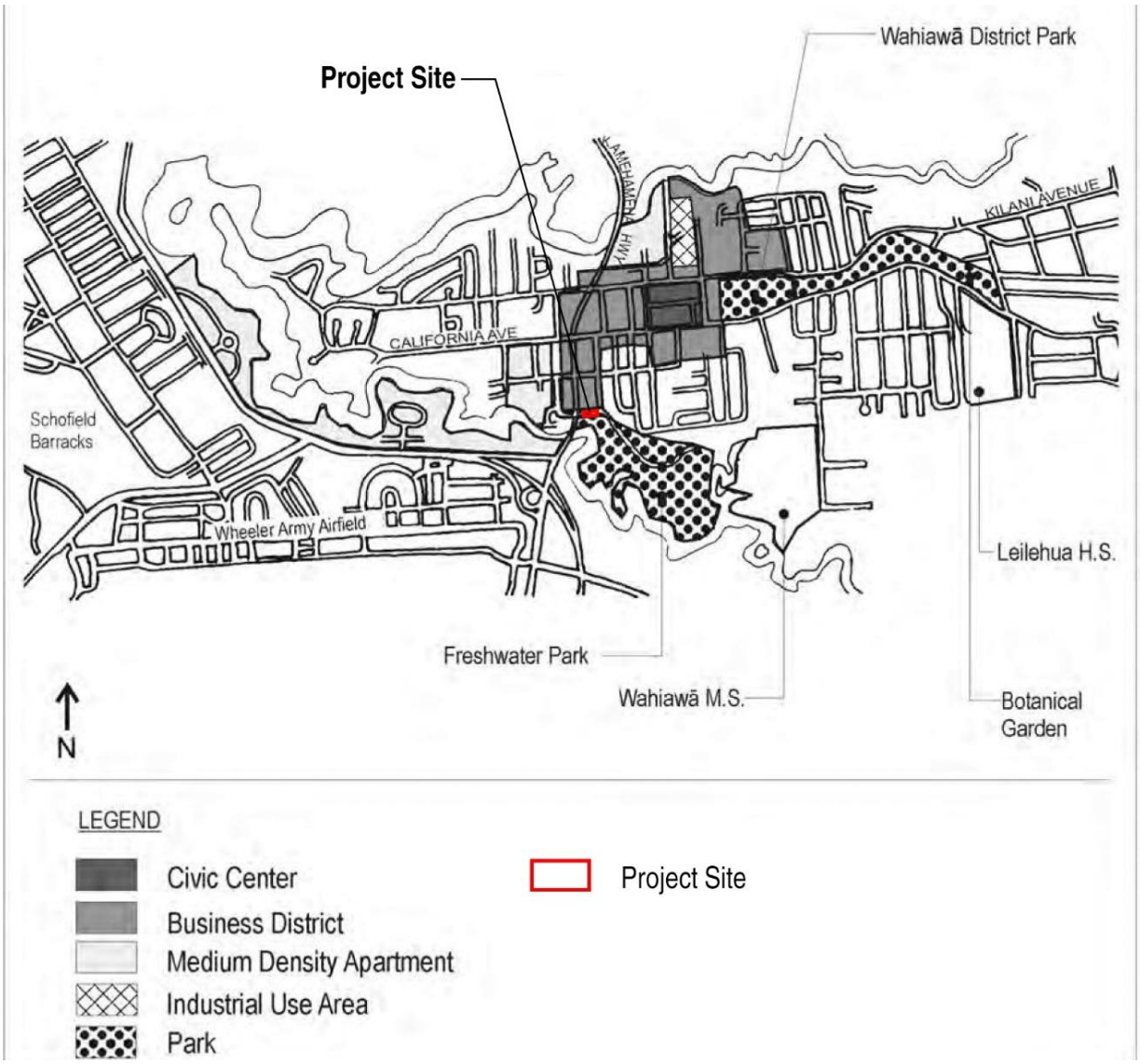


Figure 5-1 **Wahiawa Urban Design Plan**

Discussion: The project supports the policies and guidelines regarding related to the Wahiawā Urban Design Plan. The project will improve an abandoned site that is currently occupied by informal residents. The site will be maintained by the State for DOCARE as a substation for officers. The substation has been carefully designed to seamlessly integrate into the surrounding Wahiawā neighborhood and the existing land use character. The substation is designed in accordance with development standards for the Community Business (B-2) and Residential (R-5) District and will comply with development standards for the applicable district. Landscaping will be comprised of Native Hawaiian and Polynesian introduced species found in the Wahiawā area.

The project will improve views of Lake Wilson and adjoining forest areas by addressing ongoing issues of occupation by informal residents and trash that has accumulated on the property. The substation will provide DOCARE officers patrolling Wahiawā and North Shore districts with a nearby facility thereby improving public safety within the community and greater State.

Applicable policies and guidelines for Public Facilities and Infrastructure are further discussed below.

Public Safety Facilities

Policies:

- Provide adequate staffing and facilities to ensure public safety.
- Approve new development only if staffing and facilities will be adequate to provide fire and police protection and emergency medical services when development is completed.

Discussion: The project supports the policies for Public Safety Facilities in the Central O'ahu Sustainable Communities Plan. The project will improve an abandoned site that is currently occupied by informal residents. The site will be maintained by the State for DOCARE as a substation for officers. The substation will provide DOCARE officers patrolling Wahiawā and North Shore districts with a nearby facility thereby improving public safety within the community and greater State.

This page left blank intentionally.

Chapter 6

Findings Supporting the Anticipated Determination

Chapter 6

Findings Supporting the Anticipated Determination

6.1 Anticipated Determination

Based on a review of the significance criteria outlined in Chapter 343, HRS, and Chapter 11-200.1-13, HAR, the project has been determined to not result in significant adverse effects on the natural or human environment. A FONSI is anticipated to be issued.

6.2 Reasons Supporting the Anticipated Determination

The potential impacts of the project have been fully examined and discussed in this EA. As discussed throughout this EA, no significant environmental impacts are expected to result from the project. This determination is based on the assessments presented below for criterion (1) to (13).

(1) Involve an irrevocable loss or destruction of any natural or cultural resources.

The archaeological and cultural landscapes have been documented in studies conducted for the project area. With the potential to encounter iwi kūpuna during construction, an ALRFI has been conducted to identify archaeological resources. Due to the previous use of the site, archaeological resources were not identified, and the project is not anticipated to affect historic properties or significant artifacts or features. The ARFLI will be submitted to SHPD for review and concurrence pursuant to HRS 6E-8.

(2) Curtail the range of beneficial uses of the environment.

The project will not curtail the range of beneficial uses of the environment. The project site is currently abandoned and occupied by informal residents. The project will address ongoing issues of abandonment and safety concerns with informal occupation. The project will strengthen DOCARE enforcement in the Wahiawā area, and have beneficial impacts throughout the existing community.

(3) Conflict with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders.

The project does not conflict with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, HRS, and any revisions thereof and amendments thereto, court decisions, or executive orders.

(4) Substantially affects the economic or social welfare of the community or State.

The project will have beneficial impacts on the economic and social welfare of the community and the greater County and State. The project will generate economic benefits including employment opportunities and expenditures from the purchasing of goods and materials during the construction phase of the project. The project will address ongoing issues of abandonment and occupation of the site by informal residents. The project will strengthen DOCARE enforcement in the Wahiawā and North Shore districts, thereby improving safety throughout the community.

(5) Substantially affects public health.

The project is consistent with existing land uses and is not expected to affect public health. However, there will be temporary impacts to air quality from possible dust emissions and temporary degradation of the acoustic environment in the immediate vicinity resulting from construction equipment operations. The project will comply with State and County regulations during the construction period and BMPs will be implemented to minimize temporary impacts. The project will improve public health in the Wahiawā area by addressing ongoing issues of abandonment and occupation by informal residents at the project site.

(6) Involves substantial secondary impacts, such as population changes or effects on public facilities.

The project will provide a substation for DOCARE officers patrolling the Wahiawā and North Shore district. The project will improve public facilities in the Wahiawā area for DOCARE officers and strengthen enforcement which will have positive impacts throughout the community. The project is not anticipated to generate additional growth, and as such, is not anticipated to result in secondary impacts such as population changes.

(7) Involves a substantial degradation of environmental quality.

The project will not involve a substantial degradation of environmental quality. Long-term impacts to air and water quality, noise, and natural resources are not anticipated. The use of standard construction and erosion control BMPs will minimize the anticipated construction-related short-term impacts.

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

The project is not anticipated to result in cumulative impacts with past, present, and reasonably foreseeable projects in the greater Wahiawā area. The project will have beneficial impacts by addressing ongoing issues abandonment and occupation by informal residents. Moreover, the project will provide DOCARE officers patrolling the Wahiawā and North Shore district with a nearby facility to strengthen enforcement. The project has been carefully designed to seamlessly integrate into the existing neighborhood. The project is not part of a commitment for larger actions.

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

The project is not anticipated to affect rare, threatened, or endangered species or its habitat (*Section 3.6).* As noted by the USFWS, the endangered Hawaiian Hoary bat, endangered Hawaiian seabirds, endangered Hawaiian waterbirds, and endangered Hawksbill turtle may overfly or traverse near or on the project site. As outlined in *Section 3.6*, nighttime construction activity is not planned to avoid the

need for nighttime lighting which may disorient seabirds. With proper measures in place, the project is not anticipated to affect rare, threatened, or endangered species.

(10) *Detrimentally affects air or water quality or ambient noise levels.*

General temporary impacts associated with construction are identified in *Chapter 3* of this Draft EA. Mitigation measures outlined in this Draft EA will be implemented during the construction of the project. No detrimental long-term impacts to air, water, or acoustic quality are anticipated upon completion of construction.

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

The project site is located in Wahiawā and is not located in an environmentally sensitive area such as a flood plain, tsunami zone, or coastal area. A detailed analysis of natural hazards is located in *Section 3.5.* The DOCARE substation will be built in accordance with building code standards identified in ROH Chapter 16 and ROH Chapter 20 which adopts design measures from NFPA 1.

(12) Substantially affects scenic vistas and view-planes identified in county or state plans or studies.

The project will improve an existing site that is abandoned and occupied by informal residents. View of Lake Wilson and the adjoining forest area will be improved with the project. The DOCARE substation will comply with development standards for the Community Business (B-2) and Residential (R-5) District articulated in ROH Chapter 21.

(13) Require substantial energy consumption.

Construction of the project will not require substantial energy consumption relative to other similar sized projects. DLNR may consider installation of solar PV panels and energy efficient utilities to minimize GHG emissions and promote the use of renewable energy features.

6.3 Summary

Based on the above findings, further evaluation of the project's impacts through the preparation of an EIS is not warranted. The EA recommends mitigation measures to alleviate impacts when such impacts are identified. A FONSI is anticipated to be issued for this project.

The project is consistent with the Hawai'i State Land Use District Boundaries, the Hawai'i State Plan, the 2050 Sustainable Plan, the Hawai'i Coastal Zone Management Plan, the City's General Plan, the City's Zoning Ordinance, and Central O'ahu Sustainable Communities Plan. The project will have beneficial effects and address ongoing issues of abandonment and occupation of the site by informal residents. Furthermore, the project will strengthen DOCARE enforcement in the Wahiawā area, thereby improving public safety.

This page left blank intentionally.

Chapter 7

List of Agencies, Organizations and Individuals Receiving Copies of the EA

Chapter 7

List of Agencies, Organizations and Individuals Receiving Copies of the EA

Table 7-1: Agencies, Organizations and Individuals Receiving Copies of the EA			
Respondents and Distribution	**Receiving Early Consultation Letter**	**Comments Received**	**Receiving Draft EA Notification**
Federal Agencies			
U.S. Fish and Wildlife Service	X	X	X
State of Hawai'i Agencies			
Department of Business, Economic Development & Tourism (DBEDT), Office of Planning	X	X	X
Department of Health (DOH)	X	X	X
DOH, Hazard Evaluation and Emergency Response Office	X		X
DOH, Clean Air Branch	X		X
DOH, Clean Water Branch	X		X
DOH, Safe Drinking Water Branch	X		X
DOH, Solid and Hazardous Waste Branch	X		X
DOH, Surface Water Protection Branch	X		X
DOH, Wastewater Branch	X		X
Department of Land and Natural Resources (DLNR), Land Division	X		X
DLNR, Land Division	X		X
DLNR, Division of Forestry and Wildlife	X		X
DLNR, Commission on Water Resources Management	X		X
DLNR, DOCARE	X		X
DLNR, Engineering Division	X		X
DLNR, Land Division – O'ahu District	X		X
DLNR, State Historic Preservation Division	X		X

Table 7-1: Agencies, Organizations and Individuals Receiving Copies of the EA			
Respondents and Distribution	**Receiving Early Consultation Letter**	**Comments Received**	**Receiving Draft EA Notification**
DLNR, State Parks	X		X
DLNR, Office of Conservation and Coastal Lands	X		X
Department of Transportation, Highways Division	X		X
City and County of Honolulu Agencies			
Office of the Mayor	X		X
Board of Water Supply	X		X
Department of Planning and Permitting	X	X	X
Department of Transportation Services	X		X
Fire Department	X	X	X
Police Department	X	X	X
Wahiawā-Whitmore Neighborhood Board No. 26	X		X
Elected Officials			
Senator Donovan Dela Cruz – State Senate District 17	X		X
Representative Amy A. Perruso – State House District 46	X		X
Council Member Matt Weyer – Honolulu City Council District 2	X		X
Individuals			
Adjacent Neighbors	X		X
Hui Sun and Min Ho Yang	X		X
The Church of Jesus Christ of Latter-day Saints	X		X
Donal and Linda Naruse	X		X
Alya Holding Limited Liability Company	X		X
Dole Food Company	X		X
Keoni Ahlo		X	X

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
Comments	**Commenter and Date of Comment Letter**	**Responses**
Project Description		
On-site Structures: The DEA should describe all existing structures on the site. If any existing structures are proposed to remain in place, the DEA should describe their compliance with the LUO. Proposed Structures and Improvements: The DEA should describe all proposed structures and improvements for the site, and describe their compliance with the LUO. The DEA should also identify any other permits that are required, such as Waivers or Conditional Use Permits, for the Project.	DPP, September 30, 2025	A description of the existing conditions at the site is located in *Section 2.2.* The property owner recently obtained an emergency demolition permit for the structure located on the western portion of the site and completed the demolition. The structure on the eastern portion of the site is the last remaining structure associated with the former commercial auto shop business. The project will address neglect and use of the site and provide DOCARE officers patrolling the Wahiawā and North Shore district with a nearby substation. A detailed description of the substation is provided in *Section 2.4.* The substation has been carefully designed to seamlessly integrate into the existing Wahiawā Neighborhood and comply with the applicable development standards for the B-2 Community Business and the R-5 Residential District. An analysis of compliance with development standards for the B-2 Community Business and the R-5 Residential District is provided in *Section 5.8* A list of anticipated required permits and approvals is provided in *Table 1-1.*
Zoning		
Regulatory Boundaries: The Project site is a portion of a 9,288 (-sq.) -foot (-ft.) lot and located in the B-2 Community Business and R-5 Residential Districts. It also appears to be in the State Land Use Urban District. The DEA should clearly show and delineate districts, structures, and access to the site. The DEA should provide discussion on the matter.	DPP; September 30, 2025	Maps depicting the State Land Use District Boundary and County Zoning designation of the project site are provided in *Chapter 1.* The site is located in the State Land Use Urban District and is split zoned as County B-2 Community Business and R-5 Residential District. A description of the existing conditions at the site is located in *Section 2.2.* The property owner recently obtained an emergency demolition permit for the structure located on the western portion of the site and completed the demolition. The structure on the eastern portion of the site is the last remaining structure associated with the former commercial auto shop business. Access to the site is provided via Avocado Street. Existing conditions depicting access to the site are shown in *Figures 2-1 and 2-2.*

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
Land Use Ordinance: Based on a review of our records, the Project Site consists of a 9,288-sq.-ft. lot located in the B-2 Community Business and R-5 Residential Districts. The Project must comply with the development standards applicable to the B-2 Community Business and R-5 Residential Districts. Project compliance with these standards should be presented in the DEA, and will be confirmed during the review of future building permits. The LUO is available on our website at: https://www4.honolulu.gov/docushared/dsweb/Get/Document-353043/2025%20CURRENT%20luo%20oRD%2025-2.pdf	DPP; September 30, 2025	Thank you for providing guidance on the applicable development standards for the B-2 Community Business and R-5 Residential District. The project's compliance with development standards for the B-2 Community Business and R-5 Residential District is provided in *Section 5.8.* The Applicant notes that compliance with development standards will be confirmed upon review of building permits.
Traffic and Circulation		
The HPD would also like to ensure that the flow of traffic is adequately monitored and controlled during the construction phase of the project.	HPD, September 25, 2025	Construction will be carefully planned to minimize delays and congestion in the surrounding Wahiawā neighborhood. As noted in Section 2.5, trucks delivering construction materials and disposing of waste will be scheduled Monday through Friday during off-peak hours throughout the day to ensure traffic flow is not adversely affected. Traffic will be monitored to ensure the movement of construction vehicles, equipment, and deliveries do not adversely affect the current flow of traffic. Should construction activity require the temporary closure of any traffic land, sidewalk, bicycle lane, or pedestrian mall, a street usage permit will be obtained from DTS.
Avocado Street Sidewalk. The O'ahu Pedestrian Plan (2022) identifies section of Avocado Street fronting the Project property as part of the Pedestrian Priority Network and future Project work shall include construction of a sidewalk fronting the Project property.	DTS; October 24, 2025	The Applicant recognizes that the project site is located along Avocado Street which is located in the Pedestrian Priority Network in the O'ahu Pedestrian Plan. DLNR will consult with DTS on future pedestrian improvements along the property frontage of Avocado Street as the entire length of Avocado Street is located within the Pedestrian Priority Network. Section 3.10 provides a detailed analysis of traffic and accessibility.

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
Transportation Impact Assessment (TIA). The applicant should perform a TIA to examine the vehicle, pedestrian, bicycle, and public transit safety, stress, and comfort levels at the nearby intersections and driveways with corresponding improvements to mitigate these impacts by applying Complete Street principles. The applicant shall discuss the future year growth rate, trip distribution, mode split, and route assignment assumptions used in the TIA. The Applicant shall submit all native files (e.g., Synchro, Excel, etc.) for the raw multi-modal counts (in the format specified at https://geocounts.com/api/format/ and the example file at https://bit.ly/DTS-count-sample) and accompanying analyses to the Department of Transportation Services Regional Planning Branch (RPB) at dtsplanningdiv@honolulu.gov. Please refer to the Department of Transportation Services (DTS) TIA Guide for multimodal assessment tools and recommended analyses. The TIA Guide can be found at http://www4.honolulu.gov/docushare/dsweb/view/collection-7723.	DTS; October 24, 2025	As part of this EA, a Transportation Assessment was completed in November 2025 and is attached in Appendix F. The Transportation Assessment was prepared to identify existing conditions, and potential impacts the project may have on the existing transportation network in the Wahiawā area. The project is not anticipated to affect pedestrian, bicycle, or transit mobility in the Wahiawā area. Details of the Transportation Assessment are provided in Section 3.10. The Applicant will consult with the DTS Regional Planning Branch and coordinate data and information as required.
Street Usage Permit. A street usage permit from the DTS should be obtained for any construction-related work that may require the temporary closure of any traffic lane, sidewalk, bicycle lane, or pedestrian mall on a City street.	DTS; October 24, 2025	As noted in Section 2.5, traffic will be monitored to ensure the movement of construction vehicles, equipment, and deliveries do not adversely affect the current flow of traffic. Should construction activity require the temporary closure of any traffic land, sidewalk, bicycle lane, or pedestrian mall, a street usage permit will be obtained from DTS.
Neighborhood Impacts. The area representatives, neighborhood board, as well as the area guests, businesses, emergency personnel (fire, ambulance, and police), Oahu Transit Services, Inc. (TheBus and TheHandi-Van), etc., should be kept apprised of the details and status throughout the project and the impacts that the project may have on the adjoining local street area network.	DTS; October 24, 2025	As part of the EA process, the area representatives, neighborhood board, and public services and facilities will be kept apprised of the status of the project.
Disability and Communication Access Board (DCAB). Project plans (vehicular and pedestrian circulation, sidewalks, parking and pedestrian pathways, vehicular ingress/egress, etc.) should be reviewed and approved by DCAB to ensure full compliance with Americans with Disabilities Act requirements.	DTS; October 24, 2025	As noted in Section 5.1, the DOCARE substation will be designed and constructed to meet ADA standards and applicable building standards articulated in ROH Chapter 16. Project plans will be submitted to DCAB to ensure the substation meets ADA design standards.
Biological Resources		
The Pacific Island Fish and Wildlife Office has transitioned to the use of the Information for Planning and Consultation online portal, https://ipac.ecosphere.fws.gov/, for federal action agencies and non-federal	USFWS; September 16, 2025	Thank you for providing guidance to obtain an official species list using the IPaC online tool. As suggested, the official species list for the project area was obtained and is located in *Appendix B. Section*

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
agencies or individuals to obtain official species lists, including threatened and endangered species and designated critical habitat in your project area. Using IPaC expedites the process for species list distribution and takes minimal time to complete. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change the species list. Verification can be completed by visiting the IPaC website at regular intervals during project planning and implementation and refreshing your initial species list. We hope this process provides efficiencies to our partners in obtaining a species list.		*3.6* identifies the threatened and endangered species that may be located on, overfly, or traverse through the project site. The project is not anticipated to negatively impact threatened or endangered species that may be located on, overfly, or traverse through the project site. Should endangered or threatened species be identified at the project site, appropriate measures described in *Section 3.6* will be adhered to. The Applicant will continue to consult with the USFWS as part of the HRS, Chapter 343 environmental review procedures to ensure the protection of threatened and endangered species.
Natural Hazards		
Flood and Hazard Zones: The DEA should identify any natural hazards the site is subject to, and identify and discuss compliance with relevant regulations.	DPP; September 30, 2025	Potential impacts from Natural Hazards is discussed in *Section 3.5.* The project site is located in Flood Zone D which is not considered a SFHA (*Figure 1-5)*. The DOCARE substation will be built in accordance with applicable building code standards identified in ROH Chapter 16.
Air Quality		
If the project has the potential to generate fugitive dust, you must reasonably control the generation of all airborne, visible fugitive dust. Note that construction activities that occur near existing residences, businesses, public areas and major thoroughfares exacerbate potential dust concerns. It is recommended that a dust control management plan be developed which identifies and mitigates all activities that may generate airborne, visible fugitive dust. The Plan, which does not require Department of Health approval, should help you recognize and minimize potential airborne, visible fugitive dust problems. Construction activities must comply with the provisions of Hawaii Administrative Rules, §11-60.1-33 on Fugitive Dust. In addition, for cases involving mixed land use, it is strongly recommended that buffer zones be established, wherever possible, in order to alleviate potential dust concerns. You must provide reasonable measures to control airborne, visible fugitive dust from the road areas and during the various phases of construction. These measures include, but are not limited to the following:	DOH, CAB, September 17, 2025	Thank you for providing guidance to control fugitive dust. To minimize dust generation from construction related activity, a dust control program will be implemented. Fugitive dust emission will also be controlled through mitigation measures such as watering active work areas, using wind screens, keeping adjacent paved roads clean, covering open-bodied trucks and limiting the area to be disturbed at any given time. Details to minimize dust are discussed in Section 3.7.

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
• Planning the different phases of construction, focusing on minimizing the amount of airborne, visible fugitive dust-generating materials and activities, centralizing on-site vehicular traffic routes, and locating potential dust-generating equipment in areas of the least impact; • Providing an adequate water source at the site prior to the start-up of construction activities; • Landscaping and providing rapid covering of bare areas, including slopes, starting from the initial grading phase; • Minimizing airborne, visible fugitive dust from shoulders and access roads; • Providing reasonable dust control measures during weekends, after hours, and prior to daily start-up of construction activities; and • Controlling airborne, visible fugitive dust from debris being hauled away from the project site.		
Surface Waters & Drainage		
You may be required to obtain a National Pollutant Discharge Elimination System (NPDES) permit coverage for point source pollutant discharges into State surface waters (HAR, Chapter 11-55). Point source means any discernible confined, and discrete conveyance from which pollutants are or may be discharged. Some of the activities requiring NPDES permit coverage include, but, are not limited to: b. Discharges to State surface waters from construction activity hydrotesting or dewatering.	DOH, CWB, September 17, 2025	Thank you for providing guidance on the State Water Code and the NPDES permit guidance. BMPs will be implemented during the short-term construction period to minimize stormwater runoff to the Wahiawā State Recreational Park. BMPs may include but are not limited to, phasing construction activities, replacing ground cover of disturbed areas, providing adequate water sources at the site, and the use of temporary silt fencing and screens. An NPDES permit may be obtained during the building permit review process, if required. The project will address the existing occupation and use of the site by informal residents. Improvements to the site will reduce stormwater runoff and protect water quality at the nearby Wahiawā State Recreational Park.
Infrastructure & Utilities		
As the project will be served by the City & County of Honolulu/County/Private sewer system, we have no objections to the project. Per HAR, Ch. 11-62 section 11-62-05, all areas of the State are critical wastewater disposal areas. All wastewater systems must conform to applicable provisions of HAR, Ch. 11-62. We do reserve the right to review the detailed wastewater plans for conformance to applicable rules. Design plans should address any effect associated with the construction of and/or discharges from	DOH, WWB, September 17, 2025	As part of this EA, a sewer connection application was completed, and approved by the Wastewater Branch. The sewer application is located in Appendix C. Existing wastewater laterals may be reused to service the DOCARE substation and will be confirmed during the final design. The Applicant will continue to consult with the Wastewater Branch as the design progresses and building permits are filed.

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
the wastewater systems to any public trust, Native Hawaiian resources or the exercise of traditional practices.		
Hazardous Materials		
1. A Phase I Environmental Site Assessment and Phase II Site Investigations should be conducted for development or redevelopment projects wherever current or former activities on site may have resulted in releases of hazardous substances, including oil or chemicals. Areas of concern include current and former industrial areas, harbors, airports, and formerly and currently zoned agricultural lands used for growing sugar, pineapple, or other agricultural products. 2. To identify HEER Office records related to the property, visit our online map-based iHEER site at https://health.hawaii.gov/heer to search by location and select sites of interest directly from the map or through search options. Most HEER Office public records are directly downloadable from iHEER, many Navy and other Department of Defense facilities are not displayed in iHEER at this time. To request records from sites that are not posted in iHEER, visit https://health.hawaii.gov/heer/submit-documents-to-heer/public-record-request/ . Military records may also be requested directly from the Department of Defense at foiaonline.gov. 3. If the site has a history of previous release of hazardous substances, which includes oil or chemicals, we recommend that the applicant contact the HEER Office for guidance and direction prior to the approval of the land use change or permit approval. 4. If the investigation shows that a release of hazardous substance, which includes oil or chemicals, may have occurred, the site should be properly characterized through an approved HEER Sampling and Analysis Plan (SAP) as described in the HEER Office Technical Guidance Manual (TGM) / https://www.hawaiidoh.org/	DOH; HEER, September 17, 2025	As part of this Draft EA, a Phase I ESA was conducted and is located in Appendix C. The Phase I ESA includes a review of records from the HEER Office to identify sites within or nearby the project site. Identified sites listed in the HEER Office records are listed in the Phase I ESA in Appendix C. Results from the Phase I ESA are summarized in Section 3.3. The Phase I ESA revealed that the site contains environmental conditions that are indicative of a release. Due to the potential for release, the Phase II ESA with site investigations will be conducted to further investigate identified findings and measures to mitigate environmental conditions at the property. Consultation with HEER will be conducted as appropriate.
The state regulations for hazardous waste and used oil are in Chapters 11-260.1 to 11-279.1, HAR [https://health.hawaii.gov/shwb/hazwaste/hwrules/]. These rules apply to the identification, handling, transportation, storage and disposal of regulated hazardous waste and used oil. Generators, transporters and treatment, storage, and disposal facilities of hazardous waste and used oil must adhere to	DOH, SHWB, September 17, 2025	As part of this EA, a Hazardous Materials Assessment was conducted and is attached in Appendix C. The Hazardous Materials Assessment found that the existing structures were constructed using ACM, lead-based paint, and fluorescent lighting containing PCBs and Mercury. Canec was not identified, but was known to be utilized in building materials between the 1930s and 1960s, and is presumed to be present within existing structures. Due to the likely

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
these requirements. Violations are subject to penalties under chapter 342J, HRS.		presence of hazardous materials, trained technicians will remove hazardous material, as necessary, in accordance with the OSHA standards. Details relating to the handling of hazardous materials are provided in Section 3.3.
If your proposed project includes construction, demolition, or renovation activities that involve potential asbestos and lead containing materials, please contact the Indoor and Radiological Health Branch at (808) 586-4700 or visit: https://health.hawaii.gov/irhb/	DOH, CAB, September 17, 2025	As discussed above, a Hazardous Materials Assessment was conducted and found ACM and lead-based paint in existing structures on the site. Hazardous material will be treated in accordance with the OSHA standards. The Indoor and Radiological Health Branch will be consulted with, as necessary for the handling of ACM and lead containing material. Details relating to the handling of hazardous materials are provided in Section 3.3
Public Facilities and Services		
Generators of solid waste are required to ensure that their waste is properly delivered to permitted solid waste management facilities. Managers of construction and demolition projects should require their waste contractors to submit disposal receipts and invoices to ensure proper disposal of waste.	HPD; October 26, 2023	Thank you for providing guidance to treat solid waste and construction related waste. Limited construction waste will be generated over the short-term construction buildout and will be transported to the Wahiawa Convenience Center or Wahiawa Collection Yard for proper disposal. Upon completion of the DOCARE Substation, the project site will continue to receive solid waste collection services from the City and County of Honolulu. Details of solid waste management are discussed in Section 3.12.6.
Plans and Policies		
OPSD anticipates that the Draft EA will discuss the Proposed Action with respect to the policies and objectives in Hawaii Revised Statutes (HRS) Chapters 205A and 226, the Coastal Zone Management Act and Hawaii State Planning Act, respectively. As the 2050 Sustainability Plan was prepared to guide the attainment of sustainability and resilience goals and objectives for the State contained in HRS Chapter 226, OPSD recommends the Draft EA generally discuss the technologies and best practices and other mitigation measures for the Proposed Action that would advance implementation of the Recommended Actions in the 2021-2030 Focus Areas on pages 100-107 of the Hawaii 2050 Sustainability Plan.	OPSD; October 10, 2025	Details of the project's consistency with HRS Chapter 226, the Hawaii State Planning Act and Chapter 205A, the Coastal Zone Management Act is provided in Section 5.4 and Section 5.5 Consistency with the Hawaii 2050 Sustainability Plan, specifically related to implementation of the Recommended Actions in the 2021-2030 Focus Areas is provided in Section 5.6.
Long-term Planning Policies and Objectives: The DEA should address the proposed Project's consistency with the relevant policies of the Oahu General Plan and the Central O'ahu Sustainable Communities Plan.	DPP; September 30, 2025	Consistency with the relevant policies of the Oahu General Plan and Central O'ahu Sustainable Communities Plan is provided in Section 5.7 and Section 5.9.

Table 7-2: Draft EA Early Consultation Summary of Comments and Responses		
Other		
Violations: The DEA should note any violations on the property and discuss the disposition of the violations.	DPP, September 30, 2025	A list of violations is located in *Appendix B* and noted in *Section 2.2.*
The Honolulu Fire Department reviewed the submitted information and has no comment at this time.	HFD, September 23, 2025	The Applicant acknowledges this comment from HFD and will continue to coordinate with HFD throughout the environmental review process.
The Honolulu Police Department (HPD) recommends working with the area Neighborhood Board to convey the state's intent to use the site to support DLNR's Division of Conservation and Resources Enforcement in the Wahiawā and North Shore areas to help pacify concerns within the community of unsheltered persons occupying the area.	HPD, September 25, 2025	The Applicant will continue to coordinate efforts with the Wahiawā Neighborhood Board to address ongoing community concerns with the abandonment and occupation of the site by informal residents.
I am writing as a member of the Wahiawā community to express my full support for the State's acquisition of the abandoned property identified as TMK (1) 7-4-001:025. This property has been a longstanding issue in our community for more than a decade. Despite countless attempts by residents to reach the owner and seek resolution, the site has remained abandoned, poorly managed and increasingly unsafe. It has become a dumping ground and a location occupied by informal residents, raising ongoing concerns about health, safety, and the general well-being of Wahiawā. I strongly support the State's efforts to condemn and acquire this parcel so it can be repurposed for the benefit of the community. Transferring the property to DLNR DOCARE for the Wahiawā Substation will not only eliminate the current nuisance conditions but will also bring much-needed enforcement presence and the stability to the area. Properly managed facilities at this location would serve the community far better than the neglected state we have endured for too long. Please consider this letter as part of the early consultation record in support of the Draft Environmental Assessment for this project. Mahalo for your efforts to move this initiative forward for Wahiawā.	Keoni and Nahoku Ahlo, September 22, 2025	Mahalo for the support of this project. This comment letter has been included as part of the record of early consultation for the Draft EA and is attached in *Appendix A.* The Applicant will continue to provide notification of the Draft EA and Final EA/FONSI as part of the environmental review process.

Chapter 8

List of References

Chapter 8

List of References

City and County of Honolulu, Climate Change Commission. 2022. Sea Level Rise II – Guidance Document. Accessed online: https://static1.squarespace.com/static/5e3885654a153a6ef84e6c9c/t/62f46b3fff589f651af14410/1660185409937/HonoluluClimateChangeCommission-SeaLevelRiseGuidance_Updated-July2022.pdf

City and County of Honolulu, Department of Environmental Services. Curbside Collection/Schedules. Accessed online: https://opala.hnl.info/refuse_collection/#?lat=21.493128208207494&long=-158.02796324623188

City and County of Honolulu, Department of Planning and Permitting. 2013. *O'ahu General Plan* (Public Review Draft). Accessed online: http://honoluludpp.org/Portals/0/pdfs/planning/generalplan/PubRevDraft_Part1_Nov2012.pdf

City and County of Honolulu, Department of Planning and Permitting. 2021. Central O'ahu Sustainable Communities Plan. Accessed online: https://www.honolulu.gov/dpp/wp-content/uploads/sites/56/2024/07/CentralOahuSCP_2021.pdf

Element Environmental. 2025. *Phase I Environmental Site Assessment 525 Avocado Street.*

Element Environmental. 2025. *Draft Report Limited Hazardous Materials Survey.*

Fehr & Peers. 2025. *DOCARE Wahiawā Substation: Transportation Assessment.*

Giambelluca, T.W., Q. Chen, A.G. Frazier, J.P. Price, Y.-L. Chen, P.-S. Chu, J.K. Eischeid, and D.M. Delparte, 2013: Online Rainfall Atlas of Hawai'i. *Bull. Amer. Meteor. Soc.* 94, 313-316, doi: 10.1175/BAMS-D-11-00228.1.

Giambelluca, T.W., X. Shuai, M.L. Barnes, R.J. Alliss, R.J. Longman, T. Miura, Q. Chen, A.G. Frazier, R.G. Mudd, L. Cuo, and A.D. Businger. 2014. Evapotranspiration of Hawai'i. Final report submitted to the U.S. Army Corps of Engineers—Honolulu District, and the Commission on Water Resource Management, State of Hawai'i.

Hawai'i Sea Level Rise Vulnerability and Adaptation Report 2022 Update. 2022. Prepared by State of Hawai'i Department of Land and Natural Resources, Office of Conservation and Coastal Lands,.

Hawai'i Climate Change Mitigation and Adaptation Commission. 2021. *State of Hawai'i Sea Level Rise Viewer*. Version 1.12. Prepared by the Pacific Islands Ocean Observing System (PacIOOS) for the University of Hawai'i Sea Grant College Program and the State of Hawai'i Department of Land and Natural Resources, Office of Conservation and Coastal Lands, with funding from National Oceanic and Atmospheric Administration Office for Coastal Management Award No. NA16NOS4730016 and under the State of Hawai'i Department of Land and Natural Resources Contract No. 64064. http://hawaiisealevelriseviewer.org.

Hawai‘i Wildfire Management Organization. 2018. *Wildfire in Hawaii Factsheet.*

Hawaii Wildfire Management Organization. Building for Wildfire Resilience in Hawai‘i. Accessed online: https://www.hwmo.org/build-wildfire-safe

Honolulu Police Department. *District 2 – Mililani, Wahiawa, North Shore.* Accessed online: https://www.honolulupd.org/d2/

Honua Consulting. 2025. *Draft Archaeological Literature Review and Field Inspection for the Department of Conservation and Resource Enforcement Wahiawā Substation.*

Honua Consulting. 2025. *Draft Cultural Impact Assessment Report for the Proposed Department of Conservation and Resource Enforcement Wahiawā Substation.*

National Oceanic and Atmospheric Administration. *Climate Change: Global Sea Level.* Accessed online: https://www.climate.gov/news-features/understanding-climate/climate-change-global-sea-level

National Oceanic and Atmospheric Administration. 2022. *Global and Regional Sea Level Rise Scenarios for the United States.* Accessed online: https://aambpublicoceanservice.blob.core.windows.net/oceanserviceprod/hazards/sealevelrise/noaa-nos-techrpt01-global-regional-SLR-scenarios-US.pdf

Ryan J. Longman, Mathew P. Lucas, Jared Mclean, Sean Cleveland, Keri Kodama, Abby G. Frazier, Katie Kamelamela, Aimee Schriber, Michael Dodge, Gwen Jacobs, Thomas W. Giambelluca. 2024. “Hawai‘i Climate Data Portal (HCDP).” Bulletin of the American Meteorological Society.

State of Hawai‘i, Department of Education. 2024. *School Finder.* Accessed online: https://www.hawaiipublicschools.org/ParentsAndStudents/EnrollingInSchool/SchoolFinder/Pages/home.aspx

State of Hawai‘i, Department of Health. 2023. *Annual Summary 2022 Air Quality Data.*

State of Hawai‘i, Department of Land and Natural Resources, Office of Conservation and Coastal Lands. *Hawai‘i Sea Level Rise Vulnerability Adaptation Report, 2022 Update.* Accessed online: https://dlnr.hawaii.gov/occl/files/2024/08/OCCL23-Sea-Level-Rise-Report-FY22-1.pdf

Sweet, W.V., B.D. Hamlington, R.E. Kopp, C.P. Weaver, P.L. Barnard, D. Bekaert, W. Brooks, M. Craghan, G. Dusek, T. Frederikse, G. Garner, A.S. Genz, J.P. Krasting, E. Larour, D. Marcy, J.J. Marra, J. Obeysekera, M. Osler, M. Pendleton, D. Roman, L. Schmied, W. Veatch, K.D. White, and C. Zuzak, 2022: Global and Regional Sea Level Rise Scenarios for the United States: Updated Mean Projections and Extreme Water Level Probabilities Along U.S. Coastlines. NOAA Technical Report NOS 01. National Oceanic and Atmospheric Administration, National Ocean Service, Silver Spring, MD, 111 pp. https://oceanservice.noaa.gov/hazards/sealevelrise/noaa-nostechrpt01-global-regional-SLR-scenariosUS.pdf

University of Hawai‘i at Mānoa Sea Grant College Program. June 2014. *Climate Change Impacts in Hawai‘i - A summary of climate change and its impacts to Hawai‘i’s ecosystems and communities.*

United States Census Bureau. 2023. *Census Tract 93.02.* Accessed online: https://data.census.gov/table/ACSDP5Y2023.DP03?g=040XX00US15,15003_050XX00US15003_1400000US15003009302&d=ACS+5-Year+Estimates+Data+Profiles

United State, Department of Agriculture. Natural Resources Conservation Science. Web soil survey. Access online: https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

United States, Department of Homeland Security, Federal Emergency Management Agency. Seismic Design Categories for Default Site Conditions for Hawaii. Accessed online: https://www.fema.gov/sites/default/files/2020-07/fema_hazard_maps_hawaii-map_graphic.jpg

United States Fish & Wildlife Service. Hawaiian waterbirds. Accessed online: https://ipac.ecosphere.fws.gov/project/A6UJQIFLU5ERDER6P5NA246RLE/documents/generated/6934.pdf

This page left blank intentionally.

Appendices

Appendix A

Early Consultation Comments

Kira Ramos

From: Browning, Joy <joy_browning@fws.gov>
Sent: Tuesday, September 16, 2025 2:10 PM
To: 224085-01 DOCARE Wahiawa Substation
Subject: DEA DLNR DOCARE Wahiawa Substation

Follow Up Flag: Follow up
Flag Status: Flagged

Aloha Tracy,

The Pacific Island Fish and Wildlife Office (PIFWO) has transitioned to the use of the Information for Planning and Consultation (IPaC) online portal, https://ipac.ecosphere.fws.gov/, for federal action agencies and non-federal agencies or individuals to obtain official species lists, including threatened and endangered species and designated critical habitat in your project area. Using IPaC expedites the process for species list distribution and takes minimal time to complete.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change the species list. Verification can be completed by visiting the IPaC website at regular intervals during project planning and implementation and refreshing your initial species list. We hope this process provides efficiencies to our partners in obtaining a species list.

Additional assistance may be requested at pifwo_admin@fws.gov.

Sincerely,

Joy Hiromasa Browning

Fish and Wildlife Biologist

Pacific Islands Fish and Wildlife Office

U.S. Fish and Wildlife Service

300 Ala Moana Blvd., Rm 3-122

Honolulu, Hawaii 96850

Kira Ramos

From: Seto, Joanna <joanna.seto@doh.hawaii.gov>
Sent: Wednesday, September 17, 2025 10:45 AM
To: 224085-01 DOCARE Wahiawa Substation
Cc: DOH.EMD
Subject: Early Consultation DEA DLNR DOCARE Wahiawa Substation

Follow Up Flag: Follow up
Flag Status: Completed

Aloha,

For Standard Comments and Records Requests, please see the EPO Land Use Planning Review webpage at https://health.hawaii.gov/epo/landuse/ and contact the appropriate Environmental Health Administration branches and offices directly.

A comprehensive contact list is available at
https://health.hawaii.gov/epo/files/2024/08/DOHEHALandUseContactList_20240827.pdf

Mahalo!
Environmental Management Division
Hawai'i State Department of Health | Ka 'Oihana Olakino
Hale Ola | 2827 Waimano Home Road, Room 234 | Pearl City, HI 96782-1487
Office: (808) 586-4304

CONFIDENTIALITY NOTICE: This mail message (and attachments) is for the sole use of the intended recipient(s). It may contain confidential and/or privileged information. It might also be protected from disclosure under the Hawaii Uniform Information Practice Act (UIPA) or other laws and regulations. Review, use, disclosure, or distribution by unintended recipients is prohibited. If you are not the intended recipient, please contact the sender immediately in a separate e-mail and destroy the original message and any copies.

DAVID Y. IGE
GOVERNOR OF HAWAII

ELIZABETH A. CHAR, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File:

Hazard Evaluation & Emergency Response (HEER) Office
Standard Comments
August 2, 2021

1. A Phase I Environmental Site Assessment (ESA) and Phase II Site Investigation should be conducted for development or redevelopment projects wherever current or former activities on site may have resulted in releases of hazardous substances, including oil or chemicals. Areas of concern include current and former industrial areas, harbors, airports, and formerly and currently zoned agricultural lands used for growing sugar, pineapple or other agricultural products.

2. To identify HEER Office records related to the property, visit our online map-based iHEER site at https://health.hawaii.gov/heer/ to search by location and select sites of interest directly from the map or through search options. Most HEER Office public records are directly downloadable from iHEER, many Navy and other Department of Defense facilities are not displayed in iHEER at this time. To request records from sites that are not posted in iHEER, visit https://health.hawaii.gov/heer/submit-documents-to-heer/public-record-request/ . Military records may also be requested directly from the Department of Defense at foiaonline.gov.

3. If the site has a history of previous releases of hazardous substances, which includes oil or chemicals, we recommend that the applicant contact the HEER Office for guidance and direction prior to the approval of the land use change or permit approval.

4. If the investigation shows that a release of hazardous substance, which includes oil or chemicals, may have occurred, the site should be properly characterized through an approved HEER Sampling and Analysis Plan (SAP) as described in the HEER Office Technical Guidance Manual (TGM) / http://www.hawaiidoh.org/.

5. If the site is found to be contaminated above HEER Office Environmental Action Levels (EALs) appropriate for current and anticipated land use (https://health.hawaii.gov/heer/guidance/ehe-and-eals/), then "removal" and/or "remedial" actions to address the contamination must be prepared and submitted for review in accordance with Hawaii Revised Statutes Chapter 128D - Environmental Response Law; Hawaii Administrative Rules (HAR) Title 11, Chapter 451 - State Contingency Plan; and the HEER Office TGM.

6. All lands formerly in the production of sugarcane or pineapple must be characterized in accordance with the HEER Office TGM. Refer to Section 9.1 for a list of default pesticides associated with past production of these crops. Note that former pesticide mixing and storage areas should be identified and tested separately. These areas also require testing for an extended list of pesticides and related contaminants. Refer also to Soil Arsenic Guidance and Information at https://health.hawaii.gov/heer/guidance/specific-topics/arsenic.

6. If previously unreported contamination is detected during the course of the investigation above the HEER Office EALs, notify the HEER Office immediately as the administrative contact for the HSERC (808) 586-4249 (7:45am – 4:30pm Monday to Friday) or (808) 236-8200 (after hours which includes weekends, holidays and after 4:30 weekdays) and the Local Emergency Planning Committee for your County. and visit https://health.hawaii.gov/heer/how-to-report-a-release-spill/.

7. The facility may be subject to Tier II reporting. Visit https://health.hawaii.gov/heer/about-heer/organization/hepcra/hepcra-right-to-know-compliance/ and https://health.hawaii.gov/heer/submit-documents-to-heer/submit-a-hepcra-tier-ii-report/ for more information.

JOSH GREEN, M.D.
GOVERNOR OF HAWAI'I
KE KIA'ĀINA O KA MOKU'ĀINA 'O HAWAI'I

KENNETH S. FINK, MD, MGA, MPH
DIRECTOR OF HEALTH
KA LUNA HO'OKELE

STATE OF HAWAI'I
DEPARTMENT OF HEALTH
KA 'OIHANA OLAKINO
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File:

07016CMHK.23

July 28, 2023

MEMORANDUM

SUBJECT: Clean Water Branch Standard Project Comments

TO: Agencies and Project Owners

FROM: DARRYL LUM, P.E., CHIEF
Clean Water Branch

This memo is provided for your information and sharing. You are encouraged to share this memo with your project partners, team members, and appropriate personnel.

The Department of Health (DOH), Clean Water Branch (CWB) will no longer be responding directly to requests for comments on the following documents (Pre-consultation, Early Consultation, Preparation Notice, Draft, Final, Addendums, and/or Supplements):

- Environmental Impact Statements (EIS)
- Environmental Assessments (EA)
- Stream Channel Alteration Permits (SCAP)
- Stream Diversion Works Permits (SDWP)
- Well Construction/Pump Installation Permits
- Conservation District Use Applications (CDUA)
- Special Management Area Permits (SMAP)
- Shoreline Setback Areas (SSA)

For agencies or project owners requiring DOH-CWB comments for one or more of these documents, please utilize the DOH-CWB Standard Comments below regarding your project's responsibilities to maintain water quality and any necessary permitting. DOH-CWB Standard Comments are also available on the DOH-CWB website located at: http://health.hawaii.gov/cwb/.

DOH-CWB Standard Comments

The following information is for agencies and/or project owners who are seeking comments regarding environmental compliance for their projects with the Hawaii Administrative Rules (HAR), Chapters 11-53, 11-54 and 11-55. You may be responsible for fulfilling additional requirements related to our program.

1. Any project and its potential impacts to State waters must meet the following criteria:

   a. Antidegradation policy (HAR, Section 11-54-1.1), which requires that the existing uses and the level of water quality necessary to protect the existing uses of the receiving State water be maintained and protected.

   b. Designated uses (HAR, Section 11-54-3), as determined by the classification of the receiving State waters.

   c. Water quality criteria (HAR, Sections 11-54-4 through 11-54-8).

2. You may be required to obtain National Pollutant Discharge Elimination System (NPDES) permit coverage for point source water pollutant discharges into State surface waters (HAR, Chapter 11-55). Point source means any discernible, confined, and discrete conveyance from which pollutants are or may be discharged.

   For NPDES general permit coverage, a Notice of Intent (NOI) form must be submitted at least 30 calendar days before the commencement of the discharge. An application for a NPDES individual permit must be submitted at least 180 calendar days before the commencement of the discharge. To request NPDES permit coverage, you must submit the applicable form ("CWB Individual NPDES Form" or "CWB NOI Form") through the e-Permitting Portal and the hard copy certification statement with the respective filing fee ($1,000 for an individual NPDES permit or $500 for a Notice of General Permit Coverage). Please open the e-Permitting Portal website located at: https://eha-cloud.doh.hawaii.gov/epermit/. You will be asked to do a one-time registration to obtain your login and password. After you register, click on the Application Finder tool and locate the appropriate form. Follow the instructions to complete and submit the form.

   The DOH, Environmental Health Administration (EHA) e-Permitting Portal received Cross-Media Electronic Reporting Rule (CROMERR) certification by the Environmental Protection Agency (EPA) for electronic signature. Currently, Applicants and Permittees may now certify and submit EHA Electronic Signature Forms electronically through the EHA e-Permitting Portal without the need to physically send in an ink signature and CD/DVD/flash drive.

Beginning January 31, 2023, the DOH-CWB will only utilize electronic signature e-Permitting forms and discontinue the hard-copy signature forms. All hard-copy signature certification e-Permitting forms, including compliance forms, will be inactivated.

The electronic signature forms will require electronic signature approval to submit a form to the CWB. For details on how to obtain the electronic signature approval please visit CWB website located at: https://health.hawaii.gov/cwb/announcements/cwb-announces-new-requirement-for-electronic-signature-approval-for-all-submissions-beginning-january-31-2023/.

The NPDES NOI or application will be processed after the filing fees submitted and payable to the "State of Hawaii" in the form of a pre-printed check, cashier's check, money order, or as otherwise specified by the director is received by the CWB.

Some of the activities requiring NPDES permit coverage include, but, are not limited to:

a. Discharges of Storm Water.

   i. For Construction Activities Disturbing One (1) or More Acres of Total Land Area.

      By HAR Chapter 11-55, an NPDES permit is required before the start of the construction activities that result in the disturbance of one (1) or more acres of total land area, including clearing, grading, and excavation. The total land area includes a contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under a larger common plan of development or sale.

   ii. For Industrial Activities for facilities with primary Standard Industrial Classification (SIC) Codes regulated in the Code of Federal Regulations (CFR) at 40 CFR 122.26(b)(14)(i) through (ix) and (xi). If a facility has more than one SIC code, the activity that generates the greatest revenue is the primary SIC code. If revenue information is unavailable, use the SIC code for the activity with the most employees. If employee information is also unavailable, use the SIC code for the activity with the greatest production.

   iii. From a small Municipal Separate Storm Sewer System (along with certain non-storm water discharges).

b. Discharges to State surface waters from construction activity hydrotesting or dewatering.

c. Discharges to State surface waters from cooling water applications.

d. Discharges to State surface waters from the application of pesticides (including insecticides, herbicides, fungicides, rodenticides, and various other substances to control pest) to State waters.

e. Well-Drilling Activities.

Any discharge to State surface waters of treated process wastewater effluent associated with well drilling activities is regulated by HAR Chapter 11-55. Discharges of treated process wastewater effluent (including well drilling slurries, lubricating fluids wastewater, and well purge wastewater) to State surface waters requires NPDES permit coverage.

NPDES permit coverage is not required for well pump testing. For well pump testing, the discharger shall take all measures necessary to prevent the discharge of pollutants from entering State waters. Such measures shall include, if necessary, containment of initial discharge until the discharge is essentially free of pollutants. If the discharge is entering a stream or river bed, best management practices (BMPs) shall be implemented to prevent the discharge from disturbing the clarity of the receiving water. If the discharge is entering a storm drain, the discharger must obtain written permission from the owner of the storm drain prior to discharge. Furthermore, BMPs shall be implemented to prevent the discharge from collecting sediments and other pollutants prior to entering the storm drain.

3. A Section 401 Water Quality Certification (WQC) may be required if your project/activity:

a. Requires a federal license or permit; and

b. May result in a discharge into waters of the United States (WOTUS).

"License or permit" means any permit, certificate, approval, registration, charter, membership, statutory exemption, or other form of permission granted by an agency of the federal government to conduct any activity which may result in any discharge.

The term "discharge" is defined in Clean Water Act, Subsections 502(16), 502(12), and 502(6).

Examples of "discharge" include, but are not limited to, allowing the following pollutants to enter WOTUS from the surface, or in-water: solid waste, rock/sand/dirt, heat, sewage, construction debris, any underwater work, chemicals, fugitive dust/spray paint, agricultural wastes, biological materials, industrial wastes, concrete/sealant/epoxy, and washing/cleaning effluent.

Determine if your project/activity requires a federal permit, license, certificate, approval, registration, or statutory exemption by contacting the appropriate federal agencies (e.g. Department of the Army (DA), U.S. Army Corps of Engineers (COE), Pacific Ocean Division Honolulu District Office (POH) Tel: (808) 835-4303; U.S. Environmental Protection Agency, Region 9 Tel: (415) 947-8021; Federal Energy Regulatory Commission Tel: (866) 208-3372; U.S. Coast Guard Office of Bridge Programs Tel: (202) 372-1511). If your project involves work in, over, or under waters of the United States, it is highly recommended that you contact the COE-POH regarding their DA permitting requirements.

To request an individual Section 401 WQC, you must complete and submit the Section 401 WQC application together with $1,000 filing fee made payable to the "State of Hawaii" in the form of a check or other method specified by the department. This application is available on the e-Permitting Portal website located at: https://eha-cloud.doh.hawaii.gov/epermit/.

The processing of a Section 401 WQC application will begin after the CWB has received filing fee. The processing of a Section 401 WQC application is also subject to the compliance with 40 CFR §121 requirements.

Beginning January 31, 2023, the DOH-CWB will only utilize electronic signature e-Permitting forms and discontinue the hard-copy signature forms. All hard-copy signature certification e-Permitting forms, including compliance forms, will be inactivated.

The electronic signature forms will require electronic signature approval to submit a form to the CWB. For details on how to obtain the electronic signature approval please visit CWB website located at: https://health.hawaii.gov/cwb/announcements/cwb-announces-new-requirement-for-electronic-signature-approval-for-all-submissions-beginning-january-31-2023/.

Please see HAR, Chapters 11-53 and 11-54 for the State's Water Quality Standards and for more information on the Section 401 WQC. HAR, Chapters 11-53 and 11-54 are available on the CWB website at: http://health.hawaii.gov/cwb/.

4. Please note that all discharges related to the project construction or operation activities, whether or not NPDES permit coverage and/or Section 401 WQC are required, must comply with the State's Water Quality Standards. Noncompliance with water quality requirements contained in HAR, Chapters 11-53 and 11-54, and/or permitting requirements, specified in HAR, Chapter 11-55, may be subject to penalties of $25,000 per day per violation and up to two (2) years in jail.

5. It is the State's position that all projects must reduce, reuse, and recycle to protect, restore, and sustain water quality and beneficial uses of State waters. Project planning should:

   a. Treat storm water as a resource to be protected by integrating it into project planning and permitting. Storm water has long been recognized as a source of irrigation that will not deplete potable water resources. What is often overlooked is that storm water recharges ground water supplies and feeds streams and estuaries; to ensure that these water cycles are not disrupted, storm water cannot be relegated as a waste product of impervious surfaces. Any project planning must recognize storm water as an asset that sustains and protects natural ecosystems and traditional beneficial uses of State waters, like community beautification, beach going, swimming, and fishing. The approaches necessary to do so, including low impact development methods or ecological bio-engineering of drainage ways must be identified in the planning stages to allow designers opportunity to include those approaches up front, prior to seeking zoning, construction, or building permits.

   b. Clearly articulate the State's position on water quality and the beneficial uses of State waters. The plan should include statements regarding the implementation of methods to conserve natural resources (e.g. minimizing potable water for irrigation, gray water re-use options, energy conservation through smart design) and improve water quality.

   c. Consider storm water Best Management Practice (BMP) approaches that minimize the use of potable water for irrigation through storm water storage and reuse, percolate storm water to recharge groundwater to revitalize natural hydrology, and treat storm water which is to be discharged.

d. Consider the use of green building practices, such as pervious pavement and landscaping with native vegetation, to improve water quality by reducing excessive runoff and the need for excessive fertilization, respectively.

e. Identify opportunities for retrofitting or bio-engineering existing storm water infrastructure to restore ecological function while maintaining, or even enhancing, hydraulic capacity. Consideration should be given to areas prone to flooding, or where the infrastructure is aged and will need to be rehabilitated.

Solid and Hazardous Waste Branch
Standard Comments

October 11, 2024

The Solid and Hazardous Waste Branch administers programs in the areas of:

1) Management of hazardous waste;
2) Management of solid waste; and
3) Regulation of underground storage tanks.

Our general comments on projects are below. For further information about these programs, please contact the Solid and Hazardous Waste Branch at (808) 586-4226. All chapters of the Hawaii Revised Statutes (HRS) are at https://www.capitol.hawaii.gov/hrscurrent/.

Hazardous Waste Program

- The state regulations for hazardous waste and used oil are in chapters 11-260.1 to 11-279.1, Hawaii Administrative Rules (HAR) [https://health.hawaii.gov/shwb/hazwaste/hwrules/]. These rules apply to the identification, handling, transportation, storage and disposal of regulated hazardous waste and used oil. Generators, transporters and treatment, storage, and disposal facilities of hazardous waste and used oil must adhere to these requirements. Violations are subject to penalties under chapter 342J, HRS.

Solid Waste Section

- The Solid Waste Section (SWS) enforces laws and regulations contained in chapters 342H and 342I, HRS, and chapter 11-58.1, HAR, "Solid Waste Management Control" [http://health.hawaii.gov/shwb/solid-waste/].

- The purpose of the rules is to establish minimum standards governing the design, construction, installation, operation, and maintenance of solid waste disposal, recycling, reclamation and transfer systems.

- All facilities that accept solid wastes are required to obtain a solid waste management permit from the SWS. Examples of the types of facilities governed by these regulations include landfills, transfer stations and convenience centers, recycling facilities, composting facilities, and salvage facilities. Medical waste, infectious waste, and foreign waste treatment facilities are also included.

- Generators of solid waste are required to ensure that their wastes are properly delivered to permitted solid waste management facilities. Managers of construction and demolition projects should require their waste contractors to submit disposal receipts and invoices to ensure proper disposal of wastes.

Solid and Hazardous Waste Branch Standard Comments

Office of Solid Waste Management

- The Office of Solid Waste Management (OSWM) administers statewide integrated solid waste management planning activities, which apply to the counties, as well as various recycling programs, e.g. the Glass Advance Disposal Fee (ADF) and Deposit Beverage Container (DBC) Programs. Management of the DBC Program is conducted pursuant to chapter 342G, HRS, which contains compliance and enforcement provisions, and chapter 11-282, HAR, "Deposit Beverage Recycling" [http://health.hawaii.gov/hi5/rules-regulations-additional-links/]. OSWM is also responsible for limited enforcement and compliance of solid waste management facilities that operate primarily as certified DBC redemption centers pursuant to chapter 342H, HRS, and chapter 11-58.1, HAR, "Solid Waste Management Control" [http://health.hawaii.gov/shwb/solid-waste/]. Authority for the integrated solid waste management planning and ADF programs is contained in chapter 342G, HRS.

- Glass Advance Disposal Fee Program: Businesses that import glass containers into Hawaii are required to register with the Department of Health and pay a 1.5 cent per container fee. Fee revenue is distributed to the counties for the operation of glass recycling programs.

- Deposit Beverage Container Program: Business that manufacture or import deposit beverage containers into Hawaii are required to register with the Department of Health and pay the five cent deposit and one cent container fee on each deposit container. Deposits and fees are deposited into a special fund and are used to reimburse DBC redemption center refunds paid to consumers; and to pay handling fees to redemption/recycling companies to process and recycle collected deposit beverage containers; and to pay program administrative costs.

- The Department of Health reimburses and pays an associated handling fee for the redemption of deposit beverage containers (DBC). These transactions are conducted only with certified redemption centers. Certification requires obtaining a solid waste management permit from the SWS (which addresses environmental issues) and a certification from the DBC program (which standardizes the redemption process).

- Chapter 342G, HRS, encourages the reduction of waste generation, reuse of discarded materials, and the recycling of solid waste. Businesses, property managers and developers, and government entities are highly encouraged to develop solid waste management plans to ensure proper handling of wastes and divert recyclables from being landfilled.

- Solid waste management plans seek to maximize waste diversion and minimize disposal. Such plans should include designated areas to promote the collection of reusable and recyclable materials.

Underground Storage Tank Program

- The state's underground storage tank (UST) regulations, found in chapter 11-280.1, HAR [http://health.hawaii.gov/shwb/underground-storage-tanks/], include specific requirements that UST owners and operators must meet when installing, operating, and permanently closing their UST systems and addressing releases from USTs. Violations are subject to penalties under chapter 11-280.1, HAR, and chapter 342L, HRS.

- A permit is required prior to the installation and operation of a UST. Any new UST system that will be installed must have secondary containment with interstitial monitoring. Refer to subchapters 2, 3, 4, and 12 of chapter 11-280.1, HAR. The installation permit expires 1 year from the date of issuance. The operation permit expires 5 years from the date of issuance.

- §11-280.1-50, HAR, requires owners and operators of USTs or tank systems to notify DOH within twenty-four (24) hours and follow the procedures in §11-280.1-52, HAR, if any of the following occur, with specific exceptions found in the rules:
  1) The discovery by any person of evidence of regulated substances which may have been released at the UST site or in the surrounding area (such as the presence of free product or vapors in soils, basements, sewer and utility lines, or nearby surface water);
  2) Unusual UST system operating conditions observed or experienced (such as the erratic behavior of product dispensing equipment, the sudden loss of product from the UST, or an unexplained presence of water in the tank); or
  3) Monitoring results from a release detection method required under §§11-280.1-41 or 11-280.1-42 indicate a release may have occurred.

- For release response actions, responsible parties and their consultants and contractors should not only follow the applicable regulations, but also the Department of Health Hazard Evaluation Emergency (HEER) Office Technical Guidance Manual, HEER Environmental Action Level (EAL) guidance, and other guidance documents on the DOH HEER Office website [https://health.hawaii.gov/heer/], including those pertaining to Multi-Increment Sampling of soil, low flow groundwater sampling, soil vapor sampling, and Environmental Hazard Evaluations (EHE)/Environmental Hazard Management Plans (EHMP).

Standard Comments for Land Use Reviews
Clean Air Branch
Hawaii State Department of Health
July 3, 2024

All project activities shall comply with Hawaii Administrative Rules (HAR), Chapter 11-59 and 11-60.1.

If your proposed project:

Requires an Air Pollution Control Permit

- You must obtain an air pollution control permit from the Clean Air Branch and comply with all applicable conditions and requirements. If you do not know if you need an air pollution control permit, please contact the Permitting Section of the Clean Air Branch.
- Permit application forms can be found here: https://health.hawaii.gov/cab/permit-application- forms/

Has the potential to generate fugitive dust

- You must reasonably control the generation of all airborne, visible fugitive dust. Note that construction activities that occur near existing residences, businesses, public areas and major thoroughfares exacerbate potential dust concerns. It is recommended that a dust control management plan be developed which identifies and mitigates all activities that may generate airborne, visible fugitive dust. The plan, which does *not* require Department of Health approval, should help you recognize and minimize potential airborne, visible fugitive dust problems.
- Construction activities must comply with the provisions of Hawaii Administrative Rules, §11- 60.1-33 on Fugitive Dust. In addition, for cases involving mixed land use, it is strongly recommended that buffer zones be established, wherever possible, in order to alleviate potential dust concerns.
- You must provide reasonable measures to control airborne, visible fugitive dust from the road areas and during the various phases of construction. These measures include, but are not limited to, the following:
    - Planning the different phases of construction, focusing on minimizing the amount of airborne, visible fugitive dust-generating materials and activities, centralizing on-site vehicular traffic routes, and locating potential dust-generating equipment in areas of the least impact;
    - Providing an adequate water source at the site prior to start-up of construction activities;
    - Landscaping and providing rapid covering of bare areas, including slopes, starting from the initial grading phase;
    - Minimizing airborne, visible fugitive dust from shoulders and access roads;
    - Providing reasonable dust control measures during weekends, after hours, and prior to daily start-up of construction activities; and
    - Controlling airborne, visible fugitive dust from debris being hauled away from the project site.
- If you have questions about fugitive dust, please contact the Enforcement Section of the Clean Air Branch. Please also see fugitive dust fact sheet at: https://health.hawaii.gov/cab/files/2024/02/Hawaii-Fugitive-Dust-Fact-Sheet-February-2024.pdf.

Includes construction, demolition, or renovation activities that involve potential asbestos and lead containing materials

- Please contact the Indoor and Radiological Health Branch at (808) 586-4700 or visit: https://health.hawaii.gov/irhb/

Increases the population and potential number of vehicles in an area

- The creation of apartment buildings, complexes, and residential communities may increase the overall population in an area. Increasing the population in an area may inadvertently lead to more air pollution via vehicle exhaust. Vehicle exhaust releases pollutants in the air that can negatively impact human health and air quality, including lung irritants, carcinogens, and greenhouse gases.
- Ensure that drivers keep vehicle idling times to three (3) minutes or less.
- Consider and incorporate support for alternative transportation options such as bike racks and/or electric vehicle charging stations where possible.

If you have any questions, please contact the Clean Air Branch at (808) 586-4200 or at cab@doh.hawaii.gov.

JOSH GREEN, M.D.
GOVERNOR OF HAWAI'I
KE KIA'ĀINA O KA MOKU'ĀINA 'O HAWAI'I

KENNETH S. FINK, MD, MGA, MPH
DIRECTOR OF HEALTH
KA LUNA HO'OKELE

STATE OF HAWAI'I
DEPARTMENT OF HEALTH
KA 'OIHANA OLAKINO
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File:

December 26, 2024

MEMORANDUM

SUBJECT: Wastewater Branch Standard Project Comments

TO: Agencies and Project Owners

FROM: JONATHAN NAGATO, P.E., CHIEF
Wastewater Branch

This memo is provided for your information and sharing. You are encouraged to share this memo with your project partners, team members, and appropriate personnel.

The Department of Health (DOH), Wastewater Branch (WWB) will no longer be responding directly to requests for comments on the following documents (Pre-consultation, Early Consultation, Preparation Notice, Draft, Final, Addendums, and/or Supplements), including but not limited to:

- Environmental Impact Statements (EIS)
- Environmental Assessments (EA)
- Conservation District Use Applications (CDUA)
- Special Management Area Permits (SMAP)
- Special Use Permit
- Shoreline Setback Areas (SSA)

For agencies or project owners requiring DOH-WWB comments for one or more of these documents, please utilize the DOH-WWB Standard Comments below regarding your project's responsibilities to maintain proper treatment and disposal of wastewater and any necessary permitting. DOH-WWB Standard Comments are also available on the DOH-WWB website located at: http://health.hawaii.gov/wastewater/.

DOH-WWB Standard Comments

The following information is for agencies and/or project owners who are seeking comments regarding environmental compliance for their projects with the Hawaii Administrative Rules (HAR), Chapter 11-62. You may be responsible for fulfilling additional requirements related to our program such as Board of Water Supply's pass and no-pass zones, Safe Drinking Water Branch's underground injection control program, etc.

1. As the project will be served by the City & County of Honolulu/ County/ Private sewer system, we have no objections to the project.

2. Per HAR, Ch. 11-62 section 11-62-05, all areas of the State are critical wastewater disposal areas. All wastewater systems must conform to applicable provisions of HAR, Ch. 11-62. We do reserve the right to review the detailed wastewater plans for conformance to applicable rules. Design plans should address any effect associated with the construction of and/or discharges from the wastewater systems to any public trust, Native Hawaiian resources or the exercise of traditional cultural practices.

3. Large Capacity Cesspools (LCC):

   In 1999, EPA promulgated regulations under the Safe Drinking Water Act's Underground Injection Control (UIC) Program required closure of all existing large capacity cesspools (LCC) by April 5, 2005. Under federal regulations, a large capacity cesspool is a cesspool which serves multiple residential units, serves a mixed use of a residential and non-residential activity, or for nonresidential facilities has the potential to serve 20 or more persons per day. Operation of a large capacity cesspool after this date is a violation of federal regulations and subject to enforcement and fines. If you have any questions about LCC, please contact the Region 9 LLC Coordinator at r9_lcc_coordinator@epa.gov.

STATE OF HAWAIʻI
OFFICE OF PLANNING
& SUSTAINABLE DEVELOPMENT

JOSH GREEN, M.D.
GOVERNOR

SYLVIA LUKE
LT. GOVERNOR

MARY ALICE EVANS
DIRECTOR

235 South Beretania Street, 6th Floor, Honolulu, Hawaiʻi 96813
Mailing Address: P.O. Box 2359, Honolulu, Hawaiʻi 96804

Telephone: (808) 587-2846
Fax: (808) 587-2824
Web: https://planning.hawaii.gov/

Coastal Zone Management Program

Environmental Review Program

Land Use Commission

Land Use Division

Special Plans Branch

State Transit-Oriented Development

Statewide Geographic Information System

Statewide Sustainability Branch

DTS 202509151618NA
Transmitted via email

October 1, 2025

Ms. Tracy Camuso
Group 70 International, Inc.
111 S. King St. Suite 170
Honolulu, Hawaii 96813-4307

Dear Ms. Camuso:

Subject: Early Consult for a Draft Environmental Assessment
Department of Land and Natural Resources Wahiawa Substation
Wahiawa, Oahu, Hawaii
TMK: (1) 7-4-001:025

The Office of Planning and Sustainable Development (OPSD) received the Environmental Assessment Early Consultation letter requesting comments for the preparation of a Draft Environmental Assessment (EA) for the acquisition of an abandoned site by the Wahiawa Substation.

OPSD anticipates that the Draft EA will discuss the Proposed Action with respect to the policies and objectives in Hawaii Revised Statutes (HRS) Chapters 205A and 226, the Coastal Zone Management and Hawaii State Planning Act, respectively. As the 2050 Sustainability Plan was prepared to guide the attainment of sustainability and resilience goals and objectives for the State contained in HRS Chapter 226, OPSD recommends the Draft EA generally discuss the technologies and best practices and other mitigation measures for the Proposed Action that would advance implementation of the Recommended Actions in the 2021-2030 Focus Areas on pages 100-107 of the *Hawai'i 2050 Sustainability Plan*.

We look forward to reviewing the environmental assessment for the project. If you have any questions regarding this comment letter, please contact Seiji Ogawa, Land Use Division, Seiji.ogawa@hawaii.gov or (808) 587-2898.

Mahalo,

Mary Alice Evans

Mary Alice Evans
Director

DEPARTMENT OF PLANNING AND PERMITTING
KA 'OIHANA HO'OLĀLĀ A ME NĀ PALAPALA 'AE
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAI'I 96813
PHONE: (808) 768-8000 • FAX: (808) 768-6041 • WEBSITE: honolulu.gov/dpp

RICK BLANGIARDI
MAYOR
MEIA

DAWN TAKEUCHI APUNA
DIRECTOR
PO'O

BRYAN GALLAGHER, P.E.
DEPUTY DIRECTOR
HOPE PO'O

REGINA MALEPEAI
2ND DEPUTY DIRECTOR
HOPE PO'O KUALUA

September 30, 2025

GEN-2025-171 (GT)

Ms. Tracy Camuso
G70
111 South King Street, Suite 170
Honolulu, Hawai'i 96813

Dear Ms. Camuso:

SUBJECT: Request for Early Consultation for Draft Environmental Assessment
DOCARE Wahiawā Substation Project
525 Avocado Street – Wahiawā
Tax Map Key 7-4-001: 025

This is in response to your letter, received September 16, 2025, requesting early consultation for the preparation of a Draft Environmental Assessment (DEA), as required under Hawai'i Revised Statutes (HRS) Chapter 343 for the Division of Conservation and Resource Enforcement (DOCARE) Wahiawā Substation (Project). The following items should be addressed in the DEA:

1. Regulatory Boundaries: The Project site is a portion of a 9,288-square (-sq.) -foot (-ft.) lot and located in the B-2 Community Business and R-5 Residential Districts. It also appears to be in the State Land Use Urban District. The DEA should clearly show and delineate the districts, structures, and access to the site. The DEA should provide discussion on the matter.

2. Long-term Planning Policies and Objectives: The DEA should address the proposed Project's consistency with the relevant policies of the Oahu General Plan and the Central O'ahu Sustainable Communities Plan.

3. Land Use Ordinance (LUO): Based on a review of our records, the Project site consists of a 9,288-sq.-ft. lot located in the B-2 Community Business and R-5 Residential Districts. The Project must comply with the development standards applicable to the B-2 Community Business and R-5 Residential Districts. Project compliance with these standards should be presented in the DEA, and

will be confirmed during the review of future building permits. The LUO is available on our website at:

https://www4.honolulu.gov/docushare/dsweb/Get/Document-353043/2025%20CURRENT%20LUO%20Ord%2025-2.pdf

Violations: The DEA should note any violations on the property and discuss the disposition of the violations.

On-site Structures: The DEA should describe all existing structures on the site. If any existing structures are proposed to remain in place, the DEA should describe their compliance with the LUO.

Proposed Structures and Improvements: The DEA should describe all proposed structures and improvements for the site, and describe their compliance with the LUO. The DEA should also identify any other permits that are required, such a Waivers or Conditional Use Permits, for the Project.

4. Flood and Hazard Zones: The DEA should identify any natural hazards the site is subject to, and identify and discuss compliance with the relevant regulations.

Thank you for the opportunity to comment on this proposal. We look forward to reviewing and providing additional comments on the Draft EA. Should you have questions, please contact Gerald Toyomura, of our Urban Design Branch, at (808) 768-8056 or email at gtoyomura@honolulu.gov.

Very truly yours,

for Dawn Takeuchi Apuna
Director

HONOLULU FIRE DEPARTMENT
KA ʻOIHANA KINAI AHI O HONOLULU
CITY AND COUNTY OF HONOLULU

636 SOUTH STREET • HONOLULU, HAWAIʻI 96813
PHONE: (808) 723-7139 • FAX: (808) 723-7111 • WEBSITE: honolulu.gov

RICK BLANGIARDI
MAYOR
MEIA

SHELDON K. HAO
FIRE CHIEF
LUNA NUI KINAI AHI

JASON SAMALA
DEPUTY FIRE CHIEF
HOPE LUNA NUI KINAI AHI

RECEIVED
SEP 25 2025
G70

September 23, 2025

Ms. Tracy Camuso, AICP, Principal
Group 70 International, Inc.
111 South King Street, Suite 170
Honolulu, Hawaiʻi 96813-4307

Dear Ms. Camuso:

Subject: Early Consultation for Chapter 343, Hawaiʻi Revised Statutes
Draft Environmental Assessment
State of Hawaiʻi, Department of Land and Natural Resources
Division of Conservation and Resource Enforcement
Wahiawā Substation
Tax Map Key: 7-4-001: 025

In response to your letter received on September 16, 2025, regarding the abovementioned subject, the Honolulu Fire Department reviewed the submitted information and has no comment at this time.

Should you have questions, please contact Battalion Chief Pao-Chi Hwang of our Fire Prevention Bureau at 808-723-7151 or hfdfpb1@honolulu.gov.

Sincerely,

REID YOSHIDA
Assistant Chief

RY/MD:sk

HONOLULU POLICE DEPARTMENT
KA 'OIHANA MĀKA'I O HONOLULU
CITY AND COUNTY OF HONOLULU
801 SOUTH BERETANIA STREET • HONOLULU, HAWAI'I 96813
TELEPHONE: (808) 529-3111 • WEBSITE: www.honolulupd.org

RICK BLANGIARDI
MAYOR
MEIA

RADE K. VANIC
INTERIM CHIEF
KAHU MĀKA'I KŪIKAWĀ

AARON TAKASAKI-YOUNG
RYAN T. NISHIBUN
INTERIM DEPUTY CHIEFS
NĀ HOPE LUNA NUI MĀKA'I KŪIKAWĀ

OUR REFERENCE EO-SH

September 25, 2025

SENT VIA EMAIL

Ms. Tracy Camuso
docare_wahiawa_substation@g70.design

Dear Ms. Camuso:

This is in response to your correspondence dated September 10, 2025, requesting for comments on the Draft Environmental Assessment for the proposed State of Hawai'i, Department of Land and Natural Resources (DLNR), Wahiawā Substation project.

The Honolulu Police Department (HPD) recommends working with the area Neighborhood Board to convey the state's intent to use the site to support DLNR's Division of Conservation and Resource Enforcement in the Wahiawā and North Shore areas to help pacify concerns within the community of unsheltered persons occupying the area. The HPD would also like to ensure the flow of traffic is adequately monitored and controlled during the construction phase of the project.

If there are any questions, please call Major James Slayter of District 2 (Wahiawā) at (808) 723-8700.

Sincerely,

GLENN HAYASHI
Assistant Chief of Police
Support Services Bureau

Kira Ramos

From: Keoni Ahlo <keoni@ahlo.com>
Sent: Monday, September 22, 2025 3:31 PM
To: 224085-01 DOCARE Wahiawa Substation
Cc: d.osorio@capitol.hawaii.gov; Lyn Lurbe; Rene Mansho; Carolyn Hayashi; Marie Abatayo; Nahoku Ahlo; Matthew Weyer; Amy Perruso
Subject: Support for State Acquisition of TMK (1) 7-4-001:025 – Wahiawā Substation Project

Aloha Ms. Camuso,

I am writing as a member of the Wahiawā community to express my full support for the State's acquisition of the abandoned property identified as TMK (1) 7-4-001:025.

This property has been a longstanding issue in our community for more than a decade. Despite countless attempts by residents to reach the owner and seek resolution, the site has remained abandoned, poorly managed, and increasingly unsafe. It has become a dumping ground and a location occupied by informal residents, raising ongoing concerns about health, safety, and the general well-being of Wahiawā.

I strongly support the State's efforts to condemn and acquire this parcel so it can be repurposed for the benefit of the community. Transferring the property to DLNR DOCARE for the Wahiawā Substation will not only eliminate the current nuisance conditions but will also bring much-needed enforcement presence and stability to the area. Properly managed facilities at this location would serve the community far better than the neglected state we have endured for too long.

Please consider this letter as part of the early consultation record in support of the Draft Environmental Assessment for this project.

Mahalo for your efforts to move this initiative forward for Wahiawā.

Respectfully,

Keoni & Nahoku Ahlo

Our Wahiawa Businesses:

- Teapresso Bar Wahiawa
- Mia Bella Gelato Bar
- Ahlo State Farm
- Biofit
- 834 Kilani Avenue LLC

Our Wahiawa club affiliations:

- Past President, Wahiawa Lions Club
- Past President, Rotary Club of Wahiawa-Waialua
- Past President, Wahiawa Community & Business Associations

Wahiawa community projects we help drive:

- Wahiawa Santa Parade
- Wahiawa Veterans Day Parade
- Wahiawa Pineapple Festival
- Wahiawa Day at the Lake

Appendix B

Notices of Violation

CITY AND COUNTY OF HONOLULU

Department of Planning and Permitting (DPP)

Aloha. We provide services and information on building permits, development projects, and planning activities for the City and County of Honolulu.

- This website contains data up to July 28, 2025, 5:00 PM HST.
- For new applications and more recent data, please visit HNL Build.
- DPP is migrating historical data from this site to HNL Build. Upon completion of the data conversion, all data will be accessible via HNL Build.
- If you have any questions please contact dpp@honolulu.gov.

Permitting Searching DPP Home

Job Search

Permit Type	Permit No.	Status	Address	Description	Created	Issued	Completed
Land Permit Applications	68/SUB-314	Approved	525 AVOCADO ST Wahiawa 96786	CONS INTO LOT A OF 8,538 SF NET LESS 750 SF ROADWAY EASE *	Jul 18, 1968	Jul 18, 1968	Jul 18, 1968
Land Permit Applications	80/SP-14	CLOSED	187 S KAM HWY Wahiawa 96786	OFF SITE PARKING (7-3-01: 29; 7-4-01: 25)	Feb 13, 1980	Mar 17, 1983	Mar 17, 1983
Notice of Violation	2016/NOV-07-132	NOV File Closed	525 AVOCADO ST Wahiawa 96786	EX 525 Avocado Street 525 Avocado Street, TMK: 7-4-001: 025 Banners	Jul 20, 2016	Jul 20, 2016	Aug 2, 2016
Notice of Violation	2018/NOV-04-131	NOV File Closed	525 AVOCADO ST Wahiawa 96786	BV 535 Avocado Street 535 Avocado Street Fire at structure. Electrical wiring and service entrance equipment are not safe. Demo work being done without a permit.	Apr 20, 2018	Apr 23, 2018	Aug 9, 2019
Notice of Violation	2023/NOV-12-131	NOV File Closed	525 AVOCADO ST Wahiawa 96786	EX 525 and 535 Avocado Street EX 525 and 535 Avocado Street CAS-41263-C0F6K5 Abandoned property occupied by homeless people	Dec 18, 2023	Dec 21, 2023	Feb 8, 2024
Notice of Violation	2024/NOV-01-013	Draft NOV Reviewed	525 AVOCADO ST Wahiawa 96786	EX 525 Avocado Street Unsafe buildings, littered property	Jan 3, 2024	Jan 5, 2024	mmm dd, yyyy
Notice of Violation	2024/NOV-05-085	Draft NOV Reviewed	525 AVOCADO ST Wahiawa 96786	BV	May 15, 2024	May 17, 2024	mmm dd, yyyy
Sewer Connection Application	2025/SCA-0432	Adequate determination mailed	525 AVOCADO ST Wahiawa 96786	2025/SCA-0432 DLNR DOCARE substation	Apr 24, 2025	Apr 28, 2025	mmm dd, yyyy

Submit Save as Excel Search Again Cancel

City and County of Honolulu, Department of Planning & Permitting
650 S. King Street, Honolulu, HI 96813
Email: dpp@honolulu.gov | eplans@honolulu.gov
Phone: (808) 768-8000 | Fax: (808) 768-6743
ï¿½ Copyright Honolulu City & County. All Rights Reserved.

Screen ID: 750341

Appendix C

Phase I Environmental Site Assessment and Limited Hazardous Materials Survey

Report

Phase I Environmental Site Assessment

525 Avocado Street

Wahiawa, Oahu, Hawaii 96786

Tax Map Key (1) 7-4-001: Parcel 025

August 12, 2025

PREPARED FOR:
Group 70 International
111 S. King Street, Suite 170
Honolulu, Hawaii 96813

PREPARED BY:
Element Environmental, LLC
98-030 Hekaha Street, Unit 9
Aiea, Hawaii 96701

element environmental llc
environmental : engineering : water resources

element environmental llc
environmental · engineering · water resources

August 12, 2025

Ms. Tracy Camuso, Principal
Group 70 International
111 S. King Street, Suite 170
Honolulu, Hawaii 96813

Subject: **Phase I Environmental Site Assessment**
525 Avocado Street
Tax Map Key (1) 7-4-001:025
Wahiawa, Oahu, Hawaii

Dear Ms. Camuso,

The Phase I Environmental Site Assessment (ESA) was performed for the Subject Property referenced above. The purpose of the Phase I ESA was to identify environmental issues (if any) as part of due diligence prior to the acquisition of the land.

The accompanying report summarizes the findings and relates opinions with respect to the property and potential sources of contamination at the property. The findings and opinions are based on information that was obtained on given dates through a review of records, visual site inspection, interviews, and related activities. It is possible that other information exists or subsequently has become known, just as it is possible for conditions observed to have changed after the initial observations. For these and associated reasons, Element Environmental, LLC and many of its peers routinely advise clients for ESA services that it would be a mistake to place unmerited faith in findings and opinions conveyed via ESA reports. We cannot under any circumstances warrant or guarantee that not finding indicators of hazardous substances or petroleum products means that hazardous substances or petroleum products and/or associated contamination do not exist on the property.

It has been a pleasure conducting this assessment for you. If you have questions regarding this report, please contact me on my mobile phone at (808) 551-3740.

Respectfully submitted,

Element Environmental, LLC

Angela Peltier
Angela Peltier
Senior Geologist

98-030 Hekaha Street Unit 9 Aiea Hawaii 96701 **tel:** (808) 488-1200 **fax:** (808) 488-1300
www.e2hi.com

This page intentionally left blank.

ELEMENT ENVIRONMENTAL, LLC

ENVIRONMENTAL CERTIFICATION

E2 Project No.:	250018
Report:	Phase I Environmental Site Assessment, ASTM International E1527-21
Inspection Date:	June 20, 2025
Report Date:	August 12, 2025
Site:	525 Avocado Street, Wahiawa, Oahu, Hawaii 96786
Client:	G70 International, LLC dba G70

ENVIRONMENTAL PROFESSIONAL CERTIFICATION

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 Code of Federal Regulations (CFR) 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the "all appropriate inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

Angela Peltier

Angela Peltier, Senior Geologist Date: August 12, 2025

John Ellis

John Ellis, Project Scientist Date: August 12, 2025

This page intentionally left blank.

Table of Contents

Section Page

List of Acronyms and Abbreviations v

Section 1 Introduction 1-1

1.1 Overview 1-1

1.2 Purpose 1-1

1.3 Detailed Scope-of-Services 1-2

1.4 Significant Assumptions 1-3

1.5 Limitations and Exceptions 1-3

1.6 Special Terms and Conditions 1-4

1.7 Data Gaps 1-4

1.8 User Reliance 1-5

Section 2 Site Description 2-1

2.1 Location and Legal Description 2-1

2.2 Current Uses of the Adjacent Properties 2-2

Section 3 User-Provided Information 3-1

3.1 Title Records 3-1

3.2 Environmental Liens or Activity and Use Limitations 3-1

3.3 Specialized Knowledge 3-1

3.4 Valuation Reduction for Environmental Issues 3-1

3.5 Commonly Known or Reasonably Ascertainable Information 3-1

3.6 Owner, Property Manager, and Occupant Information 3-1

3.7 Reason for Performing the Phase I ESA 3-1

Section 4 Records Review 4-1

4.1 Standard Environmental Record Sources 4-1

4.1.1 Environmental Data Resources, Inc. Report 4-1

4.2 Other Information Sources 4-4

4.2.1 Government Agencies File Review 4-4

Table of Contents (Continued)

Section Page

4.3 Vapor Encroachment Screening 4-7

4.4 Historical Use Information 4-8

4.4.1 Standard Historical Sources 4-8

4.5 Previous Environmental Reports 4-13

4.6 Summary of Historical Land Use 4-14

Section 5 Visual Site Inspection 5-1

5.1 Methodology and Limitations 5-1

5.2 General Observations on the Subject Property 5-1

5.3 Adjacent Property Observations 5-3

Section 6 Interviews 6-1

6.1 Interviewed Parties 6-1

6.2 Interview Findings 6-1

Section 7 Findings and Opinions 7-1

Section 8 Conclusions and Recommendations 8-1

8.1 Conclusions 8-1

8.2 Recommendations 8-3

Section 9 Qualifications of Environmental Professionals 9-1

Section 10 References 10-1

Tables

Table ES-1: Recognized Environmental Conditions ES-2
Table ES-2: Controlled Recognized Environmental Condition ES-3
Table 2-1: Subject Property General Information 2-1
Table 2-2: Adjacent Properties 2-2
Table 4-1: Environmental Record Sources Searched 4-1
Table 4-2: Sites Located within 1/8-mile of Subject Property and/or Sites with Environmental Concerns Beyond 1/8-mile of Subject Property 4-2
Table 4-3: Government Agencies Information Requests 4-4
Table 4-4: Historical Sources Reviewed 4-8

Table of Contents (Continued)

Table 5-1: Summary of Visual Site Inspection Observations 5-2
Table 6-1: Interviewed Parties 6-1
Table 7-1: Findings and Opinions 7-1
Table 8-1: Recognized Environmental Conditions 8-1
Table 8-2: Controlled Recognized Environmental Conditions 8-2
Table 8-3: Historical Recognized Environmental Conditions 8-3

APPENDICES

Appendix A Figures and Photographs
- Figures
  - Figure 1 Site Vicinity and Location Map
  - Figure 2 Adjacent Property Map
- Visual Site Inspection Photographs

Appendix B User Questionnaires and Interviews

Appendix C Environmental Data Resources, Inc. (EDR) Reports
- The EDR Radius Map™ Report with GeoCheck®
- EDR Environmental Lien and AUL Search
- The EDR Aerial Photo Decade Package
- Certified Sanborn® Map Report
- EDR Historical Topo Map Report
- The EDR-City Directory Image Report
- EDR Building Permit Report
- The EDR Property Tax Map Report

Appendix D Vapor Encroachment Screening

Appendix E Qualifications of Environmental Professionals
- Arlene Campbell, Licensed Geologist
- Angela Peltier, Geologist

This page is intentionally left blank.

List of Acronyms and Abbreviations

%	percent
AAI	All Appropriate Inquiries
ACM	asbestos-containing material
amsl	above mean sea level
AST	aboveground storage tank
ASTM	ASTM International
AUL	activity and use limitation
bgs	below ground surface
BWS	Board of Water Supply
C&D	construction and demolition
c.	circa
CCH	City and County of Honolulu
CCl4	carbon tetrachloride
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
CFR	Code of Federal Regulations
Clark	Bryon O. Clark
CMU	concrete masonry unit
COC	contaminant of concern
COPC	contaminants of potential concern
CORRACTS	Corrective Action Sites under RCRA
CREC	controlled recognized environmental condition
CSF	Copy of Survey Furnished
CWB	Clean Water Branch
CWRM	Commission on Water Resources Management
DAGS	State of Hawaii Department of Accounting and General Services
DLNR	State of Hawaii Department of Land and Natural Resources
DOCARE	Division of Conservation and Resources Enforcement
DoD	Department of Defense
Dole	Dole Food Company, Hawaii
E2	Element Environmental, LLC
EDR	Environmental Data Resources, Inc.
EPA	United States Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FID	Facility Identification
FP	File Plan
ft	foot/feet
FUDS	Formerly Used Defense Site

List of Acronyms and Abbreviations (Continued)

G70	G70 International, LLC
HDOH	State of Hawaii Department of Health
HE	Hawaiian Electric Company, Inc.
HEER	Hazard Evaluation and Emergency Response
HREC	historical recognized environmental condition
HRS	Hawaii Revised Statutes
HTS	Hawaii Territorial Survey
HWP	Hazardous Waste Program
ID	Identification
IEC	institutional/engineering control
IRHB	Indoor and Radiological Health Branch
IRP	Installation Restoration Program
LBP	lead-based paint
LDS	Latter-day Saints
LLP	landowner liability protections
LQG	large quantity generator
LUO	Land Use Ordinance
LUST	leaking underground storage tank
MSW	municipal solid waste
NCTAMS EASTPAC	Naval Computer and Telecommunications Area Master Station Eastern Pacific
NFA	No Further Action
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
OU	Operable Unit
PCB	polychlorinated biphenyl
PEC	potential environmental concern
PFAS	per- and polyfluoroalkyl substances
ppb	parts per billion
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
RID	Release Identification
ROD	Record of Decision
ROW	right-of-way
SBMR	Schofield Barracks Military Reservation
SDWB	Safe Drinking Water Branch
SEMS	Superfund Enterprise Management System
SHWB	Solid and Hazardous Waste Branch
SHWS	solid and hazardous waste site
SOSC	State On-Scene Coordinator
SPILLS	Spills Listing
SQG	small quantity generator

List of Acronyms and Abbreviations (Continued)

SWRCY	Solid Waste Recycling Information
TCE	trichloroethylene
TMK	Tax Map Key
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, and Disposal
U.S.	United States of America
U.S.C.	United States Code
UIC	Underground Injection Control
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	underground storage tank
UXO	Unexploded Ordnance
VEC	vapor encroachment condition
VES	vapor encroachment screening
VESQG	very small quantity generator
VRP	Voluntary Response Program
VSI	visual site inspection
WHS	Wahiawa Historical Society
WIS	Wahiawa Irrigation System
WSC	Waialua Sugar Company
WWB	Wastewater Branch
WWII	World War II
WWTP	Wastewater Treatment Plant

This page intentionally left blank.

Executive Summary

This Phase I Environmental Site Assessment (ESA) was conducted for G70 International, LLC dba G70 in general conformance with ASTM International (ASTM) Practice E1527 21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process pursuant to Regulation 24 Code of Federal Regulations (CFR) Part 51 Subpart C. This assessment was conducted for one parcel of commercial land located at 525 Avocado Street in Wahiawa, Oahu, Hawaii, specifically designated as Tax Map Key: (1) 7-4-001: Parcel 025. The parcel is currently owned by Angelo's Auto Body & Detailing, LLC.

The assessment was conducted to identify environmental issues (if any) as part of due diligence prior to the acquisition of the land. On June 20, 2025, a visual site inspection (VSI) was conducted on the subject property. At the time of the VSI, the property had ruins of three buildings that were vacant but appeared to be occupied by vagrants. The surrounding area to the north, east, and west mainly consists of commercial businesses and the Wahiawa Reservoir to its south.

The purpose of a Phase I ESA is to identify recognized environmental conditions (RECs). ASTM guidance defines a REC as (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. The RECs identified are listed in Table ES-1.

A controlled REC (CREC) is defined as a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations [AULs], institutional/engineering controls [IECs]). The CRECs identified are listed in Table ES-2.

A historical REC (HREC) is defined as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (e.g., AULs or other property use limitations). The HRECs identified are listed in Table ES-3.

Potential environmental concerns (PECs), which cannot be definitively categorized as RECs due to insufficient available information required to make a determination, are identified in Section 7 of the report.

E2 recommends conducting a comprehensive geophysical survey of all accessible areas of the property to identify potential anomalies that may indicate the presence of buried utilities or structures. Furthermore, a Phase II ESA should be carried out in general accordance with the HDOH HEER Office guidelines. The Phase II ESA will aim to investigate RECs and PECs identified in this report, as well as any subsurface objects detected during the geophysical survey.

Table ES-1: Recognized Environmental Conditions

Recognized Environmental Conditions (RECs)	REC Categories		
	Release	Conditions Indicative of a Release	Conditions Posing a Material Threat of a Future Release to the Environment
Vagrant activities were observed on the subject property. Environmental risks linked with vagrancy encompass littering, unlawful disposal, and incineration of waste materials, including hazardous substances like chemicals, electronic waste, and construction debris. These activities have the potential to contaminate water sources and exacerbate soil pollution. Heavily stained soil was also noted during the VSI.		✓	
The property's multiple outfalls and drainage systems pose a significant environmental risk by discharging runoff over solid waste, potentially contaminating nearby water bodies, including Kaukonahua Stream, which flows into the Wahiawa Reservoir. This runoff could introduce hazardous substances into the water, threatening both environmental health and community safety.		✓	
The western portion of the property at 525 Avocado Street was previously used as an auto repair facility and used car lot, raising significant environmental concerns related to potential soil, surface water, and groundwater contamination. This is primarily due to the long-term use of petroleum products, hazardous materials, and heavy metals from automotive activities, which may have leached into the environment. Visual inspections and historical records suggest that there were large areas of spillage and improper material storage, posing risks to nearby receptors. While historic maps hint at a fueling station, there is no documented information regarding underground storage tanks, hydraulic lifts, or oil/water separators, which may still be present and pose further risks if they are compromised.		✓	
The eastern portion of the property at 541 Avocado Street was previously a used car lot (c. 1991 to c. 2016), which raises several environmental concerns. The operations may have introduced hazardous substances, such as motor oil and heavy metals, leading to potential soil, surface water, and groundwater contamination. The property could pose risks to human health due to historical pollutants.		✓	
Potential and reported releases of hazardous substances associated with Island Power's 23 year history of unauthorized use of 555 Avocado Street (adjacent to the east side of the site) for storage of generators and other equipment may be negatively impacting the soil and groundwater at the subject property.		✓	
Stormwater runoff and soil from the Island Power site flows onto the adjacent (555 Avocado Street) site and the subject property. It is likely that the runoff and soil are negatively impacted by the long history of industrial use/activities at the Island Power property and the adjacent property they have encroached on for 23 years.		✓	

Table ES-2: Controlled Recognized Environmental Condition

Category	Controlled Recognized Environmental Conditions (CREC)
Releases/Violations on Nearby Properties	Schofield Barracks Military Reservation (SBMR) and Wheeler Air Force Base, TMK: (1) 7-7-001:001, is an active military site established in 1908, and encompasses over 17,725 acres of land. The Army uses several programs to address releases in cooperation with the United States Environmental Protection Agency (EPA) and State of Hawaii Department of Health (HDOH): Installation Restoration Program (IRP), Military Munitions Response Program, and Compliance-Related Cleanup Program. It is likely that the subject property was directly adjacent or possibly within the former boundaries of the SBMR East Range. The SBMR is a Department of Defense IRP site that was delisted from the National Priorities List (NPL) in 2020, as the Record of Decisions (RODs) determined that the remedies in place are expected to be protective of human health and the environment and in the interim, exposure pathways that could result in unacceptable risks are being controlled.
	Opana (Operable Unit [OU]-00) is part of the NPL Site Naval Computer and Telecommunications Area Master Station Eastern Pacific (NCTAMS EASTPAC) (EPA Identification HI1170090053). The OU-00 refers to the sitewide portion of NPL. The No Decision Document was issued for OU-00 Sitewide; the Five-Year Review process started in 2015. The estimated Five-Year Review is estimated to occur between September and November 2025. It should be noted that the O-U00 Sitewide includes the entirety of the NCTAMS EASTPAC facility located approximately 2 miles northeast of the subject property; the EDR Report identified Opana within the North Fork of Kaukonahua waterway.
	Formerly Used Defense Site (FUDS) Site Wahiawa School is located ¼ to ½ mile north northeast of the subject property and hydraulically upgradient. After the attack on Pearl Harbor during World War II, Wahiawa Elementary School was used as an emergency hospital.
	FUDS Site Hawaiian Medical Center is located ½ to 1 mile east of the subject property and hydraulically cross gradient. The site was originally acquired in 1989 and was developed into SBMR in early 1900's. The Hawaiian Medical Depot was a portion of the 13th Replacement Depot which served as a training transfer depot for troops prior to deployment overseas. In 1960, the site was transferred to the State of Hawaii via quitclaim.

Table ES-3: Historical Recognized Environmental Condition

Category	Historical Recognized Environmental Conditions (HREC)
Releases/Violations on Subject Property	In 1989, HDOH Hazard Evaluation and Emergency Response (HEER) Office and Environmental Data Resources, Inc. reported a potential release of polychlorinated biphenyl-containing transformer oil from a transformer at 535 Avocado Street (east side of subject property). Specific details regarding the release date, quantity, and affected media were not provided. A State On-Scene Coordinator responded to the incident, and the spill ultimately received a No Further Action designation.

This page intentionally left blank.

Section 1 Introduction

1.1 Overview

The Phase I Environmental Site Assessment (ESA) was conducted for one parcel of commercial land located at 525 Avocado Street in Wahiawa, Oahu, Hawaii, and designated as Tax Map Key (TMK): (1) 7-4-001: Parcel 025; hereinafter referred to as "*the site, the subject property, and/or the property,*" for G70 International, LLC dba G70. The property is currently owned by Angela's Auto Body & Detailing, LLC (City and County of Honolulu [CCH] 2025).

This Phase I ESA was conducted in general conformance with ASTM International (ASTM) Practice E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* pursuant to Regulation 24 Code of Federal Regulations (CFR) Part 51 Subpart C. The purpose of the Phase I ESA was to identify recognized environmental conditions (RECs) (if any) as part of due diligence prior to the acquisition of the land.

1.2 Purpose

The purpose of the ASTM Practice is to define good commercial and customary practices in the United States of America (U.S.) for conducting an ESA of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (42 U.S. Code [U.S.C.] §9601) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes Appropriate Inquiries (AAI) into the previous ownership and uses of the property consistent with good commercial and customary practice, as defined in 42 U.S.C. §9601(35)(B).

For the purposes of this practice:

- The definition of a release includes contamination of soil vapor, soil, and/or groundwater by any hazardous substance or petroleum product.
- "Migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form. This includes solid and liquid at the surface or subsurface and vapor in the subsurface.
- Vapor migration/intrusion (excluding impacts to the indoor air from releases of hazardous substances into the environment) *does not fall under the category of an Indoor Air Quality concern*. It is not included in the ASTM E1527-21 scope of work.

ASTM guidance defines a REC as (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment (ASTM 2021).

A controlled REC (CREC) is defined as a REC affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations [AULs], institutional/engineering controls [IECs]) (ASTM 2021).

A historical REC (HREC) is defined as a previous release of hazardous substances or petroleum products affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meets unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the Subject Property to any controls (e.g., AULs or other property use limitations) (ASTM 2021).

RECs do not include *de minimis* conditions that relate to a release that generally does not present a threat to human health, and that would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies (ASTM 2021).

Potential environmental concerns (PECs), a non-ASTM scope definition, are not considered RECs as there is insufficient data or evidence to make a definitive determination that the release is impacting the Subject Property.

1.3 Detailed Scope-of-Services

This Phase I ESA was performed under the conditions of, and in general accordance with the proposal from Element Environmental, LLC (E2) dated August 23, 2024 (E2 2024), the ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Designation E1527-21), and pursuant to Regulation 24 CFR Part 51 Subpart C. Adherence to the ASTM standard is intended to limit property owners' liability from inherited environmental contamination.

The Phase I ESA included the following tasks:

- Review of regulatory records. A review of standard environmental record sources, including the U.S. Environmental Protection Agency (EPA) Superfund Enterprise Management System (SEMS) database (formerly Comprehensive Environmental Response Compensation and Liability Information System [CERCLIS]), EPA's Resource Conservation and Recovery Act (RCRA) database, U.S. IEC database, EPA's Emergency Response Notification System (ERNS) database, Hawaii Department of Health (HDOH) Hazard Evaluation and Emergency Response (HEER) Office sites list, HDOH Underground Storage Tank (UST) list, HDOH Leaking UST (LUST) list, HDOH list of landfills and other solid and hazardous waste sites (SHWS), HDOH Voluntary Response Program (VRP) sites list, and the HDOH Brownfield sites list.
- Review of site history. A review of reasonably ascertainable standard historical sources, including historical maps; aerial photographs; building permits, zoning records, and property tax records available online; various printed publications as well as publications posted on the internet; and documents and/or records provided by the owner/user and/or their representatives.
- Review of site geology and hydrogeology. A review of reasonably ascertainable published information on surface and subsurface conditions at the site and surrounding area. This information was used to assess topography, drainage, surface water bodies, anticipated subsurface geology, and groundwater occurrence and usage in the area.

- Visual Site Inspection (VSI). A VSI of the property to note visual signs of contamination and conducted a limited assessment of portions of the neighboring properties visible from the Subject Property boundaries. During the VSI, we specifically looked for hazardous substances; petroleum products; aboveground storage tanks (ASTs) and USTs; odors; pools of liquid; drums; electrical and hydraulic equipment; means for heating and cooling structures; stains or corrosion; drains and sumps; pits, ponds, or lagoons; stained soil or pavement; stressed vegetation; solid waste; wastewater; wells; and septic systems.
- Interviews. Interviews of available individuals familiar with the site conditions and/or site use history.
- Data evaluation and report preparation. An evaluation of the information collected and preparation of this report that documents the assessment and presents the findings, opinions, and conclusions.

1.4 Significant Assumptions

In preparing this report, the following assumptions were made:

- Certain verbal information and representations provided by Phase I ESA owners/users; landowners, tenants, occupants, and/or their representatives; government employees; and others are complete and accurate to the best of their knowledge.
- Government agencies' responses to public requests for information are complete and accurate.
- Reports provided by the private database search company (detailing a computer search of government databases) are complete and accurate.
- Written information and documents provided by the Phase I ESA owners/users, tenants, occupants, and/or their representatives are complete and accurate to the best of their knowledge.

Except as discussed, we have relied on that information and did not attempt to verify its accuracy or completeness independently, but we did not detect any inconsistency or omission of a nature that might call into question the validity of the data. To the extent that the conclusions in this report are based in whole or in part on such information, they are contingent on its validity. We assume no responsibility for any consequence arising from any information or condition concealed, withheld, misrepresented, or otherwise not fully disclosed or available to us.

1.5 Limitations and Exceptions

Phase I ESAs, by their very nature, are limited. We have endeavored to meet what it believes is the applicable standard of care and, in so doing, is obliged to advise its client, G70, of the Phase I ESA limitations. This Phase I ESA did not assess environmental issues or conditions at the property that are outside the scope of ASTM Practice E1527-21, including, but not limited to, asbestos-containing material (ACM), biological agents, cultural and historical resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment, industrial hygiene, lead-based paint (LBP), lead in drinking water, mold, radon, regulatory compliance, and wetlands, nor did it include any sampling or testing for biological agents and mold, radon,

methane, ACM, LBP, or other environmental contaminants. The investigation was limited to procedures described in the Phase I ESA Standard Practice (ASTM 2021).

The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity and our interpretation of the available historical and regulatory information and documents reviewed. They are intended exclusively for the purpose outlined herein and apply only to the site location and project indicated.

The findings and opinions are based on information we obtained on given dates through a records review, site reconnaissance, interviews, and related activities. It is possible that other information exists or subsequently has become known, just as it is possible for conditions we observed to have changed after the initial observations. For these and associated reasons, E2 and many of its peers routinely advise clients for ESA services that it would be a mistake to place unmerited faith in findings and opinions conveyed via ESA reports. We cannot under any circumstances warrant or guarantee that not finding indicators of hazardous substances or petroleum products means that hazardous substances or petroleum products and/or associated contamination do not exist on the Subject Property.

1.6 Special Terms and Conditions

Our services are performed within limits prescribed by the client, with the usual thoroughness and competence of the consulting profession, in accordance with the standard for professional services at the time those services are rendered. No warranty or representation, either expressed or implied, is included or intended in the proposals, contracts, or reports.

Findings and opinions presented herein apply to site conditions existing at the time of our investigation and those reasonably foreseeable; they cannot necessarily apply to site changes of which we are not aware of or have not had the opportunity to evaluate.

1.7 Data Gaps

Based on the information obtained during this ESA, it is our professional opinion that a historical data gap, as defined in the ASTM guidelines, has occurred in attempting to document the history of the Subject Property back to the earlier part of 1940 or the first developed usage of the property in five-year increments, as follows:

- No historical information regarding the subject property was found before 1881 or between 1882-1898, 1906-1915, and 1943-1952.
- No information on per- and polyfluoroalkyl substances (PFAS) was available for the subject property.

Additional data gaps identified during the VSI included the following:

- A 20-foot shipping container was observed within the northwest portion of the subject property and was inaccessible during the VSI. The contents of the shipping container are unknown.

- Copious amounts of solid waste throughout the site limited visual observations in many areas. The Phase I ESA is a preliminary assessment and may not fully uncover or characterize all potential solid waste issues. No sampling was conducted.

Based on the information obtained, the lack of documentation is not deemed critical and did not affect the ability to identify potential RECs associated with the Subject Property.

1.8 User Reliance

This report is intended for the use of G70and its assignees. The scope of services performed in the execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, opinions, and conclusions presented herein is at the sole risk of the said user.

This page intentionally left blank.

Section 2 Site Description

2.1 Location and Legal Description

General site and environmental setting information is summarized in Table 2-1. Figures 1 and 2, included in Appendix A, show a location map and configuration of the area relative to adjacent properties.

Table 2-1: Subject Property General Information

TMKs:	(1) 7-4-001: Parcel 25
Address	525 Avocado Street, Wahiawa, Oahu, Hawaii
Property Owner:	Angelo's Auto Body & Detailing, LLC
Existing Use:	The Subject Property is nearly vacant and occupied by ruins of former structures
General Information	
Topographic Map:	Topographic map coverage of the site is included on four U.S. Geological Survey (USGS) 7.5-minute quadrangle map for Schofield Barracks. The property is adjacent to the South Fork of Kaukonahua Stream off Avocado Street. The property is located at 21° 29' 35.33'' north latitude 158° 1' 40.65' west longitude, as shown in Figure 1. The approximate elevation of the subject property ranges is 866 feet (ft) above mean sea level (amsl). The site slopes to the south towards the stream.
General Location:	The subject property consists of a single parcel of land adjacent to the north of the Wahiawa Reservoir and east of Kamehameha Highway within the southern portion of Wahiawa.
Existing Use:	The subject property is currently occupied by three single-story structures that were formerly used as an auto shop and an office associated with used auto sales. At the time of the VSI, all structures had been abandoned, and evidence of vagrant activities were observed.
Nearest Surface Water Body:	The South Fork of the Kaukonahua Stream and the Wahiawa Reservoir are the nearest surface water bodies.
Soil and Geologic Conditions:	The subject property is in the District of Wahiawa and lies within the Schofield Saddle physiographic region on the central-northern plain of the island of Oahu, Hawaii. According to the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the predominant soil type found on the subject property is *Wahiawa silty clay* (mapping units WaA and WaB) is well-drained soil found on uplands and is derived from residuum and old alluvium from basic igneous rock. In a representative profile, Wahiawa silty clay has a 12-inch thick surface layer of very dusky red and dusky red silty clay. The subsoil is approximately 48 inches thick and consists of dark reddish-brown silty clay with a subangular blocky structure. The underlying material is weathered basic igneous rock. Permeability is moderately rapid, and runoff is slow. In areas with slopes of 0 to 3 percent (%) (WaA), the erosion hazard is no more than slight. On areas with 3 to 8% slopes (WaB), the erosion hazard is slight. The predominant soil type found along the shore of the South Fork of Kaukonahua Stream is H*elemano silty clay* (mapping unit HLMG). This well-drained soil is found on alluvial fans and colluvial slopes on the sides of gulches that developed in alluvium and colluvium derived from basic igneous rock. In a representative profile, the surface layer is dark reddish-brown silty clay about 10 inches thick. The subsoil is approximately 50 inches thick and consists of dark reddish-brown and dark-red silty clay with a subangular blocky structure. The substratum is soft, highly weathered, basic igneous rock. Permeability is moderate. On slopes 30 to 90 %, runoff is medium to very rapid, and erosion hazard is severe to very severe.

Depth to Groundwater and Location Relative to the Underground Injection Control (UIC) Line:	According to the Mink and Lau Aquifer Identification and Classification Technical Report No. 179 (Mink, John F.; Lau, L. Stephen 1990), the aquifer below the subject property is part of the Wahiawa aquifer system of the Central aquifer sector on the island of Oahu. This aquifer is an unconfined high-level aquifer (fresh water not in contact with seawater) occurring in dike compartments. Its status is described as an irreplaceable fresh drinking water supply that is currently used, with a high vulnerability to contamination. The estimated depth to groundwater based on wells in the area is around 650 ft below ground surface (bgs). The subject site lies mauka (mountain side) of the UIC line, and groundwater beneath the site is considered a potential source of drinking water.
Flood Zone Designation and Tsunami Zone	As identified by the Federal Emergency Management Agency (FEMA) Federal Insurance Rate Map 15003C0210F, the site is located within "Zone D – Areas where there are possible but undetermined flood hazards, as no analysis of flood hazards has been conducted." The site is not located in an area affected by tsunamis, high waves, or other high-water events from ocean conditions.
State Land Use Ordinance (LUO):	The State LUO for the subject property L is Urban (CCH 2025).
CCH Zoning LUO:	The CCH zoning LUO designation for the subject property is B-2 Community Business District (west portion) and R-5 Residential District (east portion). The CCH zoning LUO designation for adjacent properties includes the following: • B-2 Community Business District (west and north); • P-1 Restricted Preservation District (east and south); and • R-5 Residential District (north). The site is not within the Special Management Area or the Tsunami Evacuation Zone.

2.2 Current Uses of the Adjacent Properties

Table 2-2 lists the adjacent property parcel numbers and owner/occupant activities. Figure 2, included in Appendix A, shows the locations of adjacent properties.

Table 2-2: Adjacent Properties

TMK: (1)	Occupant	Owner/Occupant Activities
Parcels to the north across Avocado Street		
7-4-001:009	Residential Ownership 514 Avocado Street	Goodies Market
7-4-001:022	President Church of Latter-day Saints (LDS) President Bishop Church LDS 538 Avocado Street	Church of Jesus Christ of LDS
Parcel adjacent to the east and south of the Subject Property		
7-4-001:003	Wahiawa Water Co Inc. (owner) Dole Food Co Inc. (lessee) Wahiawa Water Co. Inc.	South Fork of Kaukonahua Stream right-of-way (ROW)
Parcel adjacent to west of the Subject Property		
7-4-001:026	Alya Holding Limited Liability Company 505 Avocado Street	

Section 3 User-Provided Information

A user questionnaire was completed by Mr. Brandon Kim, Project Planning Section Head at the State of Hawaii Department of Land and Natural Resources (DLNR) Engineering Division, the user's representative, as of the date of this report. A copy of the questionnaire is provided in Appendix B, and Mr. Kim's responses are provided in the following sections.

3.1 Title Records

No title records were provided for the subject property Areas.

3.2 Environmental Liens or Activity and Use Limitations

The user has no knowledge of environmental liens or AULs for the subject property Areas.

3.3 Specialized Knowledge

The user has no specialized knowledge of the environmental conditions associated with the subject property.

3.4 Valuation Reduction for Environmental Issues

The user stated that the property will be acquired at the appraised price or through condemnation.

3.5 Commonly Known or Reasonably Ascertainable Information

The user has no known or reasonably ascertainable information other than the current owner of record.

3.6 Owner, Property Manager, and Occupant Information

The current owner on record is Angelo's Auto Body & Detailing, LLC.

3.7 Reason for Performing the Phase I ESA

The purpose of the Phase I ESA was to identify environmental issues (if any) as part of due diligence prior to the acquisition of the land.

This page intentionally left blank.

Section 4 Records Review

4.1 Standard Environmental Record Sources

4.1.1 Environmental Data Resources, Inc. Report

Several published sources of environmental records were reviewed to identify the presence of adverse environmental conditions at the Subject Property. This section lists the records that were searched and the results of each search.

ASTM E1527-21 specifies search distances for specific environmental record sources. Table 4-1 identifies the record sources searched for incidents or sites within the listed search distances of the Subject Property:

Table 4-1: Environmental Record Sources Searched

Standard Environmental Record Sources	Search Distance (miles)	Number of Sites Identified
Federal National Priorities List (NPL) (Superfund) site list	1.0	1
Federal Delisted NPL site list	0.5	1
Federal SEMS list (formerly CERCLIS)	0.5	2
Federal SEMS-Archive (formerly CERCLIS No Further Remedial Action Planned) site list	0.5	0
Federal RCRA Corrective Action Sites under RCRA (CORRACTS) facilities list (facilities underground Corrective Action)	1.0	0
Federal RCRA Treatment, Storage, and Disposal (TSD) facilities list	0.5	1
Federal RCRA generators list large quantity generator[LQG]), small quantity generator [SQG], very small quantity generators [VESQGs]	Subject and Adjacent properties	0
Federal IEC registries	Subject property only	0
Federal ERNS list	Subject property only	0
State list of SHWS identified for investigation or remediation (NPL or CERCLIS equivalents)	1.0	21
State landfill and/or solid waste disposal site lists	0.5	0
State LUST list	0.5	13
State-registered UST list	Subject and Adjacent properties	0
State IEC registries	Subject and Adjacent properties	0
State VRP sites	0.5	0
State Brownfield sites	0.5	0
Additional Sites Searched but not required by ASTM		
Solid Waste Recycling Information (SWRCY)	0.5	2
Spills Listing (SPILLS) sites	0.001	1
Formerly Used Defense Site (FUDS) Database	1.0	2
Department of Defense (DoD)	1.0	6
Record of Decision (ROD)	1.0	2
Unexploded Ordnance (UXO)	1.0	1
PFAS NPL	0.25	1
Hazardous Waste Program (HWP) Listing	0.25	14

An online regulatory database search service provided by Environmental Data Resources, Inc. (EDR) was used to review the above listed Federal and State government databases within prescribed search distances. A copy of the EDR report is included in Appendix C (EDR 2025a).

In reviewing the environmental databases, it should be noted that the specific regulatory agencies do not instantaneously update such databases. Updates may be as infrequent as annually, depending on the database and the agency. The dates of the most recent updates for the searched environmental databases are listed in the EDR report in Appendix C.

E2 reviewed the sites identified by EDR within the required search radii. The closest sites (those located within a 1/8-mile distance from the site) and/or those with environmental concerns located beyond a 1/8-mile that may impact the property are summarized in Table 4-2 (EDR 2025a). Refer to the EDR reports (Appendix C) for a full listing of the sites within the required search radii.

Table 4-2: Sites Located within 1/8-mile of Subject Property and/or Sites with Environmental Concerns Beyond 1/8-mile of Subject Property

Facility/Address	Database/ List	Location Relative to the Subject Property	Environmental Concerns/Information
HE Transformer 535 Avocado Street Wahiawa, HI 96786	SPILLS	Subject Property	Facility Identification (ID) (FID): 110013791432 / Case No.: 19890620 State On-Scene Coordinator (SOSC) No Further Action (NFA) (Transformer with possible polychlorinated biphenyls [PCBs])
Island Power Hawaii 567 Avocado Street Wahiawa, HI 96786	SHWS	0 - ⅛ mile east northeast (higher elevation / hydraulically cross gradient)	iHEER ID: 2527 Used Oil AST Update On: 05/30/2019 Assessment, Brownfields Low Priority Site
	SPILLS		Used Oil AST Release SOSC NFA as of 07/18/2014
Silver Crest Elderly 529 Pine Street Wahiawa, HI 96786	SHWS	0 - ⅛ mile east southeast (lower elevation / hydraulically cross gradient)	110013777868 Hazard Undetermined / Assessment Ongoing as of 02/22/1999 NFA Type Undetermined; Brownfield Closed Incomplete Characterization as of 05/30/2019
Service Motor Company 105 S. Kam Highway Wahiawa, HI 96786	LUST UST FINDER RELEASE	0 - ⅛ mile northwest (higher elevation / hydraulically cross gradient)	FID: 9-200881 RID: 980211 Site Cleanup Completed (NFA) as 08/27/1999 Release Identification (RID): 030029 Site Cleanup Completed (NFA) as of 04/23/2003
Wahiawa School Wahiawa, HI	FUDS	¼ - ½ mile north northeast (higher elevation / hydraulically upgradient)	ID: HI99799F406400 / FUDS: H09HI0343 Not on the NPL After the attack on Pearl Harbor, Wahiawa Elementary School was used as an emergency hospital. Construction of the Wahiawa General Hospital required demolition of the school

Facility/Address	Database/ List	Location Relative to the Subject Property	Environmental Concerns/Information
Hawaiian Medical Depot Wahiawa, HI	FUDS	½ to 1 mile east (higher elevation / hydraulically cross gradient)	ID: HI99799F385300 / FUDS No.: H09HI0113 Not on the NPL The site was originally acquired on 07/20/1989 and was developed into Schofield Barracks Military Reservation (SBMR) in early 1900's. The Hawaiian Medical Depot was a portion of the 13th Replacement Depot which served as a training transfer depot for troops prior to deployment overseas. On 07/21/1960, the site was transferred to the State of Hawaii via quitclaim.
NCTAMS EASTPAC 500 Center Street Wahiawa, HI 96786	NPL SEMS	¼ to ½ mile north northeast (higher elevation / hydraulically upgradient)	EPA ID: HI0170090054, FID: 0902904 Status: Currently on the Final NPL (Soil Exposure Pathway for PCBs) The Naval Computer and Telecommunications Area Master Station Eastern Pacific (NCTAMS EASTPAC) operates and maintains facilities critical to the Navy's Defense Communications System across several locations on Oahu, Hawaii, including Wahiawa and Lualualei. An Initial Assessment Study identified 14 sources of potentially hazardous waste at these sites, with eight of them located at Lualualei, particularly in areas such as the Old Coral Pit and various antenna disposal sites. The brackish groundwater in the region is not used for drinking purposes, and the surface water downstream is also not utilized for drinking. At the Wahiawa facility, which spans 700 acres, PCBs have been detected in soil near residential areas, a consequence of improper transformer oil disposal from 1942 to 1977. Cleanup efforts commenced in 1990, focusing on the remediation of PCB-contaminated soil, and were successfully completed by early 1991.
	ROD		Operable Unit (OU) 01: ROD 02/04/2010, ROD OU 02: ROD Date: 09/28/2006, Status: Final NPL (soil) OU 03: ROD Date: 11/07/1996, Status: Final NPL (soil) OU 04: ROD Date: 05/08/2012, Status: Final NPL (soil) OU 05: ROD Date: 04/25/2014, Status: Final NPL (sediment, liquid waste, sludge, surface water, and groundwater) OU 06: ROD Date: 06/12/2020, Status: Final NPL (soil) OU 07: ROD Date: 09/15/2014, Status: Final NPL (soil) OU 08: ROD Date: 11/21/2012, Status: Final NPL (soil) OU 09: ROD Date: 05/27/2013, Status: Final NPL (soil and surface water) OU 10: ROD Date: 09/28/2018, Status: Final NPL (soil) OU 11: ROD Date: 03/12/2015, Status: Final NPL (soil and groundwater) OU 12: ROD Date: 09/28/2018, Status: Final NPL (soil) OU 13: ROD Date: 09/20/2017, Status: ROD

Facility/Address	Database/ List	Location Relative to the Subject Property	Environmental Concerns/Information
SBMR (US Army) Schofield Barracks Schofield, HI 96857	Delisted NPL SEMS ROD	0 – ⅛ mile of southwest (lower elevation / hydraulically downgradient)	EPA ID: HI7210090026 Deletion date 08/10/2000 OU 01: Status: deleted from Final NPL in 1996 OU 02: Status: deleted from the Final NPL in 1999 (groundwater) and 1997 (sediment) OU 03: Status: deleted from the Final NPL 1997 (sediment) OU Possible TCE Sources: ROD Date: 01/24/1996, Status: deleted from Final NPL OU Basewide Misc: ROD Date: 11/08/1996, Status: deleted from the Final NPL OU Landfill: ROD Date: 09/26/1996, Status: deleted from the Final NPL OU Groundwater: ROD Date: 02/07/1997, Status: deleted from the Final NPL
Tropic Regions Test Center SBMR	DoD	0 – ⅛ mile south southeast (higher elevation/ hydraulically downgradient)	Active Army Base
Wheeler Army Airfield	DoD	0 – ⅛ mile south southwest (higher elevation / hydraulically upgradient)	Active Army Base

Note: Schofield Barracks encompasses over 17,725 areas; only sites within 1/8 mile of the subject property are listed in the table above.

No unmapped sites were identified during this records search.

4.2 Other Information Sources

The following sections describe information obtained from other information sources.

4.2.1 Government Agencies File Review

Requests were submitted to access public information for the subject and adjacent properties, as shown in Table 4-3.

Table 4-3: Government Agencies Information Requests

Agency	Contact	Notes:
HDOH Clean Water Branch (CWB)	Ms. Jennifer Doi, Environmental Health Specialist	No records were found for the subject or adjacent properties.

Agency	Contact	Notes:
HDOH HEER Office	Ms. Rosa Iu, Public Records Contact	No records were found for the subject or adjacent properties.
		SBMR Installation Restoration Program (IRP) Groundwater, located approximately 825 ft to the south of the subject property In 1985, trichloroethylene (TCE), a commonly used cleaning solvent, was detected in the SBMR water supply wells. As a result, the site was placed on the EPA NPL in August 1990. Four OUs (OU 1 through OU 4) were defined as part of the SBMR NPL site. • OU-1 consists of 12 on-post sites that were identified as the most likely sources of the TCE contamination detected in the SBMR water supply wells. No potential source for groundwater contamination was found at any of these sites, and none of them posed a risk to human health or the environment through any other pathway. A No Action ROD for OU-1 was signed on 01/26/1996. • Kunia Village Air Stripper Treatment System and Villa Rose Farm Carbon Filtration System (OU-2) address groundwater contamination originating from SBMR, which affects the Villa Rose Farm well. SBMR continues to actively treat the contaminated groundwater in the area. The selected remedy involves several key components: o Contaminants of concern (COCs) found in the extracted groundwater from the SBMR Supply Wells are being addressed through air stripping at the wellhead. The treated water is then reintegrated into the distribution system. o Before any decisions are made regarding the abandonment of the SBMR water supply wells, the Army is required to consult with both the EPA and the State of Hawaii. This is crucial, as continued production from these wells is essential for managing plume migration effectively. o Perform long-term sampling and analysis of water supply wells, agricultural wells, and monitoring wells in the region. o Implement the contingency of wellhead treatment on any water supply wells that are impacted by the plume from SBMR above one-half of the Maximum Contaminant Level as established under the Safe Drinking Water Act. o Upgrade the treatment system or pay any incremental costs for treatment caused by contamination from SBMR at wells that already have a treatment system in place. The remedy at OU-2 is protective of human health and the environment. The Air Stripper Treatment Systems and Carbon Filtration System implemented to treat groundwater are effectively mitigating the risk to human health and the environment by removing carbon tetrachloride (CCl4) and TCE from the groundwater supply wells, and groundwater sampling and analysis are conducted in accordance with the 2020 Long-Term Management Plan for OU-2. • OU-3 consisted of potential small waste sites at SBMR. No contaminants posing a risk to human health or the environment were found. A No Action ROD for OU-3 was signed on 11/08/1996. • Former Landfill (FFA 7) (OU-4): A Final ROD for OU-4 was signed on 09/26/1996. The components of the selected remedy include: o Regrade existing landfill cover to match the 1983 engineered drainage grade. o Perform long-term maintenance of landfill cover.

Agency	Contact	Notes:
		o Maintain existing landfill gas venting. o Install additional gas monitoring points at the perimeter of the landfill. o Long-term monitoring of groundwater is performed using existing monitoring wells. o Implement land use controls (maintenance of existing fence, warning signage, site security). The remedy at OU 4 currently protects human health and the environment because the regraded landfill cover is preventing surface water infiltration through the landfill, and maintenance of the vegetated cover, perimeter fencing, and warning signage are limiting direct contact with potential CCl4 and TCE in landfill contents left on-site. In addition, groundwater monitoring is conducted in accordance with the 2020 Long-Term Management Plan for OU 4. However, due to the historical use of OU 4 and the potential presence of PFAS at the site, the Army must complete an assessment for PFAS at OU 4 to ensure the future protectiveness of the remedy in the long-term.
	iHEER	Adjacent to the east: 567 Avocado Street Used Oil AST – Brownfields Low Priority Site, no additional records were available.
HDOH Solid and Hazardous Waste Branch (SHWB)	Ms. Amy Susana Liana, Office Assistant	Hazardous Waste Section: No records for the subject or adjacent properties were found.
		Solid Waste Section: No records for the subject or adjacent properties.
		UST Section: No records for the subject or adjacent properties.
HDOH Indoor and Radiological Health Branch (IRHB)	Mr. Reuben L. Bilan, MPH, Supervisor – Toxic Substances Control Act (TSCA) Asbestos and Lead Program	On July 1, 2010, a notification regarding asbestos in relation to the demolition and renovation of a two-story building located between 525 and 535 Avocado Street (Notification No. 2010-0280) was documented for the subject property.
HDOH Safe Drinking Water Branch (SDWB)	Ms. Iris Van Der Zander, Geologist	No records were found for the subject or adjoining properties.
HDOH Wastewater Branch (WWB)	Ms. Lori Morikami, Planner	Subject Property, 525 Avocado Street, TMK: (1) 7-4-001:025 • The property appears to be connected to the CCH sewer system. Adjacent Property: 514 Avocado Street, TMK: (1) 7-4-001:009 • The property appears to be connected to the CCH sewer system. Adjacent Property: 538 Avocado Street, TMK: (1) 7-4-001:022 • The property appears to be connected to the CCH sewer system. Adjacent Property: TMK: (1) 7-4-001:003 • No building/dwelling, so it is unknown if the property is connected to the CCH sewer system. Adjacent Property: 505 Avocado Street, TMK: (1) 7-4-001:026 • The property appears to be connected to the CCH sewer system.
DLNR Commission on Water Resources Management (CWRM)	Mr. Jonas Burgon, Engineer Technician	The Wahiawa Municipal wells are located within 1/8 mile of the subject property hydraulically upgradient. The depth of water in the area is approximately 270 ft above msl. • Well ID: 3-2901-011, Name: Wahiawa I-1 Location: 0-1/8 mile east southeast, Type: municipal well, Water Depth: 272.9 ft.

Agency	Contact	Notes:
DLNR CWRM	Mr. Jonas Burgon, Engineer Technician	• Well ID: 3-2901-012, Name: Wahiawa I-2, Location: 0-1/8 mile east southeast, Type: municipal well, Water Depth: 279 ft. • Well ID: 3-2902-001, Name: Wahiawa II-1, Location: ¼ to ½ mile south, Type: municipal wells, Water Depth: 275 ft, Contamination: 0.87 parts per billion (ppb) of TCE on 05/01/2019. • Well ID: 3-2902-002, Name: Wahiawa II-2, Location ¼ to ½ mile south, Type: municipal well, Water Depth: 272 ft, Contamination: 0.87 ppb of TCE on 05/01/2019. Other wells within 1-mile of the subject property are used for irrigation, observation, or agriculture, as listed below: • Well ID: 3-2801-002, Name: Schofield MW2-4, Location: ½ to 1 mile south, Type: observation well, Water Depth: not listed. • Well ID: 3-2901-002, Name: Schofield Batt, Location: ¼ to ½ mile south, Type: observation well, Water Depth: not listed. • Well ID: 3-2901-003, Name: Schofield Batt, Location: ¼ to ½ mile south, Type: military use, Water Depth: not listed. • Well ID: 3-2901-004, Name: Schofield Batt, Location: ¼ to ½ mile south, Type: military use, Water Depth: not listed. • Well ID: 3-2901-005, Name: Schofield, Location: ¼ to ½ mile south, Type: abandoned lost well, Water Depth: 300 ft. • Well ID: 3-2901-006, Name: Schofield Batt Location: ¼ to ½ mile south southeast, Type: military use, Water Depth: not listed. • Well ID: 3-2901-007, Name: Schofield Batt Shaft Entrance, Location: ¼ to ½ mile south, Type: not listed, Water Depth: 550.1 ft. • Well ID: 3-2901-008, Name: Wahiawa I-3, Location: 0-1/8 mile east southeast, Type: observation well, Water Depth: 275 ft. Contamination: 1 ppb of TCE on 10/03/2007. • Well ID: 3-2901-009, Name: Wahiawa I-2, Location 0-1/8 mile east southeast, Type: unknown use, Water Depth: 275 ft. • Well ID: 3-2901-010, Name: Schofield Bat, Location: ¼ to ½ mile south, Type: military use, Water Depth: not listed. • Well ID: 3-2903-001, Name: Schofield, Army MW2-2, Location: ¼ to ½ mile south, Type: observation well, Water Depth: 272.38 ft.

4.3 Vapor Encroachment Screening

The EDR Radius Map initially searched all standard government record databases and EDR historical records within the ASTM E1527-21 recommended radii. The sites related to former dry cleaners, gas stations, and manufactured gas plants that met the vapor encroachment screening (VES) criteria provided by the ASTM E2600-10 *Standard Guide for Vapor Encroachment Screening of Property Involved in Real Estate Transactions* (ASTM 2010) were reviewed.

The regulatory database search of those sites for recorded releases of COPCs within the 1/3-mile and 1/10-mile approximate minimum distances defined in ASTM E2600-10 for vapor encroachment from contaminants of potential concern (COPC) contaminated sites was conducted. This measurement is based

on the distance from the known or suspected contaminated property to the property boundary. E2's review of EDR's database search for potential vapor encroachment conditions (VECs) considers the following factors:

- The land use of the property;
- Type of COPC(s);
- The location of known or suspected contaminated property is within the area of concern;
- Characteristics of the soil;
- Depth to groundwater;
- Vapor conduits that may result in significant preferential pathways; and
- Cleanup status of contaminated property.

Potential VECs evaluated included all RECs, including HRECs and CRECs, with identified releases of petroleum products or other potentially volatile contaminants of concern.

As is provided by ASTM E2600-10, E2 also considered the predicted hydrogeological gradient around the property when determining the potential for VECs to impact the site.

The subject property has several sites within the recommended search radius that may contribute to VES, including several underground storage tanks, leaking fuel tanks, and drycleaning facilities. Only one site identified as a potential hazard is the Crystal Cleaners located at 1640 Wilikina Drive; however, no reported releases have been reported; therefore, no potential VES. The report is included in Appendix D.

4.4 Historical Use Information

4.4.1 Standard Historical Sources

Historical use information for the subject and adjacent properties was obtained by reviewing the historical sources listed in Table 4-4. A discussion of RECs and/or environmental concerns identified as a result of the review of standard historical sources is included in Section 7 of this report.

Table 4-4: Historical Sources Reviewed

Source Type	Year Reviewed	Source	Environmental Concerns/Notes:
Environmental Lien and AUL Searches	2013	(EDR 2025b)	The current parcel is a portion of Parcel 46 of the "Clark Tract" and is identified as a portion of Lot C of land patent 4616 granted to Mary E. Clark.
			Warranty Deed on 09/09/2013 from Avocado Street, LLC to Angelo's Auto Body & Detailing, LLC
Property Tax Map Reports	No Coverage	(EDR 2025c)	No coverage
	2025	(CCH 2025)	The east side of the property shows a roadway and drainage easement (750 square ft)

Source Type	Year Reviewed	Source	Environmental Concerns/Notes:
State of Hawaii Department of Accounting and General Services (DAGS)	1899, 1902, 1905, 1916, 1922, 1926, 1934, 1935, 1936	(DAGS 2025)	1899: Register No. 1941 – Public Lands Map No. 25, Wahiawa, Waialua, Oahu by M.D. Monsarrat (Monsarrat), Surveyor. Subject property is a portion of Lot 1.B of Grant 4616 (Copy of Survey Furnished [CSF] 7346); the owner is Mary E. Clark. The parcel is undeveloped and bounded by Old Road (future Colony Road) to the west, an unnamed road is to the northeast, Lot 4 of Grant 4616 to the southeast (Addie O. Clark-owner), and the remainder of parcel 1.B to the northeast.
			1902 and 1905: File Plan (FP) 002 and FP 004 - No change to the subject property. The future Avocado Road is shown adjacent to the northeast. Lot 4 now belongs to L.G. Kellogg.
			1916: FP 160 – No change to the subject property. Avocado Road bounds the site to the northeast and ends at the intersection of Walker Avenue. Lot 4 now belongs to Mary E. Clark. FP 165 – This map shows more to land the west and south. The site is part of Clark Tract. Avocado Road now intersects Colony Road to the west. A small bridge crosses the South Fork of Kaukonahua Stream and connects to the south end of Colony Road. The Clark Tract Addition, located on the west side of Colony Road has been subdivided into 34 parcels.
			1922: Hawaii Territorial Survey (HTS) Plat 1922 – No change to the subject property. Land to the east of the subject property has been subdivided.
			1926: CSF 4590 – There was a property exchange for approaches to the new bridge (A.A. Wilson Bridge), to replace the "Old Bridge" on the south end of Colony Road.
			1927: FP 0266 – Land subdivision expanded eastward.
			1934: CSF 7346-7347 – The Territory of Hawaii exchanges land with the Wahiawa Water Co., Ltd. No change to the subject property. Colony Road is now a portion of Kamehameha Highway.
			1935: CSF 7350: The A.A. Wilson Bridge crossing the Wahiawa Reservoir South Fork is completed.
Aerial Photographs	1962, 1972, 1977, 1985, 1992, 2001, 2002, 2004, 2006, 2007, 2011, 2013, 2014, 2016, 2017, 2019, 2022, 2024	(EDR 2025d) (Google Earth 2025)	1962: Subject property: The site is covered by trees. Adjacent: Portions of the commercial development and church on the north side of Avocado Street are visible. 567 Avocado Street (future Island Power site) is developed.
			1972: No significant change.
			1977: Subject property: Subject property: Two structures are visible, the "Gas and Oils" building on the west side of the site and the small building in the middle of the site. The east side of the subject property is covered by trees. Adjacent properties: The former "Tire Service and Used Auto Sales" building on the west adjacent site, the commercial building and church on the north side of Avocado Street, and the "Island Power" building are present.

Source Type	Year Reviewed	Source	Environmental Concerns/Notes:
Aerial Photographs			1985, 1992, 2001: Subject property: Three structures are visible, the "Gas and Oils" building on the west side of the site, the small building in the middle of the site, and the building to the east. The former "Sewage Pump House" formerly located on the far eastern portion of the site remains undeveloped. Cars are parked adjacent to the west and middle buildings and along the road in front of the eastern half of the site. Adjacent properties: A new commercial building on the west adjacent site and a new commercial building to the north across Avocado Street were constructed sometime after 1977. The existing church to the north has a new addition to the south side of the building. The "Island Power" building (567 Avocado), adjacent to 555 Avocado Street is visible; however, encroachment onto the 555 Avocado begins in the 1992 photo.
			2001-2002: Photos are unfocused; however, the vague shapes of the three structures can be seen.
			2004: Subject Property: Three structures are present, the one to the east appears to be a car sales office. Adjacent: Island Power Hawaii, Inc. (Island Power [567 Avocado]) is encroaching on the undeveloped property to the east of the subject property (555 Avocado). The commercial building and church properties across Avocado Street to the north appear unchanged.
			2006: Subject Property: Three structures are present, the one to the east appears to be a car sales office. Adjacent: Island Power (567 Avocado) is encroaching on the undeveloped property to the east of the subject property (555 Avocado). The commercial building and church properties across Avocado Street to the north appear unchanged.
			2011-2012: Subject Property: Same three structures in place. The car sales building to the east has expanded its car sales lot to cover all of the open paved areas, except for the martial arts building portion of the site. Adjacent: Island Power (567 Avocado) has encroached on the undeveloped adjacent property (555 Avocado) up to the east boundary of the subject property. The commercial building and church properties across Avocado Street to the north remain unchanged.
			2014 August: Subject Property: Two structures remain in place; the middle structure has been removed. The open paved areas appear empty of cars, with the exception of the east end of the site. Adjacent: No significant change. 2014 December: Subject Property: The open paved area on the east side appear to be used for truck parking and maybe container storage. The car sales activities appear to have shifted to the center of the site. Adjacent: No significant change.
			2016: Subject Property: The open paved areas appear empty of cars, with the exception of the north side of the property, where cars are parked. Adjacent: No significant change.

Source Type	Year Reviewed	Source	Environmental Concerns/Notes:
Aerial Photographs			2017 and 2019: Subject Property: The concrete pad is visible on the south side of the site between the two existing buildings. Storage containers are placed adjacent to the exposed front of the west building. There are only one truck and one car on the site. Adjacent: No significant change.
			2020-2023: Subject Property: No significant change except for the storage containers were removed and the site appears vacant and secured with a chain link fence. Adjacent: Soil from runoff is visible surrounding the telephone pole in front of the adjacent undeveloped (but encroached by Island Power) property to the east. No significant change to the remaining adjacent properties.
			2024 October, Aerial and Street View: Subject Property: Three ruined structures, a storage container, solid waste, and several vagrants are shown on the site. Two utility poles with three pole-mounted transformers each, are in front of the site. Soil and stained pavement is present along Avocado Street, associated with runoff from the Island Power site. The fence is no longer in place. Adjacent: The adjacent undeveloped site to the east (555 Avocado) is fenced off and used for abandoned equipment storage by Island Power (557 Avocado). Ponding is evident at the base of the Island Power driveway on Avocado Street. The site slopes down from the shop/office towards Avocado Street. Soil from runoff is visible surrounding the telephone pole in front of the adjacent undeveloped (but encroached by Island Power) property to the east. Ponding is also evident in front of the church (554 Avocado). Storm drains, if present, are not visible in the photo. No significant change to the remaining adjacent properties
Fire Insurance Maps	1942, 1957, 1974, 1981, 1990, 1991	(EDR 2025e)	1942: Subject property - A Sewage Pump House (541 Avocado - no building records at the CCH) is located on the east end of the subject property. The pump house is 8-foot high and is constructed of concrete blocks. Adjacent properties –To the east (567) and west (501) are undeveloped parcels. A pavilion (531) is on property adjacent to the south, on the top line of the steep bank. To the north across Avocado Street there are three parcels: a large narrow parcel with a store/grocery warehouse and a dwelling (502 Avocado); small church (554) (also present on the 1936 USACE Wahiawa Topo Map); and an undeveloped parcel. Nearby - South Kamehameha Highway runs to the north, adjacent to the undeveloped adjacent parcel to the west (501 Avocado) and crossing over a steel and concrete bridge to Wilikina Drive and the military reservation to the south.

Source Type	Year Reviewed	Source	Environmental Concerns/Notes:
Fire Insurance Maps			1957: Subject property - There are now three structures on the site; the "Sewage Pump House" (541) located on the east side of the subject property, a "Gas and Oil" building (525 – built in 1955 according to the CCH) on the west side, and a small structure in the middle (525A – built in 1953 according to the CCH). Adjacent properties – Parcels to the east (557) and west (501) remain undeveloped and the pavilion (531) to the south is no longer shown. To the north across Avocado Street there are now two parcels: the large narrow parcel (502 Avocado) remains unchanged and the small church parcel (554) and undeveloped parcel have been consolidated and are occupied by a large "U-shaped" church. Nearby - Unchanged.
			1974: Subject property - The "Sewage Pump House" has been removed, the "Gas and Oils" building remains, and two small buildings are present, 529 and 535 Avocado Street. Adjacent properties – To the east (557) remains undeveloped and to the west is a "Tire Service Used Auto Sales" building (501 and 510 Avocado and 220 S. Kamehameha Highway). Properties to the north across Avocado Street remain unchanged. Nearby – The A.A. Wilson bridge has been replaced and is now labeled part of State Hwy 80.
			1981: Subject property – No change. Adjacent properties – To the east (557) remains undeveloped and the "Tire Service Used Auto Sales" building (501 and 510 Avocado and 220 S. Kamehameha Highway) has been removed. To the north across Avocado Street the store/grocery warehouse and dwelling on the narrow parcel have been replaced with a commercial building; the church property remains unchanged. Nearby – No change.
			1990 and 1991: Subject property – No change, except the building on the east side is now labeled "Used Auto Sales". Adjacent properties – To the east (557) remains undeveloped and a new commercial building is present toward the back of the property (501 and 510 Avocado and 220 S. Kamehameha Highway). No change on the properties to the north across Avocado Street. Nearby – No change.
USGS Topo Maps (Schofield and Wahiawa Quadrangles)	1929, 1953/1954, 1959/1960, 1966/1967/1968, 1970, 1977, 1983, 1998/1999, 2013, 2017, 2024	(EDR 2025f) (USACE 1936) (USACE 1943)	1929-1943: Avocado Street is present. The subject and adjacent properties to the west and east are undeveloped. Properties across Avocado Street to the north are occupied by one structure, likely a dwelling, and a church. The property adjacent to the south is developed, likely a pavilion. The South Fork of Kaukonahua Stream is located to the south. A road with a bridge crosses north over the stream, likely S. Kamehameha Highway, west of the subject property.
			1953/1954-1983: The only details shown on the map are the church and S. Kamehameha Highway/bridge.
			1998/1999: Subject property is located within Wahiawa Homesteads land.

Source Type	Year Reviewed	Source	Environmental Concerns/Notes:
USGS Topo Maps			2013-2017: No significant features are shown on the subject or adjacent properties on the maps.
Street Directories	1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020 (Avocado Street, S. Kamehameha Highway, Walker Avenue)	(EDR 2025g)	Subject Property Listings: Dyon Nakamura (2020), R G S Ltd Inc. (2020), and William Gualdarama (2020). Adjacent Property Listings: 505 Avocado St: OOGP Inc. (2020, 2017, 2014, 2005, 2000); Somatics (1995), and Wahiawa Chiropractic Center (1995). 538 Avocado St: Church of Jesus Christ LDS (2020, 2017, 2014, 2000). The street directory report is included in Appendix C.
Building Permit Records	1961-2025	(EDR 2025h)	Subject Property building permit records: • 06/25/2010 Demolition of existing two-story commercial building. • 09/13/2021 Alteration to existing Auto Detailing Shop. Adjacent Property building permit records are included in the Building Permit Records included in Appendix C.
	1953, 1955	(CCH 2025)	Commercial Improvement Information: 1953 One-story 945 square foot Office Building (Lone Star Auto) (Commercial C-2 [Mas]) 1955 One-story 1,980 square foot Office Building (Martial Arts) (Commercial C-4 [WD]).
	2010, 2019, 2021, 2022	(CCH 2025)	06/25/2010 Permit No. 657962 Demolition of Two-story commercial building Subject Property Permit Information: 08/07/2019 Permit No. 836446 Demolition of Masuoka Bldg. #3 (Detailing Building) (Foundation to be removed) 09/13/2021 Permit No. 869212 Alteration 02/06/2022 Permit No. 0008332, Fire Damage on Office Unit
State of Hawaii GIS Maps	1900, 1920, and 1937	(HDOH Environmental Health 2018)	The subject and adjacent land areas are not shown in sugarcane-cultivated areas.
Historical Maps	1881	(Lyons 1881)	No significant features are shown in the area of the subject property.
	1902	(Donn, John M 1902)	The subject property is with land labeled “U.S. Military Reservation” and within Pineapple lands.
	1959	(USARHAW 1959)	The subject parcel appears to be potentially directly adjacent to the SBMR East Range, but it is possible it is within the boundary.

4.5 Previous Environmental Reports

No previous environmental investigations were found for the subject and adjacent property.

4.6 Summary of Historical Land Use

Wahiawa District is on an island surrounded by the north and south forks of the Kaukonahua Stream (Wahiawa Historical Society [WHS] 2018). Wahiawa has historically been in agricultural use, led by demand for cash crops like sugarcane and pineapple.

Through the enactment of the Land Act of 1895, the land of Wahiawa was withdrawn from cattle grazing leases and offered for sale to farmers interested in diversified farming. Bryon O. Clark (Clark) and government officials visited this 1,350-acre tract of land designated for homesteading on January 1, 1898. Clark wrote to friends in California, encouraging them to apply for one of the allotments for homesteading. Twelve applied and by the spring of 1899 the last of the colonists were settled on their land for the required three years (Lormand 2018).

The settlers built a one-lane bridge across the North Fork of Kaukonahua Stream, constructed homes, laid out roads, obtained water rights, and built a store and post office. In a very short time the homesteaders had a community and formed a settlement association known as the Hawaii Fruit and Plant Company. Around 1902, the area became known as the Wahiawa Colony Tract. They cleared the land and planted their required fruit trees and crops. Although hundreds of fruit trees were planted, the area seemed to be perfect for the cultivation of pineapple (WHS 2018).

Alfred W. Eames founded the Hawaiian Island Packing Company and built his first cannery in the Wahiawa heights area in 1902. This company was later known as Del Monte Fresh Produce (Hawaii) Inc. Another homesteader and planter, Will P. Thomas, operated under the Thomas Pineapple Company, which in 1917 following his death, became Libby McNeill & Libby of Honolulu (Lormand 2018).

In July of 1900, James Drummond Dole was high bidder of a government auction for the 61 acres of land that was given up by one of the original homesteaders. He built a cannery next to his pineapple fields in Wahiawa and packed his first cans in 1903. Today his Hawaiian Pineapple Company is known as Dole Food Company, Hawaii (Dole). By 1904, Wahiawa was known as "The City of Pines" and was considered the "hub" of the pineapple industry in the world (Lormand 2018).

By 1906, the pineapple farmers were having difficulties in getting their crop to market. The Settlement Association voted to give a free depot and railroad yard to the Oahu Railway and Land company as an enticement for the railway to extend the railroad tracks from Waipahu Mill into Wahiawa. This extension was 9.4 miles long and helped the Hawaiian Fruit and Plant Company to get their freight into and out of Wahiawa. The first train passed over the rails on July 11, 1906 (WHS 2018).

The construction of the Wahiawa Irrigation System (WIS) commenced in 1906 when the Waialua Sugar Company (WSC), a subsidiary of Dole, required water for their sugarcane and pineapple fields in the North Shore region of Oahu. This extensive system comprises not only the reservoir and dam but also an irrigation ditch network spanning 30 miles. Leveraging the natural topography of the Kaukonahua Gulch, the dam harnesses water from the surrounding watershed, ensuring a reliable water supply for agricultural endeavors downstream. Two Wastewater Treatment Plants (WWTP), Wahiawa and Schofield Barracks, discharge R-2 water into the reservoir, which is only acceptable for some agricultural and recreational uses. Dole owns the majority of the WIS in fee or via easement and has co-ownership of portions of the dam and lake/reservoir with SHI (Leeward Community College 2025).

The new District of Wahiawa was created in 1913; bordered by the Waianae and Koolau mountain ranges, it consists of land taken from the Waialua and Ewa districts (Lormand 2018).

In 1926, the Virginia Bridge & Iron Company of Roanoke, Virginia built the steel bridge across the South Fork of Kaukonahua Stream. The bridge opened to traffic on January 21, 1927. The bridge was named for A. A. Wilson (WHS 2018).

Prior to the Statehood the first signed highways within Hawaii Territory came into existence during World War II (WWII). During WWII the territory of Hawaii saw an influx of military activity following the attack on Pearl Harbor on December 7th, 1941. Numerous Military Routes and early Hawaii Routes were signed through the Hawaiian Territory to aid military personnel in navigating the islands. Military Highways were assigned U.S. Route style shields whereas lesser highways were assigned an early variation of what is now the Hawaii Route Spade. The Kamehameha Highway through Wahiawa is assigned on the 1946 Army Map as part of Military Route 1 (Challenger 2022).

During WWII, Wahiawa experienced extensive military development, occupying significant land areas. Schofield Barracks and Wheeler Army Airfield serve as vital centers for military training, logistics, and defense operations; following World War II, urbanization and suburban development expanded in the area.

In 1948, when “Wilson” Bridge was 21 years old, there was talk about replacing it. But nothing happened until the bridge was 50 years old (WHS 2018).

Circa (c.)1955 following the conclusion of World War II the U.S. Bureau of Public Roads renumbered the Hawaii Route System. The Hawaii Routes were assigned in sequence for what Island/County they were located on coupled with what Federal Aid Program number they were tied to. In the case of Oahu the Island was assigned numbers in the range of 60-99. Hawaii Route 80 was assigned to the Kamehameha Highway from Hawaii Route 99 through Wahiawa north to Hawaii Route 82 and onwards to Hawaii Route 99 via Kaukonahua Road (Challenger 2022).

The four lane span taking Route 80 (Kamehameha Highway) north over the Kaukonahua Stream South Fork was started by C. K. Moseman Construction Company on March 14, 1977. The six-lane bridge was scheduled to be completed by November 9, 1979, but due to problems with an unstable foundation, it was finally opened for traffic in the spring of 1984 (Challenger 2022).

This page intentionally left blank.

.

Section 5 Visual Site Inspection

5.1 Methodology and Limitations

The VSI was conducted by Ms. Bernice Balete, Ms. Maya Matsuoka, and Mr. John Ellis of E2 on June 20, 2025, and included a brief survey of visible portions of the adjacent parcels from public access areas. Site photographs are included in Appendix A.

5.2 General Observations on the Subject Property

At the time of the VSI, the subject property was occupied by vagrants, however, DLNR Division of Conservation and Resources Enforcement (DOCARE) Police had temporarily removed all vagrant occupants from the subject property. Stormwater drainage features observed within the property appeared to discharge directly to the adjacent Wahiawa Reservoir parcel to the south of the subject property. Evidence of vagrant activities observed throughout the subject property include residential furniture and appliances, cooking appliances and utensils, municipal solid waste. Solid waste associated with vagrant and/or illegal dumping activities was observed throughout, with a higher concentration observed within the central portion of the subject property.

Three ruins were observed on the subject property during the VSI:

- 525 Avocado Street contains ruins of a 1,980 square ft single-story commercial/retail structure located on the west portion of the subject property (*herein referred to as 525 Ruins*). The slab-on-grade concrete masonry unit (CMU) structure has no roof or ceiling. Vagrant activity and municipal solid waste (MSW) were observed within and around the structure.
- 535 Avocado Street consists of two ruins:
    - Ruins of a 945 square ft single-story commercial/retail structure was located on the north central portion of the subject property (*herein referred to as 535 Ruins*). The slab-on-grade CMU structure has no roof or ceiling other than a wood frame. Vagrant activity and MSW were observed within and around the structure.
    - Ruins of an approximately 380 square ft partially-built carport/garage structure was located on the south-central portion of the subject property (*herein referred to as 535A Ruins*). The slab-on-grade CMU structure has no roof or ceiling. A CMU retaining wall south of the structure along the property boundary is leaning south towards the adjacent property and may be near its failure point. A large crack is visible in the CMU-wall above the vehicle entrance on the west side of the structure, likely a result of settling or ground movement associated with the movement of the retaining wall.

A 20-ft shipping container was observed within the northwest portion of the subject property and was inaccessible during the VSI. The contents of the shipping container are unknown.

Table 5-1 below summarizes the observations made during the VSI.

Table 5-1: Summary of Visual Site Inspection Observations

Feature	Observed?		Comment, Location, and/or Description
	Yes	No	
General Description of Current Structures (age, stories, ancillary structures [if any])	✓		• 525 Ruins consists of a single-story slab-on-grade CMU structure.
	✓		• 535 Ruin and 535A Ruin, two single-story slab-on grade CMU structure. A large crack was observed in the west wall of the 535A Ruin. • A CMU retaining wall along the south border; a portion of which is leaning into the adjacent property and may be near its failure point.
Structures (evidence of former)		✓	
Source of Potable Water	✓		• A connection to the CCH Board of Water Supply (BWS) municipal water system was observed.
Sewage Disposal System	✓		• A connection to the CCH sanitary sewer system was observed.
Power to Subject Property	✓		• Overhead connections to Hawaiian Electric Company, Inc. (HE) poles were observed for two of the ruins.
Interior and Exterior Observations			
Hazardous Substances and Petroleum Products in Connection with Identified Uses		✓	
Hazardous Substances and Petroleum Products (Not Necessarily in Connection with Identified Uses)	✓		The following items were observed within Ruins 525: • A gasoline-powered weed trimmer and pressure washer • A 3-gallon bucket of hydraulic fluid stored upside-down • A 5-gallon bucket of Super Diamond Clear High-Solids Cure and Seal for concrete • An open 5-gallon bucket of paint • Multiple open plastic gas cans of various sizes within and around the structure • Two 43-pound forklift propane tanks • A lead-acid automotive battery
Evidence of ASTs		✓	
Evidence of USTs (*e.g.,* fill pipes, vent pipes, concrete patching)		✓	
Drums, Totes, and/or Unidentified Substances Containers		✓	
Odors (strong, pungent, or noxious odors)	✓		• Odors associated with human sanitary waste were observed within and around the structures.
Pools of Liquid (standing water)		✓	
PCBs	✓		• Three pole-mounted transformers (63639, 63642, 63644) were observed immediately adjacent to the north of the subject property along Avocado Street. All three transformers were marked "No PCBs." • Three pole-mounted transformers (75155, 75158, 75159) were observed immediately adjacent to the northwest of the subject property along Avocado Street. All three transformers were marked "No PCBs." • Three pole-mounted transformers (88773, 88775, 88777) were observed adjacent to the northeast of the subject property along Avocado Street. All three transformers were marked "No PCBs."
Heating/Cooling (including fuel source)		✓	
Evidence of Leaks, Spills, or Releases		✓	
Drains and Sumps	✓		• Several floor drains were observed in exterior areas within the west portion of the subject property.
Unknown feature(s)		✓	

Feature	Observed?		Comment, Location, and/or Description
	Yes	No	
Exterior Observations			
Pits, Ponds, or Lagoons		✓	
Stained Soil or Pavement	✓		• Petroleum staining was observed in exterior areas within the west portion of the subject property.
Stressed Vegetation (from something other than insufficient water)		✓	
Solid Waste (non-natural fill, trash, construction debris, demolition debris, or other solid waste disposal)	✓		• Solid waste (construction and demolition [C&D] debris, MSW, tires and other automobile parts, bicycles and associated parts, appliances, e-waste, etc.) associated with vagrant and/or illegal dumping activities was observed throughout the subject property.
Waste or Wastewater Discharges (wastewater or other liquid [including storm water] or any discharge into a drain, ditch, underground injection system, or stream on or adjacent to the property)	✓		• Several drainpipes extend out from the southern retaining wall and drain and into the adjacent property to the south (Wahiawa Reservoir). • Wastewater discharge associated with bathing activities was observed within the bathroom of the 525 Avocado Street ruins. Water drains via sheet flow to exterior areas of the ruin.
Wells (including dry wells, irrigation wells, injection wells, abandoned wells, or other wells)		✓	
Septic System (on-site septic systems or cesspools)		✓	
Other	✓		• Vagrant activities were observed.
	✓		• A shipping container was observed on the parcel, between the ruins on 525 and 535 Avocado Street. Locked and unable to inspect its contents during the VSI.

5.3 Adjacent Property Observations

Adjacent properties that were visible from the subject property and public areas were inspected for environmental concerns (e.g., conditions observed near or adjacent to the subject property that could affect the subject property). The following was observed:

- Vagrant and/or illegal dumping activities were observed within the Wahiawa Reservoir parcel adjacent to the south of the subject property. Improvised shelters, large amounts of MSW, C&D, petroleum products, and hazardous substances were observed on the hillside within the adjacent parcel.
- Several large derelict portable generators associated with the nearby Island Power Hawaii, Inc. parcel were observed stored within the Wahiawa Reservoir parcel immediately adjacent to the east of the subject property.

This page intentionally left blank.

Section 6 Interviews

6.1 Interviewed Parties

E2 interviewed the following individuals listed in Table 6-1 regarding the past and current use and activities on the subject and adjacent properties.

Table 6-1: Interviewed Parties

Name	Affiliation	Role
Mr. Bradon J. Kim, P.E.	Project Engineer with DLNR Engineering Division • Property will be acquired at appraised price or through condemnation.	User Representative
Ms. Jennifer Doi	Environmental Health Specialist with HDOH CWB	Local Government Agency File Review
Ms. Rosa Iu	Public Records Contact for the HDOH HEER Office	Local Government Agency File Review
Ms. Amy Susana Liana	Office Assistant for the HDOH SHWB	Local Government Agency File Review
Mr. Reuben Bilan, MPH	Supervisor, TSCA Asbestos and Lead Program for the HDOH IRHB	Local Government Agency File Review
Ms. Lori Morikami	Planner for the Planning & Design Section for the HDOH WWB	Local Government Agency File Review
Mr. Jonas Burgon	Engineer Technician for the DLNR CWRM	Local Government Agency File Review

6.2 Interview Findings

Additional information obtained during interviews is included in the pertinent sections of this report.

This page intentionally left blank.

Section 7 Findings and Opinions

A summary of site conditions as identified from the records review and the VSI is outlined in Table 7-1.

Table 7-1: Findings and Opinions

Findings and Opinions	*Determination*				
	REC	CREC	HREC	PEC	*de minimis*
Areawide					
The Wahiawa area was historically used for activities associated with sugarcane and pineapple cultivation, including, but not limited to, sugarcane and pineapple fields, pesticide mixing areas, maintenance facilities, plantation camps, etc. According to Hawaii Revised Statutes (HRS) Chapter 128D Environmental Response Law, the presence of agricultural chemicals does not constitute a release of a hazardous substance. Section 128D-1 of the HRS excludes "any release resulting from the legal application of a pesticide product registered under the Federal Insecticide, Fungicide, and Rodenticide Act." In the absence of evidence indicating otherwise, fertilizers, herbicides, insecticides, nematicides, and fungicides are assumed to have been legally applied to the area. Should the property use change (i.e., commercial or residential use), HDOH guidelines for soil testing on former agricultural lands should be implemented. It is possible that soil, sediment, and/or groundwater at the site have been impacted by historical use due to contaminated runoff.				✓	
The Wahiawa area has a long history of military use with SBMR, SBMR East Ranch, Wahiawa Radio Station, Helemano Radio Receiving Station, Kaukonahua, Wheeler Air Force Base. It is possible based on historic maps that the subject property is directly adjacent to or may have been historically within the boundaries of the SBMR East Range and used by the military in the past. Numerous bases and outposts were established during WWII. These installation operations often involved the use of hazardous substances such as fuels, solvents, and munitions. The potential for soil contamination exists due to past fuel spills, hazardous materials use, and improper disposal of military wastes. Historical activities may have resulted in the leaching of contaminants into groundwater. Chemicals such as petroleum hydrocarbons, lead, and other heavy metals are of particular concern. Areas with historical military activity may still contain unexploded ordnance, necessitating careful site assessments and potential remediation efforts before any construction or excavation work.		✓			
The subject property is situated just outside the TCE and CCl_4 extrapolated plume area associated with the SBMR IRP OU-2 and OU-4. In 2014 an additional groundwater sample analysis found no perfluorinated compounds in the groundwater at SBMR. In August 2020, the site was delisted from the NPL, as the RODs determined that the remedies are expected to be protective of human health and the environment and in the interim, exposure pathways that could result in unacceptable risks are being controlled. For OU-2, the implemented remedy encompasses a comprehensive long-term groundwater monitoring program, alongside the operation and maintenance of the SBMR water treatment plant. Additionally, it includes the management of ASTs at both Kunia Village and Sandwich Isles. The operational and maintenance activities for the air stripping ASTs involve routine tasks such as replacing bag filters biweekly, performing weekly washdowns of one packed air stripper tower, and replacing flow meters and flow sensors as required. Furthermore, quarterly sampling of influent and effluent water is conducted to ensure compliance with environmental standards. For OU-4, the implemented remedy focuses on several key objectives: preventing direct contact with landfill contents, limiting the transport of contaminants to groundwater, managing surface water runoff and erosion, and controlling landfill gas emissions.		✓			

Findings and Opinions	*Determination*				
	REC	CREC	HREC	PEC	*de minimis*
Subject Property					
TMK (1) 7-4-001: Parcel 025, 525 Avocado Street (Previous Site Addresses 525, 529, 535, and 541 Avocado Street)					
Vagrant activities were observed on the subject property during the VSI, characterized by the presence of sanitary waste and various types of solid waste, including MSW and C&D. The specific origins of this waste remain unclear; however, it appears to stem from vagrant activities, illegal dumping, and littering, likely exacerbated by runoff and illegal dumping from adjacent public and private properties. An informal bathing area was identified during the VSI within Ruins 525, with resultant graywater effluent discharged downslope toward external storm drainage infrastructure. The environmental hazards associated with these vagrant activities are significant. Environmental hazards associated with vagrant activities include littering, illegal dumping, and burning of waste materials, including petroleum products and hazardous substances such as various chemicals, electronic waste, and C&D, which may pollute water sources and contribute to soil contamination. Stained soil, small hazardous substances, and petroleum product containers, and evidence of burn pits were observed during the VSI.	✓				
The presence of multiple outfalls and floor drainage structures on the subject property that discharge runoff over piles of solid waste located on and off the property presents a significant environmental concern. This runoff has the potential to contaminate local water bodies, specifically the Kaukonahua Stream, which feeds into the Wahiawa Reservoir. The accumulation and drainage of solid waste may introduce hazardous substances into the water system, posing risks to both environmental health and community safety.	✓				
525 Avocado Street (Historic Address): The property was used as a "gas and oil" station, an auto repair/detailing shop, and a used car lot; contaminants of concern associated with these types of operations (i.e., petroleum products, solvents, and heavy metals, etc.) may have negatively impacted the soil, surface water, and groundwater. The use of oils, solvents, heavy metals, and various automotive fluids over decades may have led to the leaching of these harmful substances into the surrounding environment. Visual inspections and historical usage records indicate large areas of spillage and storage of materials that could pose risks to both on-site and offsite receptors. Although historic maps indicate a potential fueling station, no information regarding USTs, hydraulic lifts, or oil/water separators were found for the subject property and are likely to remain in place at the facility, which, if degraded, could contribute to leaks and further environmental degradation.	✓				
529 Avocado Street (Historic Address): This portion of the subject property parcel was formerly used as retail space and the building was present at the site from c. 1974 to c. 2010). No further information was available.					✓
535/535A Avocado Street (Historic Address): This portion of the subject property parcel previously had two adjacent structures: a large building located at 535 Avocado Road, which faces the street, and another building at 535A, situated directly to its south that faces the river.					✓
In 1989, the HDOH HEER and EDR reported the release of possible PCB-containing transformer oil from a HE Transformer located at 535 Avocado Street the subject property (EDR ID: 110013791432). The release date, quantity, and media affected were not reported. A State On-Scene Coordinator responded, and the spill was issued an NFA.			✓		

Findings and Opinions	*Determination*				
	REC	CREC	HREC	PEC	*de minimis*
<u>*541 Avocado Street (Historic Address)*</u>: A review of historic maps of the subject property indicates the presence of a sewage pump house (541 Avocado Street) on the eastern side of the subject property in 1942. This type of facility was designed to transport wastewater away from populated areas. The eastern portion of the property at 541 Avocado Street was previously used as a sewage pump house and was constructed sometime around 1942 when the area was developed. There is no surface evidence indicating that underground structures associated with the former pump house remain at the site; however, it is possible some may be discovered beneath the ground surface during site redevelopment. The age of the facility suggests the potential presence of hazardous materials, including lead pipes or asbestos insulation.				✓	
<u>*541 Avocado Street (Historic Address):*</u> The property was used as a used car lot on the eastern portion of the subject property parcel (c. 1991 to c. 2016) presents several environmental concerns given its operation, the presence of potential petroleum products and hazardous substances such as motor oil, heavy metals, and other automotive fluids raises significant concerns regarding soil, surface water, and groundwater contamination. The historical use may have introduced pollutants that could affect the surrounding environment and pose risks to human health. Additionally, the existence of aging infrastructure, such as underground storage tanks or leaking waste disposal areas, further exacerbates the potential for environmental liabilities. No records of USTs, hydraulic lifts, or oil/water separators were found for the subject property.	✓				
Improper storage of petroleum products and hazardous substances were observed mainly within the ruins. Many of these substances were improperly stored (i.e., open or on their side); however, due to the small amounts and location within a concrete structure would be considered *de minimis*.					✓
Certain areas of the site, including those beneath the solid waste and within a shipping container, could not be inspected at the subject property.					✓
Adjacent Properties Located Hydraulically Upgradient of the Subject Property					
Goodies Market, 514 Avocado Street, TMK: (1) 7-4-001:009					
Parcel consisted of a 2,473 square ft commercial building (strip mall) and associated parking lot constructed in 1979. Prior to the current building another strip mall and residential dwelling occupied the parcel. E2 did not observe any environmental conditions during the VSI.					✓
The Church of Jesus Christ of Latter-day Saints, 538 Avocado Street, TMK: (1) 7-4-001:022					
The parcel has been developed as a church since at least 1936. The current building was constructed sometime between 1942 and 1957 and remains today. E2 did not observe any environmental conditions during the VSI.					✓
Adjacent Properties Located Hydraulically Crossgradient and Downgradient of the Subject Property					
South Fork of Kaukonahua Stream ROW, Former Address 555 Avocado Street, TMK: (1) 7-4-001:003					
The portion of the parcel located adjacent to the east of the subject property had a former address of 555 Avocado Street and the portion of the Kaukonahua Stream was never developed. Island Power Hawaii, Inc. located adjacent to the west of this parcel is encroaching onto this site. Several large derelict portable petroleum-powered electric generators associated with Island Power Hawaii, Inc. were stored within heavy vegetation in the northeast corner of the subject property.	✓				

Findings and Opinions	*Determination*				
	REC	CREC	HREC	PEC	*de minimis*
Adjacent Properties Located Hydraulically Crossgradient of the Subject Property					
Alya Holding LLC, 505 Avocado Street, TMK: (1) 7-4-001:026					
According to historic maps of the property, this site was used as for "Tire Service" and "Used Auto Sales" The presence of hazardous substances from tires (such as synthetic rubber compounds and metals) and automotive fluids (including oil, brake fluid, antifreeze, and gasoline/diesel fuels) can lead to soil contamination and affect surface water and groundwater quality. The potential for these contaminants to migrate through soil and enter the aquifer poses a significant risk to human health and the environment, particularly due to the proximity to Kaukonahua Stream, which feeds into the Wahiawa Reservoir.					✓
Parcel consisted of an occupied commercial building. E2 did not observe any environmental conditions during the VSI.					✓
Other Sites within 1/8-mile of the Subject Property					
EDR identified several sites located within the search radii and/or those with environmental concerns. The sites identified within 1/8 mile that have the potential to impact the subject property due to material releases or types of materials stored and/or used are as follows: • Two SHWS sites (Island Power Hawaii, Silver Crest Elderly Housing); • One LUST site (Service Motor Co.); • Four RCRA sites were identified within 1/8 mile of the subject property (Island Power Hawaii, Service Motor Co., Walgreens Store #13828, Consumer Tire Warehouse). • One delisted NPL, SEMS, and ROD site (SBMR); and • Two DoD sites (Tropic Regions Test Center SBMR and Wheeler Army Airfield). And although not within 1/8 mile, the following sites with the potential to impact the subject property due to material release are as follows: • Two FUDS sites (Wahiawa School and Hawaiian Medical Depot). • One NPL/SEMS site (NCTAMS EASTPAC).		✓ ✓ ✓		✓ ✓ ✓	
Island Power Company, although not adjacent, is located hydraulically up/crossgradient and is listed as having a used oil AST Release that was issued a SOSC NFA as of July 2014; however, in May 2019 the site was listed as Brownfields Low Priority Site. It is not known if the activities conducted on this site has or is impacting the subject property.	✓				

Section 8 Conclusions and Recommendations

8.1 Conclusions

E2 performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21, *Standard Practice for Environmental Site Assessments* for one parcel of commercial land located at 525 Avocado Street in Wahiawa, Oahu, Hawaii, specifically designated as TMK: (1) 7-4-001: Parcel 025. Any exceptions to, or deletions from, this practice are described in Section 1 of this report.

The assessment revealed RECs, CRECs, and HRECs in connection with the property, which are listed in Tables 8-1, 8-2, and 8-3. PECs, which cannot be definitively categorized as RECs due to insufficient available information required to make a determination, were identified in Section 7.

Table 8-1: Recognized Environmental Conditions

Recognized Environmental Conditions (RECs)	REC Categories		
	Release	Conditions Indicative of a Release	Conditions Posing a Material Threat of a Future Release to the Environment
Vagrant activities were observed on the subject property. Environmental risks linked with vagrancy encompass littering, unlawful disposal, and incineration of waste materials, including hazardous substances like chemicals, electronic waste, and construction debris. These activities have the potential to contaminate water sources and exacerbate soil pollution. Heavily stained soil was also noted during the VSI.		✓	
The property's multiple outfalls and drainage systems pose a significant environmental risk by discharging runoff over solid waste, potentially contaminating nearby water bodies, including Kaukonahua Stream, which flows into the Wahiawa Reservoir. This runoff could introduce hazardous substances into the water, threatening both environmental health and community safety.		✓	
The western portion of the property at 525 Avocado Street was previously used as an auto repair facility and used car lot, raising significant environmental concerns related to potential soil, surface water, and groundwater contamination. This is primarily due to the long-term use of petroleum products, hazardous materials, and heavy metals from automotive activities, which may have leached into the environment. Visual inspections and historical records suggest that there were large areas of spillage and improper material storage, posing risks to nearby receptors. While historic maps hint at a fueling station, there is no documented information regarding USTs, hydraulic lifts, or oil/water separators, which may still be present and pose further risks if they are compromised.		✓	
The eastern portion of the property at 541 Avocado Street was previously a used car lot (c. 1991 to c. 2016), which raises several environmental concerns. The operations may have introduced hazardous substances, such as motor oil		✓	

Recognized Environmental Conditions (RECs)	REC Categories		
	Release	Conditions Indicative of a Release	Conditions Posing a Material Threat of a Future Release to the Environment
and heavy metals, leading to potential soil, surface water, and groundwater contamination. The property could pose risks to human health due to historical pollutants.			
Potential and reported releases of hazardous substances associated with Island Power's 23 year history of unauthorized use of 555 Avocado Street (adjacent to the east side of the site) for storage of generators and other equipment may be negatively impacting the soil and groundwater at the subject property.		✓	
Stormwater runoff and soil from the Island Power site flows onto the adjacent (555 Avocado Street) site and the subject property. It is likely that the runoff and soil are negatively impacted by the long history of industrial use/activities at the Island Power property and the adjacent property they have encroached on for 23 years.		✓	

Table 8-2: Controlled Recognized Environmental Conditions

Category	Controlled Recognized Environmental Conditions (CREC)
Releases/Violations on Nearby Properties	SBMR and Wheeler Air Force Base, TMK: (1) 7-7-001:001, is an active military site established in 1908, and encompasses over 17,725 acres of land. The Army uses several programs to address releases in cooperation with the EPA and HDOH: IRP, Military Munitions Response Program, and Compliance-Related Cleanup Program. It is likely that the subject property was directly adjacent or possibly within the former boundaries of the SBMR East Range. The SBMR is a DoD IRP site that was delisted from the NPL in 2020, as the RODs determined that the remedies in place are expected to be protective of human health and the environment and in the interim, exposure pathways that could result in unacceptable risks are being controlled.
	Opana (OU00) is part of the NPL Site NCTAMS EASTPAC (EPA ID HI1170090053). The OU-00 refers to the sitewide portion of NPL. The No Decision Document was issued for OU-00 Sitewide; the Five-Year Review process started in 2015. The estimated Five-Year Review is estimated to occur between September and November 2025. It should be noted that the OU-00 Sitewide includes the entirety of the NCTAMS EASTPAC facility located approximately 2 miles northeast of the subject property; the EDR Report identified Opana within the North Fork of Kaukonahua waterway.
	FUDS Site Wahiawa School is located ¼ to ½ mile north northeast of the subject property and hydraulically upgradient. After the attack on Pearl Harbor during WWII, Wahiawa Elementary School was used as an emergency hospital.

Category	Controlled Recognized Environmental Conditions (CREC)
	FUDS Site Hawaiian Medical Center is located ½ to 1 mile east of the subject property and hydraulically cross gradient. The site was originally acquired in 1989 and was developed into SBMR in early 1900's. The Hawaiian Medical Depot was a portion of the 13th Replacement Depot which served as a training transfer depot for troops prior to deployment overseas. In 1960, the site was transferred to the State of Hawaii via quitclaim.

Table 8-3: Historical Recognized Environmental Conditions

Category	Historical Recognized Environmental Conditions (HREC)
Releases/Violations on Subject Property	In 1989, HDOH HEER Office and EDR reported a potential release of PCB-containing transformer oil from a transformer at 535 Avocado Street (east side of subject property). Specific details regarding the release date, quantity, and affected media were not provided. A SOSC responded to the incident, and the spill ultimately received a NFA designation.

8.2 Recommendations

E2 recommends conducting a comprehensive geophysical survey of all accessible areas of the property to identify potential anomalies that may indicate the presence of buried utilities or structures. Furthermore, a Phase II ESA should be carried out in general accordance with the HDOH HEER Office guidelines. The Phase II ESA will aim to investigate RECs and PECs identified in this report, as well as any subsurface objects detected during the geophysical survey.

This page intentionally left blank.

Section 9 Qualifications of Environmental Professionals

Qualifications of the Environmental Professionals are included in Appendix E.

This page intentionally left blank.

Section 10 References

ASTM International [ASTM]. 2010. "ASTM Designation E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions." West Conshohocken: ASTM International.

—. 2021. "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Propcess, Designation E1527-21."

City and County of Honolulu [CCH]. 2025. "Real Property Assessment Division Online Records." https://qpublic.schneidercorp.com/Application.aspx?AppID=1045&LayerID=23342&PageTypeID=4&PageID=9746&Q=966988854&KeyValue=740010250000, March 13.

Challenger, Tom. 2022. "Hawaii Route 80." Gribblenation, January 20.

Donn, John M. 1902. "Oahu Island, Hawaii Territory Survey Map, Registered Map 2374." Honolulu: Hawaii Land Survey Division, Department of Accounting and General Services.

Element Environmental, LLC [E2]. 2024. "Proposal - Phase I and II Environmental Site Assessment, 525 Avocado Street, Tax Map Key (1) 7-4-001:025, Wahiawa, Oahu, Hawaii." Prepared for G70, August 23.

Environmental Data Resources, Inc. [EDR]. 2025a. "The EDR Radius Map Report with GeoCheck, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.2s." April 14.

—. 2025b. "EDR Environmental Lien and AUL Search, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.7." April 14.

—. 2025c. "The EDR Property Tax Map Report, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.6." April 14.

—. 2025d. "The EDR Aerial Photo Decade Package, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.11." April 14.

—.2025e. "Certified Sanborn Map, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.3." April 14.

—. 2025f. "EDR Historical Topo Maps, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.4." April 14.

—. 2025g. "The EDR-City Directory Image Report, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.5." April 16.

—. 2025h. "EDR Building Permit Report, DLNR DOCARE, 525 Avocado St, Wahiawa, HI 96786, Inquiry Number: 7957252.8." April 14.

Google Earth. 2025. "Google Earth Pro, 2001, 2002, 2004, 2011, 2013, 2014, 2106, 2019, 2022, and 2024." July 16.

Leeward Community College [LCC]. 2025. "Leeward CC: An ʻĀina-based research guide: Dream to Community: Wahiawā Town." https://library.leeward.hawaii.edu/c.php?g=1031927&p=9727722." University of Hawaii, July 25.

Lormand, Bob. 2018. "A Brief History of Wahiawa." *The Wahiawa Historical Society.* October 27.

Lyons, C. J. 1881. "Hawaiian Government Survey, Oahu, Hawaiian Island." Finished map by Rich Covington.

Mink, John F.; Lau, L. Stephen. 1990. "Technical Report No. 179, Aquifer Identification and Classification for Oahu: Groundwater Protection Strategy for Hawaii." University of Hawaii, Water Resources Research Center, February.

State of Hawaii Department of Accounting and General Services [DAGS]. 2025. "Map Search." https://ags.hawaii.gov/survey/map-search/, July.

State of Hawaii Department of Health [HDOH] Environmental Health. 2018. *Historic Sugarcane Lands Map Viewer.* Accessed September 21, 2021. http://health.hawaii.gov/epo/egis/sugarcane/.

United States Army Corp of Engineers [USACE]. 1936. "Wahiawa Quadrangle." War Department.

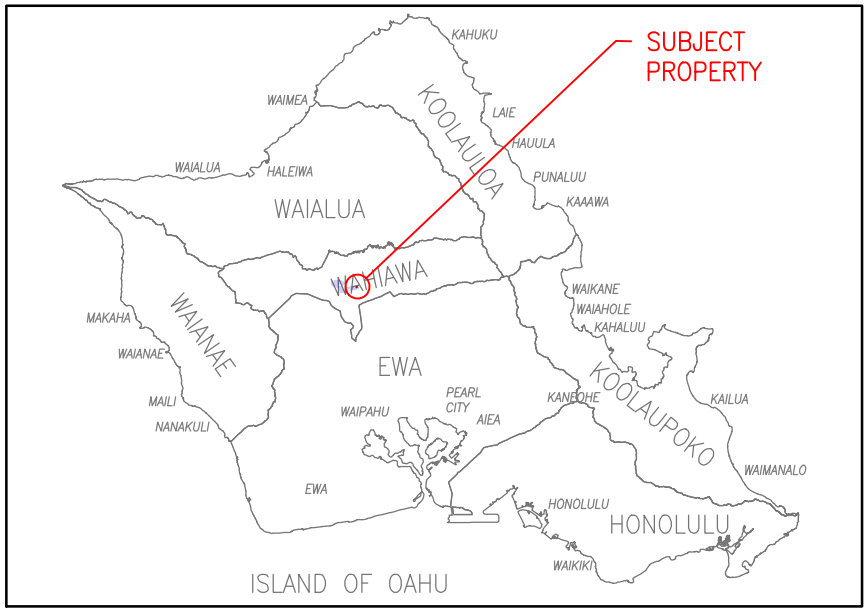
—. 1943. "Schofield Quadrangle." War Deparment.

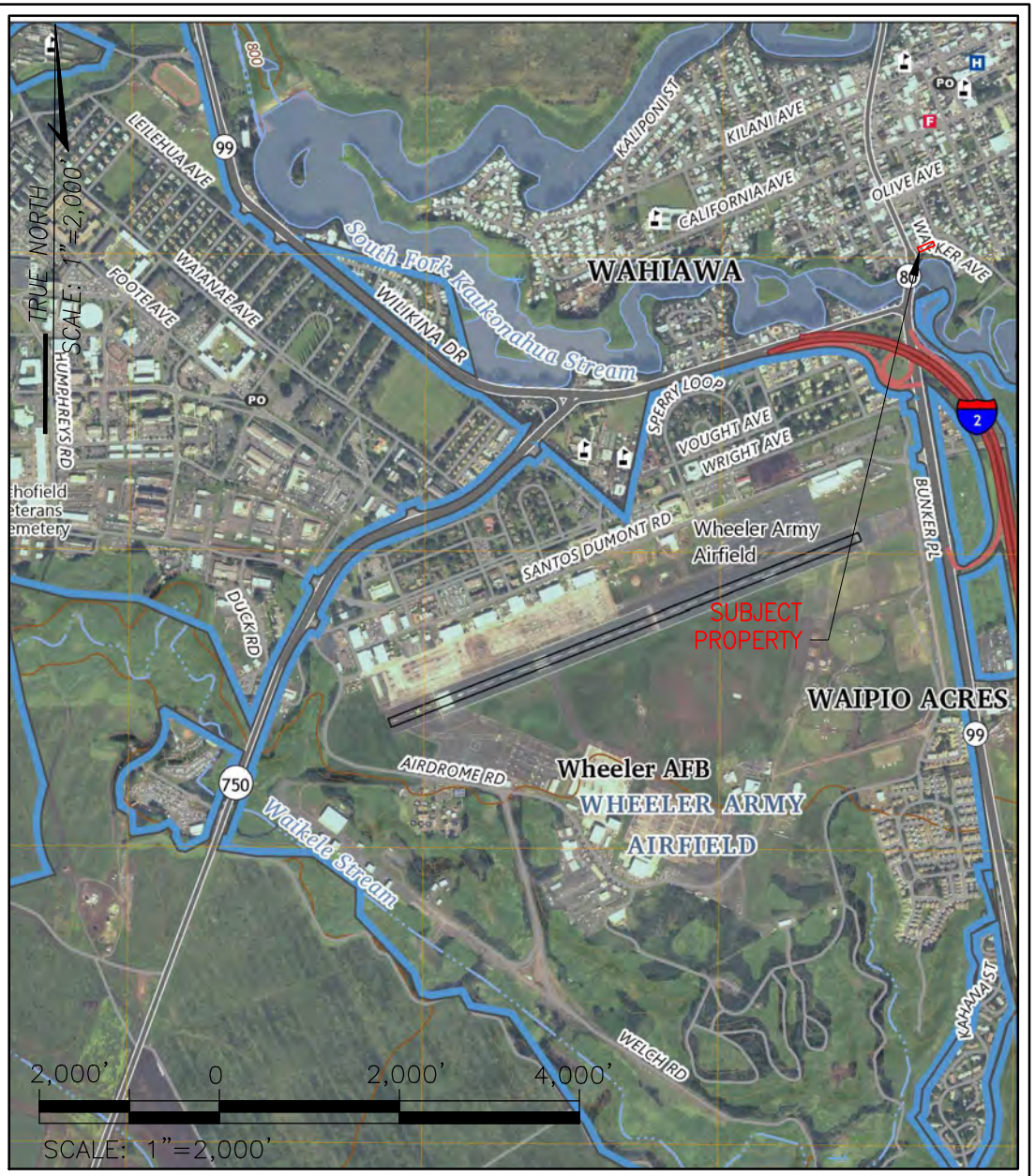
United States Army Hawaii (USARHAW). 1959. "Island of Oahu, Army, Navy and Air Force Installations."

Wahiawa Historical Society [WHS]. 2018. "South Fork of the Kaukonahua Stream." https://wahiawahistoricalsoc.com/south.html.

Appendix A

Figures and Photographs





	DATE: JUL 2025	PROJECT TITLE: 525 AVOACADO STREET WAHIAWA, OAHU, HAWAII
	FIGURE TITLE: SITE LOCATION AND VICINITY MAP	FIGURE NO.: 1

REFERENCES: STATE OF HAWAII 2025, USGS 2025, AND GOOGLE EARTH 2025

TRUE NORTH
SCALE: 1"=100'

OHAI STREET

WALKER AVENUE

AVOCADO STREET

KUAHIWA AVENUE

PRESIDENT CHURCH OF LDS
PRESIDENT BISHOP CHURCH LDS
538 AVOCADO STREET
TMK: (1) 7-4-001:022

RESIDENTIAL
514 AVOCADO STREET
TMK: (1) 7-4-001:009

AVOCADO STREET

(525) (529) (535) (541) (555)
ANGELO'S AUTO BODY & DETAILING LLC
525 AVOCADO ST
TMK: (1) 7-4-001:025

AVOCADO STREET

ALYA HOLDING LIMITED LIABILITY COMPANY
505 AVOCADO ST
TMK: (1) 7-4-001:026

WAHIAWA WATER CO INC (OWNER)
DOLE FOOD CO INC (LESSEE)
WAHIAWA WATER CO INC (SUB-LESSEE)
TMK: (1) 7-4-001:003

PINE STREET

SOUTH FORK KAUKONAHUA STREAM

100' 0 100' 200'
SCALE: 1"=100'

element environmental llc
environmental · engineering · water resources

PROJECT TITLE:
525 AVOACADO STREET
WAHIAWA, OAHU, HAWAII

FIGURE TITLE:
SITE LAYOUT

DATE:
JUL 2025

FIGURE NO.:
2

Photo 1	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: **250018**	**Client**	Group 70 International

Photo 2	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: **250018**	**Client**	Group 70 International

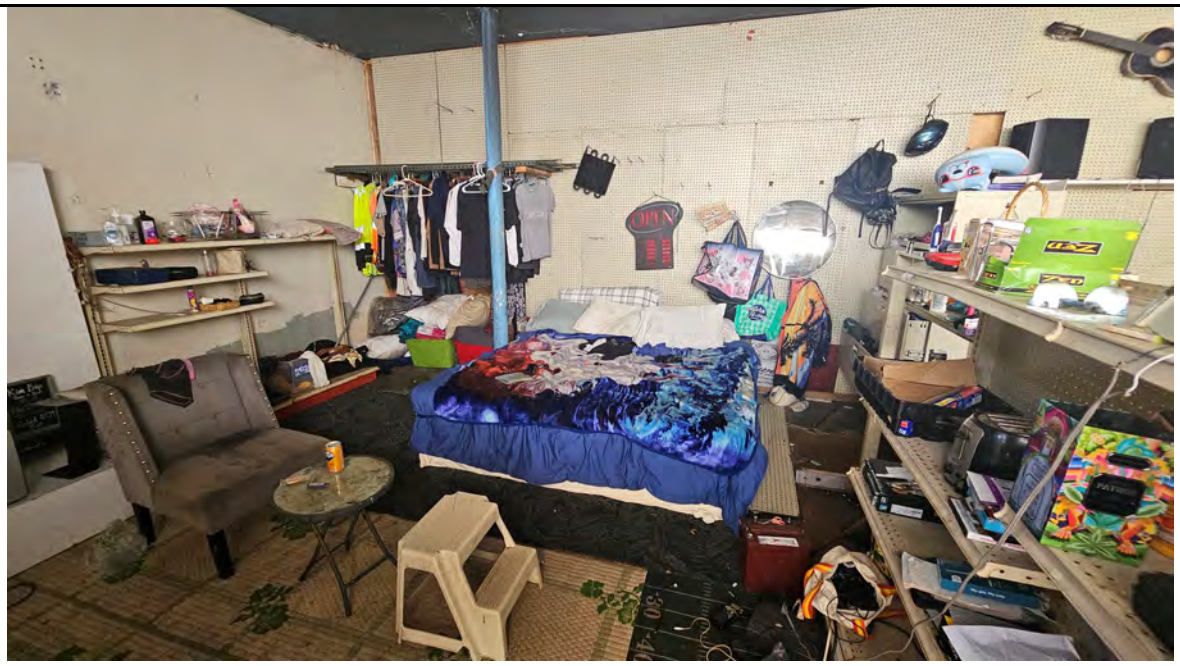


Photo 3	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 4	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 5	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 6	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 7	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 8	**Description**	525 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

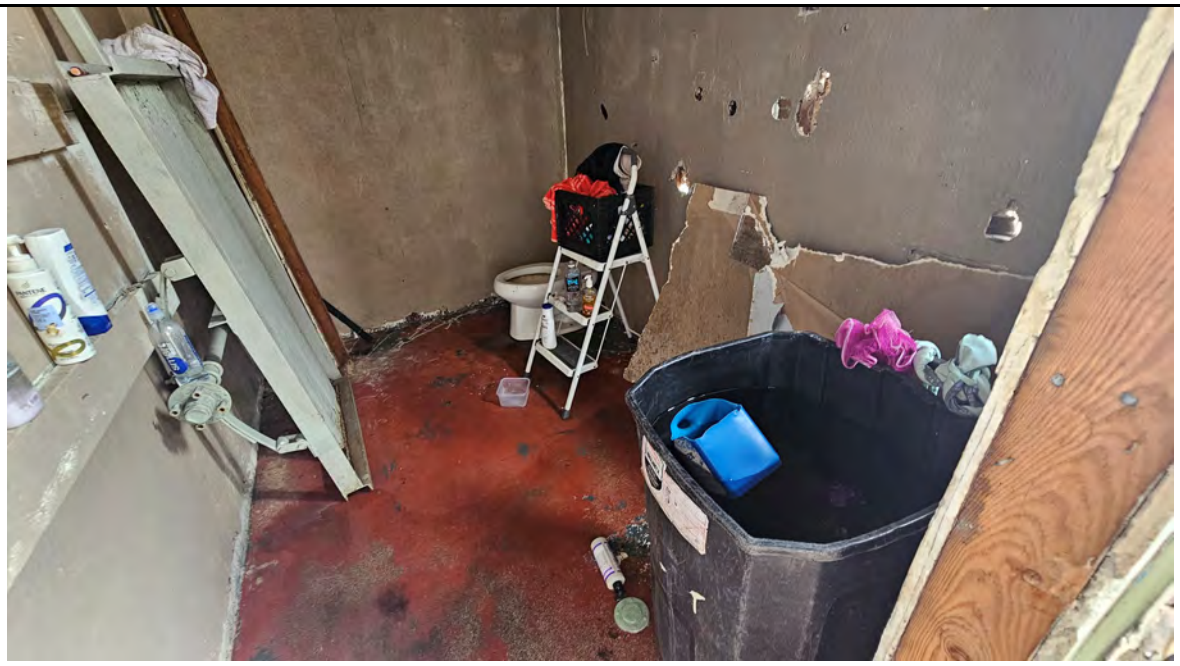


Photo 9	**Description**	525 Ruin: A bathing area within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 10	**Description**	525 Ruin: Shampoos and other soaps within the structure bathing area.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 11	**Description**	525 Ruin: E-waste within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

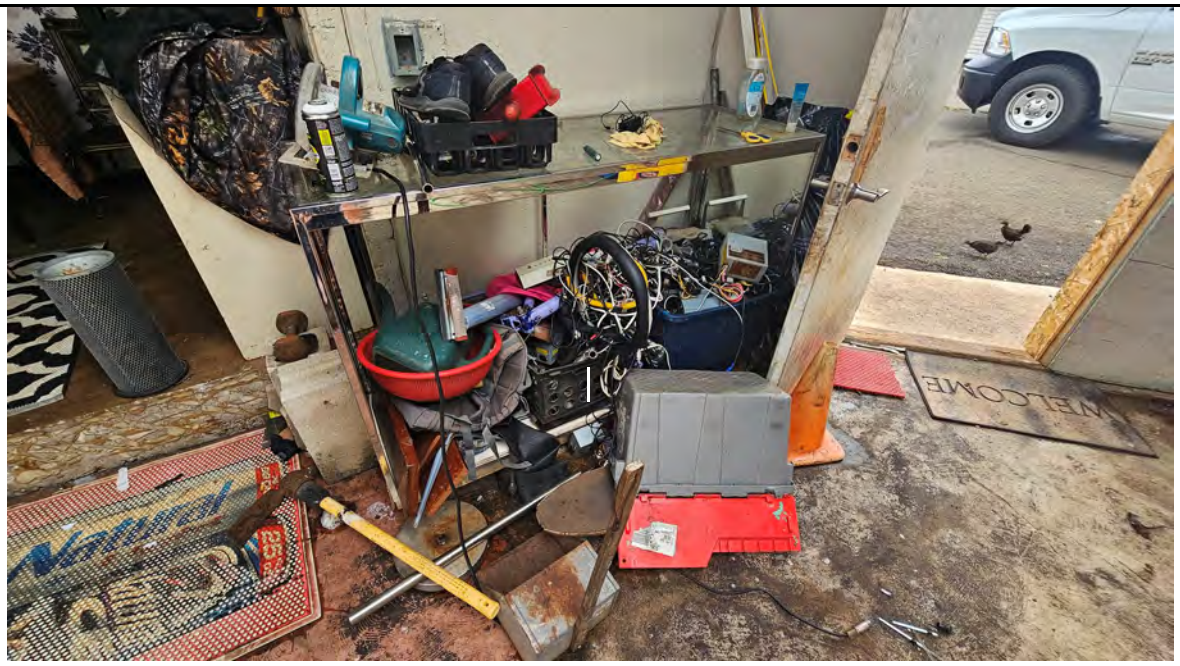


Photo 12	**Description**	525 Ruin: E-waste within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 13	**Description**	525 Ruin: A 5-gallon paint bucket, C&D debris, a tire, and a gasoline-powered weed trimmer within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

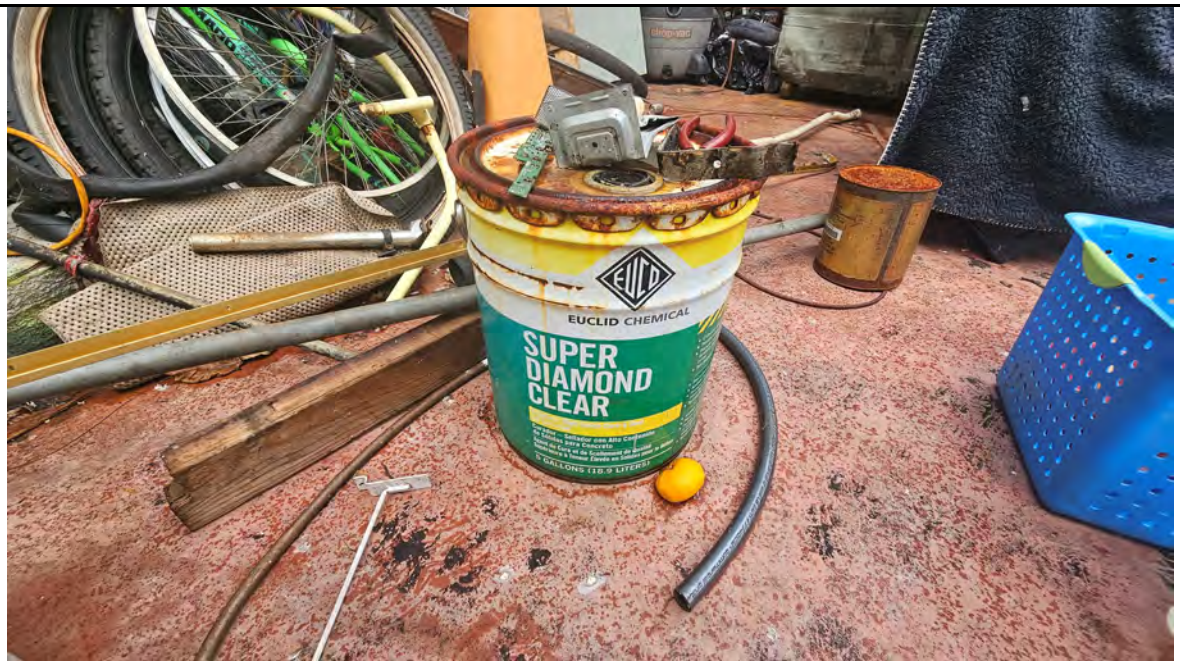


Photo 14	**Description**	525 Ruin: A 5-gallon bucket of concrete sealer, a 3-gallon bucket of hydraulic fluid, and other solid wastes within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 15	**Description**	525 Ruin: Multiple gasoline cans of various sizes within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 16	**Description**	525 Ruin: A gasoline-powered pressure washer and other solid waste within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 17	**Description**	525: Ruin: A 43-lb propane tank within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 18	**Description**	525 Ruin Area: A floor drain within the west portion of the subject property.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 19	**Description**	525 Ruin Area: A floor drain within the west portion of the subject property.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 20	**Description**	525 Ruin Area: A floor drain or cleanout access point within the west portion of the subject property.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 21	**Description**	525 Ruin Area: A floor drain or cleanout access point within the west portion of the subject property.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 22	**Description**	Two drain pipes discharge from the subject property onto the adjacent Wahiawa Reservoir property to the south.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 23	**Description**	525 Ruin Area: An industrial mixer within the west portion of the subject property. View facing east.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 24	**Description**	Solid waste within the west portion of the subject property. View facing east.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 25	**Description**	A 20-foot shipping container within the west portion of the subject property. View facing northwest.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 26	**Description**	A CMU retaining wall along the south boundary of the subject property is leaning towards the adjacent Wahiawa Reservoir property to the south. View facing northeast.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 27	**Description**	Petroleum staining on asphalt within the west portion of the subject property. View facing north.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 28	**Description**	535 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

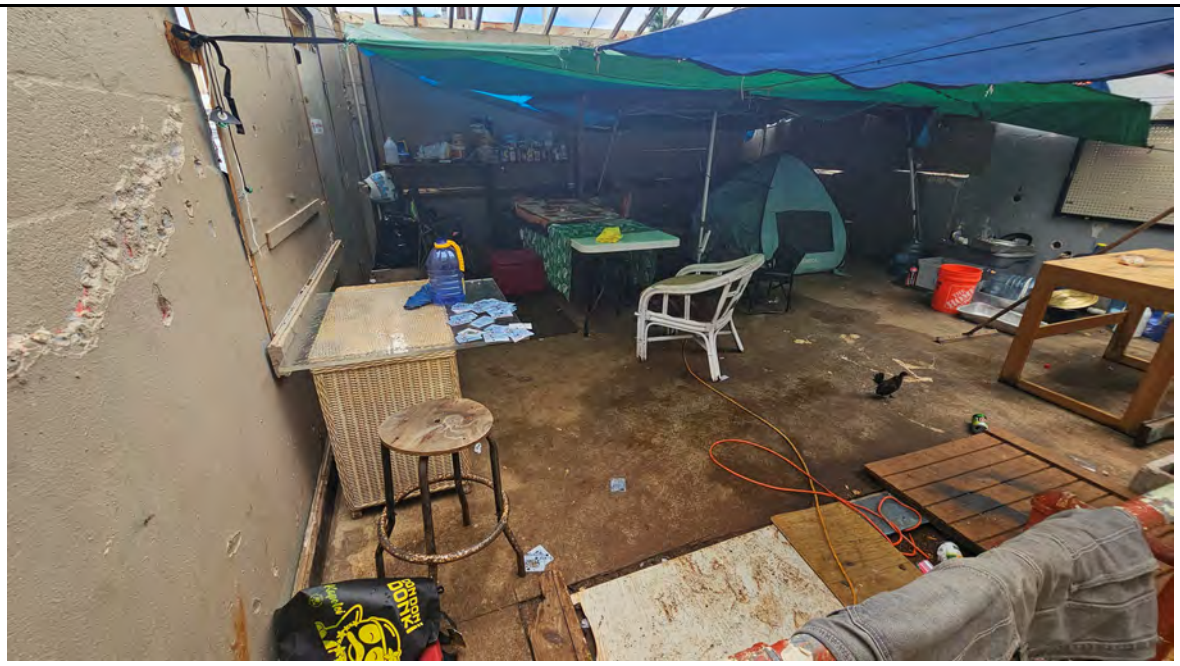


Photo 29	**Description**	535 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 30	**Description**	535 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 31	**Description**	535 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 32	**Description**	535 Ruin: Interior of the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 33	**Description**	535A Ruin: Solid waste within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 34	**Description**	535A Ruin: CMU blocks and solid waste within the structure.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 35	Description	535A Ruin Area: Solid waste southeast of the structure. View facing northeast.
Photo Date 6/16/2025	Site Name	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	Client	Group 70 International

Photo 36	Description	535 Ruin: East exterior wall of the structure. View facing northwest.
Photo Date 6/16/2025	Site Name	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	Client	Group 70 International

Photo 37	**Description**	Three pole-mounted transformers (88773, 88775, 88777) located along Avocado St. Marked "No PCBs."
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 38	**Description**	Three pole-mounted transformers (63639, 63642, 63644) located along Avocado St.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 39	**Description**	Three pole-mounted transformers (75155, 75158, 75159) located along Avocado St. Marked "No PCBs."
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 40	**Description**	Connection to the Board of Water Supply system.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 41	**Description**	Connection to the Board of Water Supply system.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 42	**Description**	A Hawaiian Electric utility vault adjacent to the subject property.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 43	**Description**	525 Ruin Area: A vagrant encampment behind the structure on the adjacent Wahiawa Reservoir property to the south. View facing southwest.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 44	**Description**	Solid waste on the adjacent Wahiawa Reservoir property to the south of the subject property. View facing southwest.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 45	**Description**	Solid waste on the adjacent Wahiawa Reservoir property to the south of the subject property. View facing south.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 46	**Description**	Solid waste on the adjacent Wahiawa Reservoir property to the south of the subject property. View facing southeast.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 47	**Description**	Solid waste on the adjacent Wahiawa Reservoir property to the south of the subject property. View facing south.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 48	**Description**	Solid waste on the adjacent Wahiawa Reservoir property to the south of the subject property. View facing southeast.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 49	**Description**	Solid waste (engine block) on the adjacent Wahiawa Reservoir property to the south of the subject property.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 50	**Description**	Solid waste on the adjacent Wahiawa Reservoir property to the south of the subject property. View facing southeast.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 51	**Description**	Derelict portable generators within the adjacent property to the east of the subject property. View facing east.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

Photo 52	**Description**	Adjacent property to the west of the subject property. View facing south.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: 250018	**Client**	Group 70 International

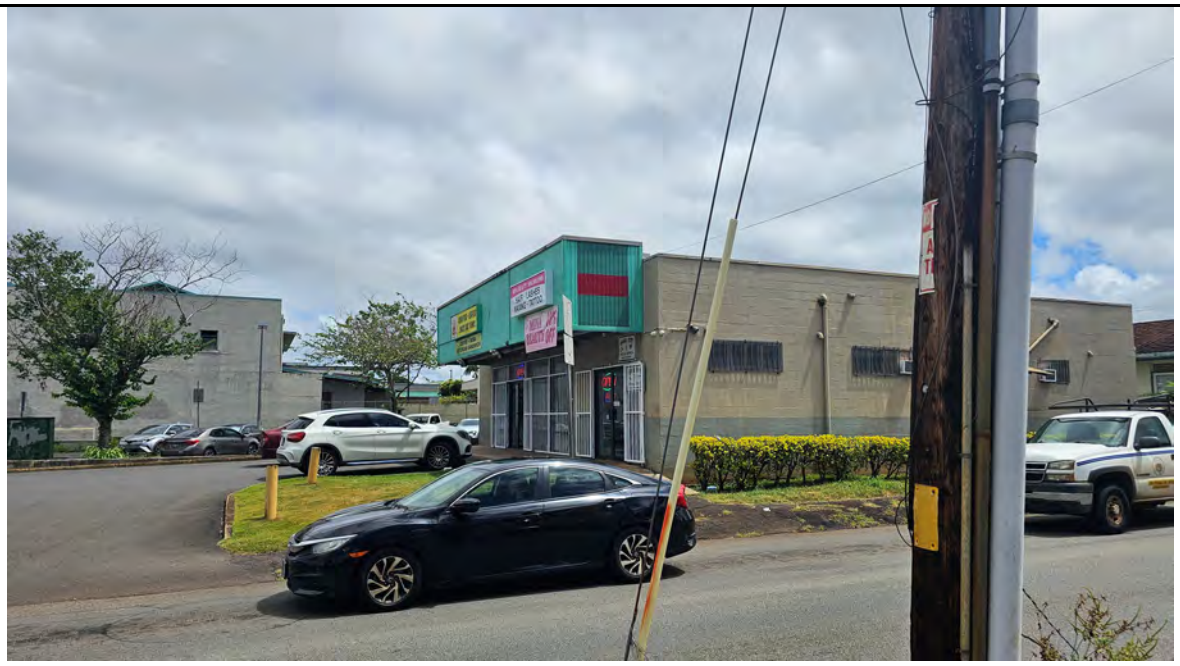


Photo 53	**Description**	Adjacent property to the north of the subject property. View facing north.
Photo Date 6/16/2025	**Site Name**	Phase I Environmental Site Assessment 525 Avocado Street, TMK (1) 7-4-001:025 Wahiawa, Oahu, Hawaii
E2 Project No.: **250018**	**Client**	Group 70 International

Appendix B

User Questionnaires and Interviews

element environmental llc
environmental • engineering • water resources

PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections offered by the Brownfields Amendments and pursuant to the User's responsibilities as described in Section 6 of ASTM E 1527-21, the User must provide the following information (if available) to the environmental professional. **Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.**

COMPLETED BY:

Name: Brandon Kim

Title: Project Planning Section Head

Company: DLNR Engineering Division

Date: 03/13/2025

SUBJECT PROPERTY NAME AND ADDRESS(ES):

USER KNOWLEDGE:

1. **Environmental Cleanup Liens**

   Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

   No

   The User should engage a title company or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records, including judicial records, for environmental liens or activity and use limitations.

2. **Activity and Land Use Limitations**

   Are you aware of any activity and use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

   No

3. **Specialized Knowledge or Experience**

   As the User of this Phase I ESA, do you have any specialized knowledge or experience related to the property or nearby properties? (Are you involved in the same line of business as the current or former occupants of the property or adjoining properties so that you would have specialized knowledge of the chemicals and processes used by this type of business?)

   No

4. **Relationship of the Purchase Price to the Fair Market Value**

Does the purchase price being paid for this property reasonably reflect the fair market value of the property?If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Property will be acquired at appraised price or through condemnation.

5. **Commonly Known or Reasonably Ascertainable Information**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?No

No

Please provide the name(s) and contact information for the previous property owner.

Current owner of record

Do you know the past use(s) of the property?

No

Do you know of specific chemicals that are present or once were present at the property?

No

Do you know of spills or other chemical releases that have taken place at the property?

No

Other Issues, Comments, or Concerns?

None

6. **Degree of Obviousness of Presence of Contamination**

As the User of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

None that we are aware of.

7. **Reason for Conducting Phase I ESA**

Due diligence work for property acquisition

Appendix C

Environmental Data Resources, Inc. (EDR) Report

¢KŜ 95w wl-Řλdzǎ a l-LJ ø⁄ůK DŜ2 / KŜŏ]†

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786

Inquiry Number: 7957252.2s
April 14, 2025

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	228
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2025 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

525 AVOCADO ST
WAHIAWA, HI 96786

COORDINATES

Latitude (North):	21.4931460 - 21° 29' 35.32''
Longitude (West):	158.0279570 - 158° 1' 40.64''
Universal Tranverse Mercator:	Zone 4
UTM X (Meters):	600692.9
UTM Y (Meters):	2376900.2
Elevation:	866 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	9757685 SCHOFIELD BARRACKS, HI
Version Date:	2017
Northeast Map:	9696214 HAUULA, HI
Version Date:	2017
Southeast Map:	9814487 WAIPAHU, HI
Version Date:	2017
Northwest Map:	9757681 HALEIWA, HI
Version Date:	2017

MAPPED SITES SUMMARY

Target Property Address:
525 AVOCADO ST
WAHIAWA, HI 96786

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	TROPIC REGIONS TEST		DOD	Same	3347, 0.634, SSE
Reg	TROPIC REGIONS TEST		DOD	Same	1440, 0.273, South
Reg	WHEELER ARMY AIRFIEL		DOD	Same	1300, 0.246, SSW
Reg	TROPIC REGIONS TEST		DOD	Same	5097, 0.965, WSW
Reg	TROPIC REGIONS TEST		DOD	Same	462, 0.087, SSE
Reg	TROPIC REGIONS TEST		DOD	Same	4658, 0.882, WSW
A1	HECO TRANSFORMER 535	535 AVOCADO ST	SPILLS	Lower	1 ft.
A2	ISLAND POWER HAWAII	567 AVOCADO STREET	SHWS, SPILLS, HWP	Higher	87, 0.016, ENE
A3	ISLAND POWER HAWAII	567 AVOCADO ST	RCRA-VSQG	Higher	87, 0.016, ENE
B4	SALVATION ARMY WAHIA	520 PINE ST	HWP	Higher	312, 0.059, ESE
C5	CONSUMER TIRE WAREHO	227 OHAI STREET	HWP	Lower	312, 0.059, WSW
C6	CONSUMER TIRE WAREHO	227 OHAI ST	HWP	Lower	312, 0.059, WSW
C7	CONSUMER TIRE WAREHO	227 OHAI ST	RCRA NonGen / NLR, FINDS, ECHO	Lower	312, 0.059, WSW
B8	SILVER CREST ELDERLY	529 PINE ST	SHWS	Lower	462, 0.087, ESE
C9	OHAI WWPS	322 OHAI PL	UST, Financial Assurance	Lower	495, 0.094, West
C10	OHAI WWPS	322 OHAI PL	UST FINDER	Lower	495, 0.094, West
D11	SERVICE MOTOR COMPAN	105 SOUTH KAMEHAMEHA	HWP	Higher	499, 0.095, NW
D12	SERVICE MOTOR CO	105 S KAM HWY	RCRA-VSQG, LUST, UST	Higher	499, 0.095, NW
D13	SERVICE MOTOR CO.	105 S KAMEHAMEHA HWY	UST FINDER, UST FINDER RELEASE	Higher	499, 0.095, NW
D14	WALGREENS STORE #138	135 S KAMEHAMEHA HWY	HWP	Higher	593, 0.112, NW
D15	WALGREENS STORE #138	135 S KAMEHAMEHA HWY	RCRA-VSQG	Higher	593, 0.112, NW
E16	MARCUS AND ASSOCIATE	524 OLIVE ST	UST FINDER	Higher	633, 0.120, NNW
E17	MARCUS AND ASSOCIATE	524 OLIVE ST	UST	Higher	633, 0.120, NNW
D18	ALBERTS DRY CLEANERS	95 S KAMEHAMEHA HWY	RCRA NonGen / NLR	Higher	689, 0.130, NW
D19	95 SOUTH KAMEHAMEHA	95 S KAMEHAMEHA HWY	SHWS, HWP	Higher	689, 0.130, NW
D20	ALBERT'S DRY CLEANER	95 S KAMEHAMEHA HWY	RCRA NonGen / NLR	Higher	689, 0.130, NW
D21	410 OLIVE AVENUE	410 OLIVE AVE	SHWS, SPILLS, HWP	Higher	711, 0.135, NW
D22	ALBERT'S DRY CLEANER	410 OLIVE AVENUE	RCRA-TSDF, RCRA NonGen / NLR	Higher	711, 0.135, NW
E23	WAHIAWA UNION	58 S KAMEHAMEHA HWY	LUST, UST, Financial Assurance, HWP	Higher	851, 0.161, NNW
E24	WAHIAWA UNION	58 S KAMEHAMEHA HWY	RCRA NonGen / NLR, FINDS, ECHO	Higher	851, 0.161, NNW
E25	WAHIAWA UNION	58 S KAMEHAMEHA HWY	UST FINDER, UST FINDER RELEASE	Higher	851, 0.161, NNW
F26	CITY AND COUNTY WAHI	71-129 WILIKINA DRIV	SWRCY	Lower	955, 0.181, SW
F27	SCHOFIELD BARRACKS (	SCHOFIELD BARRACKS (	Delisted NPL, SEMS, US ENG CONTROLS, ROD, PFAS NPL	Lower	1062, 0.201, SW
G28	SHELL OIL CO	10 S KAMEHAMEHA HWY	RCRA NonGen / NLR, FINDS, ECHO	Higher	1072, 0.203, NNW
G29	F & M FOOD MART CORP	10 S KAMEHAMEHA HWY	LUST, UST, Financial Assurance, HWP	Higher	1072, 0.203, NNW
G30	F & M FOOD MART CORP	10 S KAMEHAMEHA HWY	UST FINDER, UST FINDER RELEASE	Higher	1072, 0.203, NNW
H31	PANDA EXPRESS	609 CALIFORNIA AVE	HWP	Higher	1125, 0.213, North
H32	PANDA EXPRESS	609 CALIFORNIA AVENU	RCRA NonGen / NLR, FINDS	Higher	1125, 0.213, North
H33	PANDA EXPRESS	609 CALIFORNIA AVENU	HWP	Higher	1125, 0.213, North

MAPPED SITES SUMMARY

Target Property Address:
525 AVOCADO ST
WAHIAWA, HI 96786

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
I34	HAWAIIAN ELECTRIC -	745 NEAL AVENUE	RCRA-VSQG	Higher	1184, 0.224, ESE
I35	HECO - WAHIAWA SUBST	745 NEAL AVENUE	RCRA NonGen / NLR	Higher	1184, 0.224, ESE
I36	HECO SUBSTATION: WAH	745 NEAL AVE	SPILLS, HWP	Higher	1184, 0.224, ESE
H37	CALIFORNIA AVENUE 76	655 CALIFORNIA AVE	UST FINDER	Higher	1219, 0.231, North
H38	76 CALIFORNIA AVE. 7	655 CALIFORNIA AVE	UST, Financial Assurance	Higher	1219, 0.231, North
H39	C&CH WAHIAWA FIRE ST	640 CALIFORNIA AVE	LUST, UST, HWP	Higher	1240, 0.235, North
H40	WAHIAWA FIRE STATION	640 CALIFORNIA AVE	RCRA NonGen / NLR	Higher	1240, 0.235, North
H41	C&CH WAHIAWA FIRE ST	640 CALIFORNIA AVE	UST FINDER, UST FINDER RELEASE	Higher	1240, 0.235, North
J42	YAMA'S TEXACO	805 CALIFORNIA AVE	UST FINDER, UST FINDER RELEASE	Higher	1457, 0.276, NNE
J43	YAMA'S TEXACO	805 CALIFORNIA AVE	LUST, UST	Higher	1457, 0.276, NNE
44	ARMY MFH WHEELER AAF		SHWS	Lower	1569, 0.297, SSW
K45	AIM WAHIAWA	150 N. KAMEHAMEHA HW	LUST, UST, Financial Assurance	Higher	1709, 0.324, NNW
K46	AIM WAHIAWA	150 N. KAMEHAMEHA HW	UST FINDER, UST FINDER RELEASE	Higher	1709, 0.324, NNW
K47	MAHALO WAHIAWA	119 KAMEHAMEHA HWY	UST FINDER, UST FINDER RELEASE	Higher	1716, 0.325, NNW
K48	MAHALO WAHIAWA	119 KAMEHAMEHA HWY	LUST, UST, Financial Assurance	Higher	1752, 0.332, NNW
L49	WAHIAWA CIVIC CENTER	910 CALIFORNIA AVE	LUST, UST	Higher	1789, 0.339, NNE
L50	WAHIAWA CIVIC CENTER	910 CALIFORNIA AVE	UST FINDER, UST FINDER RELEASE	Higher	1789, 0.339, NNE
M51	U.S. POSTAL SERVICE	115 LEHUA ST	UST FINDER, UST FINDER RELEASE	Higher	1793, 0.340, North
M52	U.S. POSTAL SERVICE	115 LEHUA ST	LUST, UST, Financial Assurance	Higher	1793, 0.340, North
N53	NCTAMSPAC CENTER STR	500 CENTER ST	SHWS, ENG CONTROLS, SPILLS, HWP	Higher	2006, 0.380, NNE
N54	NAVAL COMPUTER AND T	500 CENTER STREET	NPL, SEMS, US ENG CONTROLS, US INST CONTROLS, RODH	Higher	2006, 0.380, NNE
L55	WAHIAWA SCHOOL		FUDS	Higher	2044, 0.387, NNE
L56	HELE WAHIAWA #199	966 CALIFORNIA AVE	SHWS, LUST, UST, Financial Assurance, HWP	Higher	2048, 0.388, NNE
L57	WAHIAWA 76 (#199)	966 CALIFORNIA AVE	UST FINDER, UST FINDER RELEASE	Higher	2048, 0.388, NNE
M58	ACE TRANSMISSION	720 KILANI AVE	UST FINDER, UST FINDER RELEASE	Higher	2087, 0.395, North
M59	ACE TRANSMISSION	720 KILANI AVE	LUST, UST, Financial Assurance, HWP	Higher	2087, 0.395, North
N60	FUDS WAHIAWA SCHOOL		SHWS	Higher	2090, 0.396, NNE
O61	WAHIAWA CHEVRON SS	1011 CALIFORNIA AVE	UST FINDER, UST FINDER RELEASE	Higher	2164, 0.410, NE
O62	WAHIAWA CHEVRON SS	1011 CALIFORNIA AVE	SHWS, LUST, UST, SWRCY, Financial Assurance	Higher	2164, 0.410, NE
O63	WAHIAWA ADC PROJECT	1001 CALIFORNIA AVE	SHWS, SPILLS	Higher	2173, 0.412, NE
P64	WAHIAWA CORPORATION	141 CALIFORNIA AVE	LUST, UST	Lower	2566, 0.486, West
P65	WAHIAWA CORPORATION	141 CALIFORNIA AVE	UST FINDER, UST FINDER RELEASE	Lower	2566, 0.486, West
66	ARMY MFH WHEELER AAF		SHWS	Lower	2728, 0.517, SW
P67	KAALA ELEMENTARY SCH	130 CALIFORNIA AVE	SHWS	Lower	2843, 0.538, West
68	DEL MONTE WAHIAWA PE	310 N CANE ST	SHWS	Higher	2876, 0.545, NNE
69	HAWAIIAN MEDICAL DEP		FUDS	Higher	3172, 0.601, East
70	WHEELER AAF SD05 AIR		SHWS	Lower	3288, 0.623, SSW
Q71	SCHOFIELD BARRACKS,		SHWS	Lower	3542, 0.671, SSE
72	WHEELER AAF HEATING		SHWS	Lower	3582, 0.678, SW

MAPPED SITES SUMMARY

Target Property Address:
525 AVOCADO ST
WAHIAWA, HI 96786

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Q73	ER-7A	APVG-GWV	UXO	Lower	3765, 0.713, SSE
74	WHEELER ELEMENTARY S	1 WHEELER ARMY AIRFI	SHWS	Higher	4347, 0.823, WSW
75	WHEELER AAF UST 800-	SANTOS DUMONT AVE	SHWS	Lower	4658, 0.882, SW
R76	WHEELER AAF UST 114-		SHWS	Lower	5046, 0.956, SW
R77	WHEELER AAF HEATING		SHWS	Lower	5056, 0.958, SW
78	ARMY MFH WHEELER AAF		SHWS	Lower	5230, 0.991, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Permitted Landfills in the State of Hawaii

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL ---------- Sites with Institutional Controls

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Response Program Sites

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
CDL ---------- Clandestine Drug Lab Listing
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act

TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
MINES MRDS	Mineral Resources Data System
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
E MANIFEST	Hazardous Waste Electronic Manifest System
PFAS	PFAS Contamination Site Listing
AIRS	List of Permitted Facilities
DRYCLEANERS	Permitted Drycleaner Facility Listing
Financial Assurance	Financial Assurance Information Listing
LEAD	LEAD
UIC	Underground Injection Wells Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/19/2024 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVAL COMPUTER AND T Cerclis ID:: 902904 EPA Id: HI0170090054	***500 CENTER STREET***	***NNE 1/4 - 1/2 (0.380 mi.)***	***N54***	***149***

Lists of Federal Delisted NPL sites

Delisted NPL: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may deleted from the NPL where no further response is appropriate.

A review of the Delisted NPL list, as provided by EDR, and dated 12/19/2024 has revealed that there is 1 Delisted NPL site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHOFIELD BARRACKS (EPA ID:: HI7210090026 Site ID:: 902923	***SCHOFIELD BARRACKS (***	***SW 1/8 - 1/4 (0.201 mi.)***	***F27***	***63***

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 12/19/2024 has revealed that there are 2 SEMS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVAL COMPUTER AND T Site ID: 0902904 EPA Id: HI0170090054	***500 CENTER STREET***	***NNE 1/4 - 1/2 (0.380 mi.)***	***N54***	***149***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHOFIELD BARRACKS (Site ID: 0902923 EPA Id: HI7210090026	***SCHOFIELD BARRACKS (***	***SW 1/8 - 1/4 (0.201 mi.)***	***F27***	***63***

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 02/17/2025 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALBERT'S DRY CLEANER EPA ID:: HIR000143784	***410 OLIVE AVENUE***	***NW 1/8 - 1/4 (0.135 mi.)***	***D22***	***51***

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 02/17/2025 has revealed that there are 4 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ISLAND POWER HAWAII EPA ID:: HIR000146076	567 AVOCADO ST	ENE 0 - 1/8 (0.016 mi.)	A3	12
SERVICE MOTOR CO EPA ID:: HID981631385	***105 S KAM HWY***	***NW 0 - 1/8 (0.095 mi.)***	***D12***	***23***
WALGREENS STORE #138 EPA ID:: HIR000147793	135 S KAMEHAMEHA HWY	NW 0 - 1/8 (0.112 mi.)	D15	30
HAWAIIAN ELECTRIC - EPA ID:: HIR000141549	745 NEAL AVENUE	ESE 1/8 - 1/4 (0.224 mi.)	I34	86

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 11/04/2024 has revealed that there are 2 US ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVAL COMPUTER AND T EPA ID:: HI0170090054 EPA ID:: HI0170090054	***500 CENTER STREET***	***NNE 1/4 - 1/2 (0.380 mi.)***	***N54***	***149***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHOFIELD BARRACKS (EPA ID:: HI7210090026 EPA ID:: HI7210090026	***SCHOFIELD BARRACKS (***	***SW 1/8 - 1/4 (0.201 mi.)***	***F27***	***63***

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 11/04/2024 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVAL COMPUTER AND T	***500 CENTER STREET***	***NNE 1/4 - 1/2 (0.380 mi.)***	***N54***	***149***

EXECUTIVE SUMMARY

EPA ID:: HI0170090054

Lists of state- and tribal hazardous waste facilities

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health.

A review of the SHWS list, as provided by EDR, and dated 03/06/2024 has revealed that there are 21 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ISLAND POWER HAWAII	***567 AVOCADO STREET***	***ENE 0 - 1/8 (0.016 mi.)***	***A2***	***10***
95 SOUTH KAMEHAMEHA	***95 S KAMEHAMEHA HWY***	***NW 1/8 - 1/4 (0.130 mi.)***	***D19***	***38***
410 OLIVE AVENUE	***410 OLIVE AVE***	***NW 1/8 - 1/4 (0.135 mi.)***	***D21***	***46***
NCTAMSPAC CENTER STR	***500 CENTER ST***	***NNE 1/4 - 1/2 (0.380 mi.)***	***N53***	***146***
HELE WAHIAWA #199	***966 CALIFORNIA AVE***	***NNE 1/4 - 1/2 (0.388 mi.)***	***L56***	***177***
FUDS WAHIAWA SCHOOL		NNE 1/4 - 1/2 (0.396 mi.)	N60	201
WAHIAWA CHEVRON SS	***1011 CALIFORNIA AVE***	***NE 1/4 - 1/2 (0.410 mi.)***	***O62***	***204***
WAHIAWA ADC PROJECT	***1001 CALIFORNIA AVE***	***NE 1/4 - 1/2 (0.412 mi.)***	***O63***	***209***
DEL MONTE WAHIAWA PE	310 N CANE ST	NNE 1/2 - 1 (0.545 mi.)	68	215
WHEELER ELEMENTARY S	1 WHEELER ARMY AIRFI	WSW 1/2 - 1 (0.823 mi.)	74	223

Lower Elevation	Address	Direction / Distance	Map ID	Page
SILVER CREST ELDERLY	529 PINE ST	ESE 0 - 1/8 (0.087 mi.)	B8	19
ARMY MFH WHEELER AAF		SSW 1/4 - 1/2 (0.297 mi.)	44	112
ARMY MFH WHEELER AAF		SW 1/2 - 1 (0.517 mi.)	66	213
KAALA ELEMENTARY SCH	130 CALIFORNIA AVE	W 1/2 - 1 (0.538 mi.)	P67	214
WHEELER AAF SD05 AIR		SSW 1/2 - 1 (0.623 mi.)	70	217
SCHOFIELD BARRACKS,		SSE 1/2 - 1 (0.671 mi.)	Q71	219
WHEELER AAF HEATING		SW 1/2 - 1 (0.678 mi.)	72	222
WHEELER AAF UST 800-	SANTOS DUMONT AVE	SW 1/2 - 1 (0.882 mi.)	75	224
WHEELER AAF UST 114-		SW 1/2 - 1 (0.956 mi.)	R76	225
WHEELER AAF HEATING		SW 1/2 - 1 (0.958 mi.)	R77	226
ARMY MFH WHEELER AAF		SW 1/2 - 1 (0.991 mi.)	78	227

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Health's Active Leaking Underground Storage Tank Log Listing.

A review of the LUST list, as provided by EDR, and dated 02/17/2025 has revealed that there are 13 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SERVICE MOTOR CO	***105 S KAM HWY***	***NW 0 - 1/8 (0.095 mi.)***	***D12***	***23***
Release ID: 980211				

Release ID: 030029
Facility Id: 9-200881
Facility Status: Site Cleanup Completed (NFA)

WAHIAWA UNION	***58 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.161 mi.)***	***E23***	***54***

Release ID: 010023
Facility Id: 9-200104
Facility Status: Site Cleanup Completed (NFA)

F & M FOOD MART CORP	***10 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.203 mi.)***	***G29***	***76***

Release ID: 950136
Release ID: 990240
Release ID: 940061
Release ID: 000064
Facility Id: 9-201033
Facility Status: Site Cleanup Completed (NFA)

C&CH WAHIAWA FIRE ST	***640 CALIFORNIA AVE***	***N 1/8 - 1/4 (0.235 mi.)***	***H39***	***104***

Release ID: 940045
Facility Id: 9-200092
Facility Status: Site Cleanup Completed (NFA)

YAMA'S TEXACO	***805 CALIFORNIA AVE***	***NNE 1/4 - 1/2 (0.276 mi.)***	***J43***	***111***

Release ID: 980038
Facility Id: 9-203333
Facility Status: Site Cleanup Completed (NFA)

AIM WAHIAWA	***150 N. KAMEHAMEHA HW***	***NNW 1/4 - 1/2 (0.324 mi.)***	***K45***	***113***

Release ID: 980143
Release ID: 950028
Release ID: 050027
Release ID: 180005
Release ID: 070016
Facility Id: 9-200329
Facility Status: Site Cleanup Completed (NFA)
Facility Status: Consolidated releases
Facility Status: Confirmed Release
Facility Status: Exposure Prevention Management Plan

MAHALO WAHIAWA	***119 KAMEHAMEHA HWY***	***NNW 1/4 - 1/2 (0.332 mi.)***	***K48***	***130***

Release ID: 200003
Release ID: 000096
Facility Id: 9-201458
Facility Status: Confirmed Release
Facility Status: Site Cleanup Completed (NFA)

WAHIAWA CIVIC CENTER	***910 CALIFORNIA AVE***	***NNE 1/4 - 1/2 (0.339 mi.)***	***L49***	***141***

Release ID: 930004
Facility Id: 9-202643
Facility Status: Site Cleanup Completed (NFA)

U.S. POSTAL SERVICE	***115 LEHUA ST***	***N 1/4 - 1/2 (0.340 mi.)***	***M52***	***145***

Release ID: 920174
Facility Id: 9-201776
Facility Status: Site Cleanup Completed (NFA)

HELE WAHIAWA #199	***966 CALIFORNIA AVE***	***NNE 1/4 - 1/2 (0.388 mi.)***	***L56***	***177***

Release ID: 970057
Release ID: 040055
Facility Id: 9-200030
Facility Status: Site Cleanup Completed (NFA)

ACE TRANSMISSION	***720 KILANI AVE***	***N 1/4 - 1/2 (0.395 mi.)***	***M59***	***198***

Release ID: 990068
Facility Id: 9-201023
Facility Status: Site Cleanup Completed (NFA)

WAHIAWA CHEVRON SS	***1011 CALIFORNIA AVE***	***NE 1/4 - 1/2 (0.410 mi.)***	***O62***	***204***

Release ID: 040031
Release ID: 070022
Release ID: 970044
Facility Id: 9-201228
Facility Status: Site Cleanup Completed (NFA)

Lower Elevation	Address	Direction / Distance	Map ID	Page
WAHIAWA CORPORATION	***141 CALIFORNIA AVE***	***W 1/4 - 1/2 (0.486 mi.)***	***P64***	***211***

Release ID: 930100
Facility Id: 9-200120
Facility Status: Site Cleanup Completed (NFA)

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health's Listing of Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 02/17/2025 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SERVICE MOTOR CO	***105 S KAM HWY***	***NW 0 - 1/8 (0.095 mi.)***	***D12***	***23***

Tank Status: Permanently Out of Use
Facility Id: 9-200881
Date Closed: 09/29/1997
Date Closed: 12/04/2002

MARCUS AND ASSOCIATE	524 OLIVE ST	NNW 0 - 1/8 (0.120 mi.)	E17	34

Tank Status: Permanently Out of Use
Facility Id: 9-203710
Date Closed: 10/19/1993

WAHIAWA UNION	***58 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.161 mi.)***	***E23***	***54***

Tank Status: Permanently Out of Use
Facility Id: 9-200104
Date Closed: 06/15/1989
Date Closed: 01/10/2001
Date Closed: 06/01/1989
Date Closed: 01/20/2001

F & M FOOD MART CORP	***10 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.203 mi.)***	***G29***	***76***

Tank Status: Permanently Out of Use
Facility Id: 9-201033
Date Closed: 09/01/1999
Date Closed: 01/13/2000

76 CALIFORNIA AVE. 7	***655 CALIFORNIA AVE***	***N 1/8 - 1/4 (0.231 mi.)***	***H38***	***98***

Tank Status: Permanently Out of Use

Tank Status: Currently In Use
Facility Id: 9-201204
Date Closed: 05/15/1998

C&CH WAHIAWA FIRE ST	***640 CALIFORNIA AVE***	***N 1/8 - 1/4 (0.235 mi.)***	***H39***	***104***

Tank Status: Permanently Out of Use
Facility Id: 9-200092
Date Closed: 10/11/1993

Lower Elevation	Address	Direction / Distance	Map ID	Page
OHAI WWPS	***322 OHAI PL***	***W 0 - 1/8 (0.094 mi.)***	***C9***	***20***

Tank Status: Currently in Use
Facility Id: 9-201931

State and tribal institutional control / engineering control registries

ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the ENG CONTROLS list, as provided by EDR, and dated 04/17/2019 has revealed that there is 1 ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NCTAMSPAC CENTER STR	***500 CENTER ST***	***NNE 1/4 - 1/2 (0.380 mi.)***	***N53***	***146***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling and drop-off facilities located in Hawaii.

A review of the SWRCY list, as provided by EDR, and dated 12/10/2024 has revealed that there are 2 SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAHIAWA CHEVRON SS	***1011 CALIFORNIA AVE***	***NE 1/4 - 1/2 (0.410 mi.)***	***O62***	***204***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY AND COUNTY WAHI	71-129 WILIKINA DRIV	SW 1/8 - 1/4 (0.181 mi.)	F26	62

Records of Emergency Release Reports

SPILLS: Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

A review of the SPILLS list, as provided by EDR, and dated 02/29/2024 has revealed that there is 1

SPILLS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HECO TRANSFORMER 535	535 AVOCADO ST	0 - 1/8 (0.000 mi.)	A1	9

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/17/2025 has revealed that there are 9 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALBERTS DRY CLEANERS EPA ID:: HIP000137885	95 S KAMEHAMEHA HWY	NW 1/8 - 1/4 (0.130 mi.)	D18	35
ALBERT'S DRY CLEANER EPA ID:: HIR000143792	95 S KAMEHAMEHA HWY	NW 1/8 - 1/4 (0.130 mi.)	D20	40
ALBERT'S DRY CLEANER EPA ID:: HIR000143784	***410 OLIVE AVENUE***	***NW 1/8 - 1/4 (0.135 mi.)***	***D22***	***51***
WAHIAWA UNION EPA ID:: HID984468934	***58 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.161 mi.)***	***E24***	***57***
SHELL OIL CO EPA ID:: HIR000000497	***10 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.203 mi.)***	***G28***	***73***
PANDA EXPRESS EPA ID:: HIR000144964	***609 CALIFORNIA AVENU***	***N 1/8 - 1/4 (0.213 mi.)***	***H32***	***82***
HECO - WAHIAWA SUBST EPA ID:: HIP000136382	745 NEAL AVENUE	ESE 1/8 - 1/4 (0.224 mi.)	I35	91
WAHIAWA FIRE STATION EPA ID:: HIP000096578	640 CALIFORNIA AVE	N 1/8 - 1/4 (0.235 mi.)	H40	105

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSUMER TIRE WAREHO EPA ID:: HID981657240	***227 OHAI ST***	***WSW 0 - 1/8 (0.059 mi.)***	***C7***	***16***

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 10/01/2024 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WAHIAWA SCHOOL		NNE 1/4 - 1/2 (0.387 mi.)	L55	177
HAWAIIAN MEDICAL DEP		E 1/2 - 1 (0.601 mi.)	69	216

EXECUTIVE SUMMARY

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 06/07/2021 has revealed that there are 6 DOD sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TROPIC REGIONS TEST		SSE 1/2 - 1 (0.634 mi.)	0	8
TROPIC REGIONS TEST		S 1/4 - 1/2 (0.273 mi.)	0	8
WHEELER ARMY AIRFIEL		SSW 1/8 - 1/4 (0.246 mi.)	0	8
TROPIC REGIONS TEST		WSW 1/2 - 1 (0.965 mi.)	0	8
TROPIC REGIONS TEST		SSE 0 - 1/8 (0.087 mi.)	0	9
TROPIC REGIONS TEST		WSW 1/2 - 1 (0.882 mi.)	0	9

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 01/29/2025 has revealed that there are 2 ROD sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVAL COMPUTER AND T EPA ID:: HI0170090054	***500 CENTER STREET***	***NNE 1/4 - 1/2 (0.380 mi.)***	***N54***	***149***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHOFIELD BARRACKS (EPA ID:: HI7210090026	***SCHOFIELD BARRACKS (***	***SW 1/8 - 1/4 (0.201 mi.)***	***F27***	***63***

UXO: A listing of unexploded ordnance site locations

A review of the UXO list, as provided by EDR, and dated 09/06/2023 has revealed that there is 1 UXO site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ER-7A	APVG-GWV	SSE 1/2 - 1 (0.713 mi.)	Q73	223

PFAS NPL: EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

A review of the PFAS NPL list, as provided by EDR, and dated 12/30/2024 has revealed that there is 1 PFAS NPL site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHOFIELD BARRACKS (	***SCHOFIELD BARRACKS (***	***SW 1/8 - 1/4 (0.201 mi.)***	***F27***	***63***

EXECUTIVE SUMMARY

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 13 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SERVICE MOTOR CO.	***105 S KAMEHAMEHA HWY***	***NW 0 - 1/8 (0.095 mi.)***	***D13***	***28***
WAHIAWA UNION	***58 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.161 mi.)***	***E25***	***60***
F & M FOOD MART CORP	***10 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.203 mi.)***	***G30***	***79***
C&CH WAHIAWA FIRE ST	***640 CALIFORNIA AVE***	***N 1/8 - 1/4 (0.235 mi.)***	***H41***	***107***
YAMA'S TEXACO	***805 CALIFORNIA AVE***	***NNE 1/4 - 1/2 (0.276 mi.)***	***J42***	***109***
AIM WAHIAWA	***150 N. KAMEHAMEHA HW***	***NNW 1/4 - 1/2 (0.324 mi.)***	***K46***	***125***
MAHALO WAHIAWA	***119 KAMEHAMEHA HWY***	***NNW 1/4 - 1/2 (0.325 mi.)***	***K47***	***128***
WAHIAWA CIVIC CENTER	***910 CALIFORNIA AVE***	***NNE 1/4 - 1/2 (0.339 mi.)***	***L50***	***142***
U.S. POSTAL SERVICE	***115 LEHUA ST***	***N 1/4 - 1/2 (0.340 mi.)***	***M51***	***143***
WAHIAWA 76 (#199)	***966 CALIFORNIA AVE***	***NNE 1/4 - 1/2 (0.388 mi.)***	***L57***	***193***
ACE TRANSMISSION	***720 KILANI AVE***	***N 1/4 - 1/2 (0.395 mi.)***	***M58***	***195***
WAHIAWA CHEVRON SS	***1011 CALIFORNIA AVE***	***NE 1/4 - 1/2 (0.410 mi.)***	***O61***	***202***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WAHIAWA CORPORATION	***141 CALIFORNIA AVE***	***W 1/4 - 1/2 (0.486 mi.)***	***P65***	***212***

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there are 7 UST FINDER sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SERVICE MOTOR CO.	***105 S KAMEHAMEHA HWY***	***NW 0 - 1/8 (0.095 mi.)***	***D13***	***28***
MARCUS AND ASSOCIATE	524 OLIVE ST	NNW 0 - 1/8 (0.120 mi.)	E16	33
WAHIAWA UNION	***58 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.161 mi.)***	***E25***	***60***
F & M FOOD MART CORP	***10 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.203 mi.)***	***G30***	***79***
CALIFORNIA AVENUE 76	655 CALIFORNIA AVE	N 1/8 - 1/4 (0.231 mi.)	H37	96
C&CH WAHIAWA FIRE ST	***640 CALIFORNIA AVE***	***N 1/8 - 1/4 (0.235 mi.)***	***H41***	***107***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OHAI WWPS	322 OHAI PL	W 0 - 1/8 (0.094 mi.)	C10	22

EXECUTIVE SUMMARY

HWP: A list of files with HW file numbers. This means there was likely some kind of hazardous waste or used oil activity at the site in the past, but not necessarily currently. There could also be sites for which the department received a complaint from the public but there was never any regulated activity that occurred at that site.

A review of the HWP list, as provided by EDR, and dated 02/27/2025 has revealed that there are 14 HWP sites within approximately 0.25 miles of the target property.

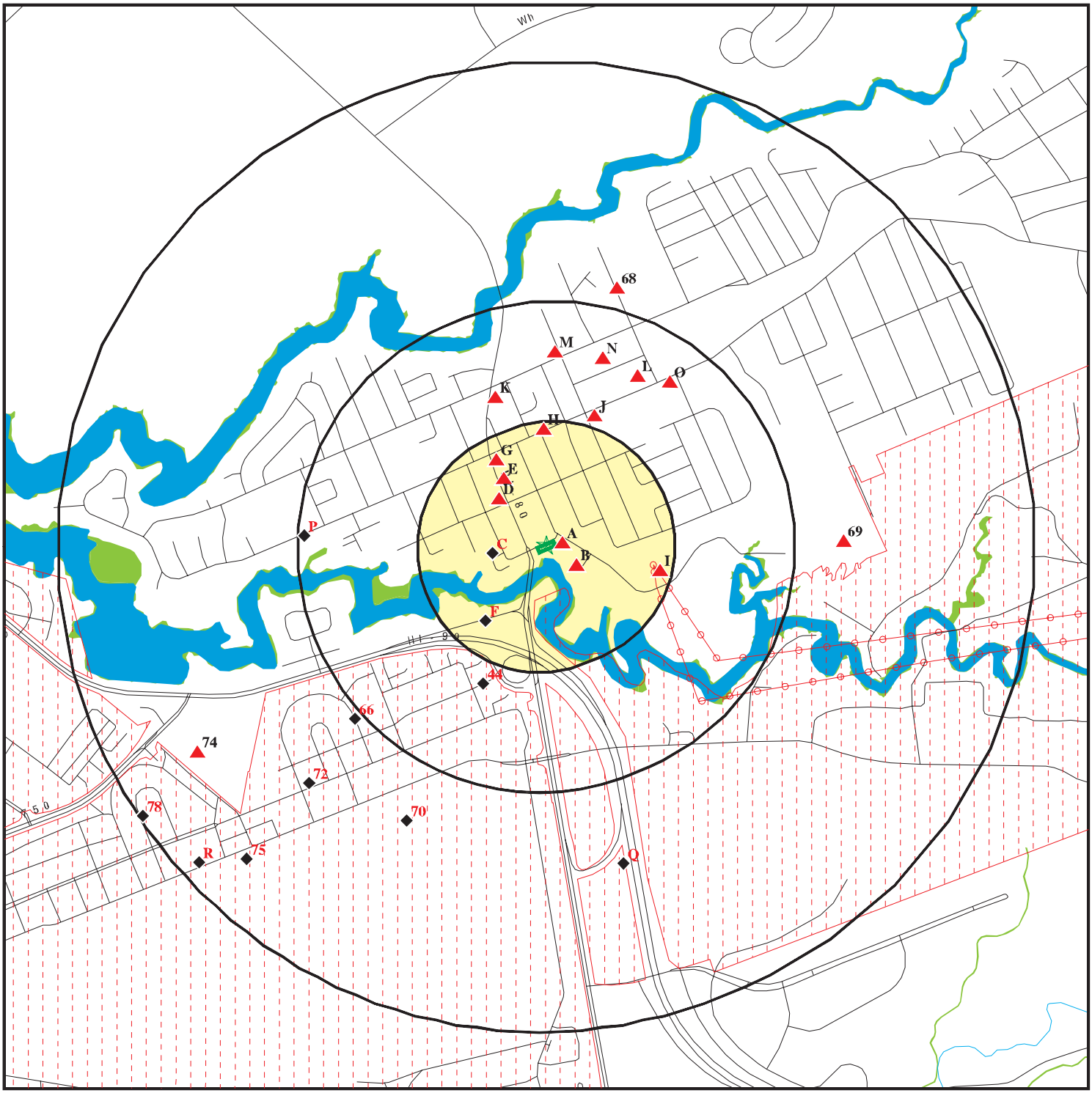
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ISLAND POWER HAWAII	***567 AVOCADO STREET***	***ENE 0 - 1/8 (0.016 mi.)***	***A2***	***10***
SALVATION ARMY WAHIA	520 PINE ST	ESE 0 - 1/8 (0.059 mi.)	B4	15
SERVICE MOTOR COMPAN	105 SOUTH KAMEHAMEHA	NW 0 - 1/8 (0.095 mi.)	D11	23
WALGREENS STORE #138	135 S KAMEHAMEHA HWY	NW 0 - 1/8 (0.112 mi.)	D14	30
95 SOUTH KAMEHAMEHA	***95 S KAMEHAMEHA HWY***	***NW 1/8 - 1/4 (0.130 mi.)***	***D19***	***38***
410 OLIVE AVENUE	***410 OLIVE AVE***	***NW 1/8 - 1/4 (0.135 mi.)***	***D21***	***46***
WAHIAWA UNION	***58 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.161 mi.)***	***E23***	***54***
F & M FOOD MART CORP	***10 S KAMEHAMEHA HWY***	***NNW 1/8 - 1/4 (0.203 mi.)***	***G29***	***76***
PANDA EXPRESS	609 CALIFORNIA AVE	N 1/8 - 1/4 (0.213 mi.)	H31	81
PANDA EXPRESS	609 CALIFORNIA AVENU	N 1/8 - 1/4 (0.213 mi.)	H33	86
HECO SUBSTATION: WAH	***745 NEAL AVE***	***ESE 1/8 - 1/4 (0.224 mi.)***	***I36***	***95***
C&CH WAHIAWA FIRE ST	***640 CALIFORNIA AVE***	***N 1/8 - 1/4 (0.235 mi.)***	***H39***	***104***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSUMER TIRE WAREHO	227 OHAI STREET	WSW 0 - 1/8 (0.059 mi.)	C5	15
CONSUMER TIRE WAREHO	227 OHAI ST	WSW 0 - 1/8 (0.059 mi.)	C6	15

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7957252.2S



0 1/4 1/2 1 Miles

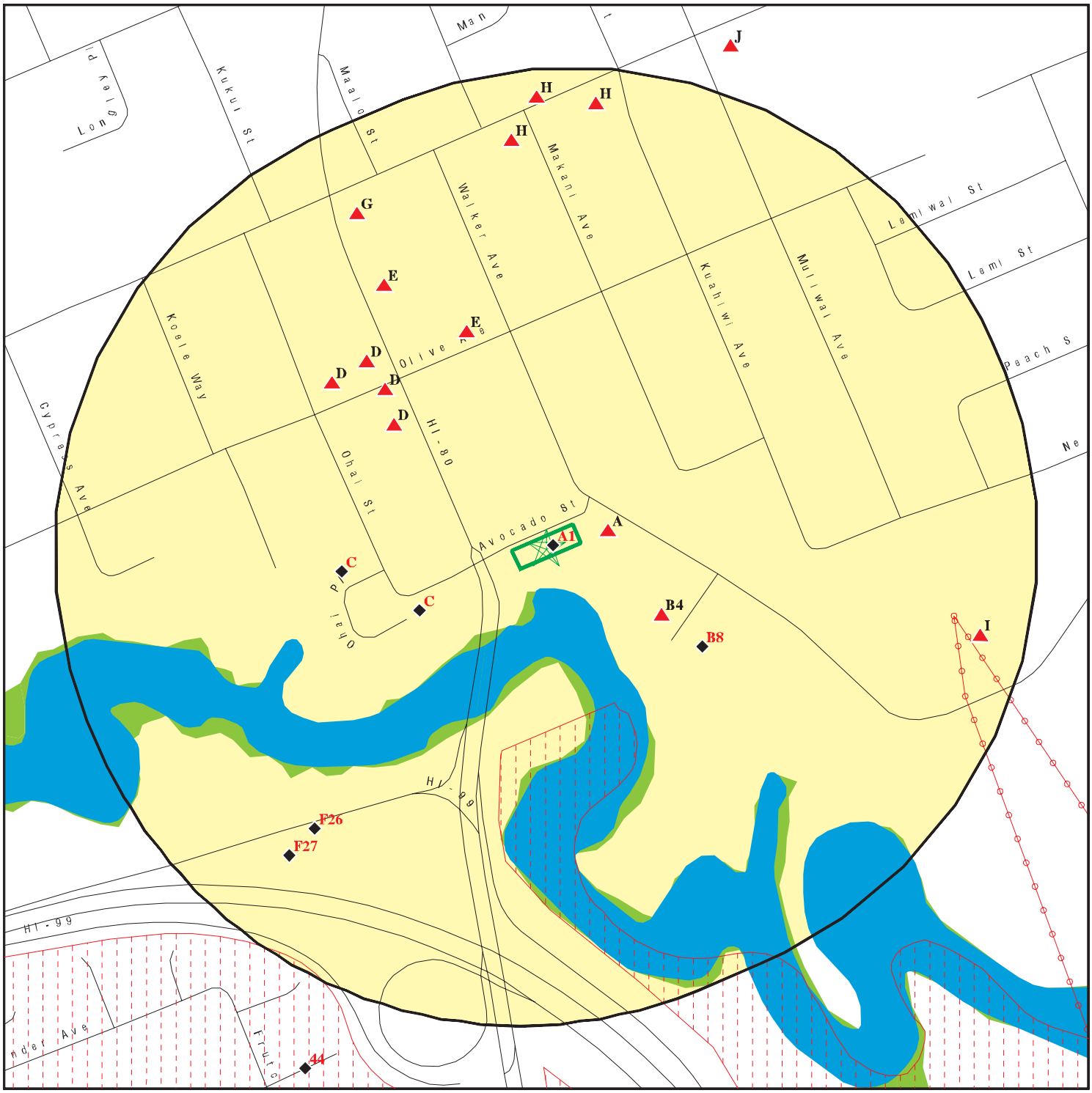
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	DLNR DOCARE	CLIENT:	Element Environmental , LLC
ADDRESS:	525 Avocado St Wahiawa HI 96786	CONTACT:	Angie Peltier
		INQUIRY #:	7957252.2s
LAT/LONG:	21.493146 / 158.027957	DATE:	April 14, 2025 2:56 pm

Copyright © 2025 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 7957252.2S



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	DLNR DOCARE	CLIENT:	Element Environmental , LLC
ADDRESS:	525 Avocado St Wahiawa HI 96786	CONTACT:	Angie Peltier
		INQUIRY #:	7957252.2s
LAT/LONG:	21.493146 / 158.027957	DATE:	April 14, 2025 2:57 pm

Copyright © 2025 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	1	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	1	0	0	NR	1
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	1	1	NR	NR	2
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	1	0	NR	NR	1
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		3	1	NR	NR	NR	4
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	1	1	NR	NR	2
US INST CONTROLS	0.500		0	0	1	NR	NR	1
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		2	2	6	11	NR	21
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LUST	0.500		1	3	9	NR	NR	13

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	4	NR	NR	NR	7
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	1	NR	NR	1
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	1	1	NR	NR	2
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		1	NR	NR	NR	NR	1
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	8	NR	NR	NR	9
FUDS	1.000		0	0	1	1	NR	2
DOD	1.000		1	1	1	3	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	1	1	0	NR	2
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	1	NR	1
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	1	NR	NR	NR	1
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		1	3	9	NR	NR	13
UST FINDER	0.250		3	4	NR	NR	NR	7

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HWP	0.250		6	8	NR	NR	NR	14
LEAD	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	22	41	33	16	0	112

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DOD **TROPIC REGIONS TEST CENTER** **DOD** **CUSA401969**
Region **N/A**
SSE **, HI**
1/2-1
3347 ft.

DOD:
Site Name: TROPIC REGIONS TEST CENTER
DOD Component: Army Active
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **TROPIC REGIONS TEST CENTER** **DOD** **CUSA401968**
Region **N/A**
South **, HI**
1/4-1/2
1440 ft.

DOD:
Site Name: TROPIC REGIONS TEST CENTER
DOD Component: Army Active
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **WHEELER ARMY AIRFIELD** **DOD** **CUSA401967**
Region **N/A**
SSW **, HI**
1/8-1/4
1300 ft.

DOD:
Site Name: WHEELER ARMY AIRFIELD
DOD Component: Army Active
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **TROPIC REGIONS TEST CENTER** **DOD** **CUSA401966**
Region **N/A**
WSW **, HI**
1/2-1
5097 ft.

DOD:
Site Name: TROPIC REGIONS TEST CENTER
DOD Component: Army Active
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **TROPIC REGIONS TEST CENTER** **DOD** **CUSA401964**
Region **N/A**
SSE
< 1/8
462 ft. **, HI**

DOD:
Site Name: TROPIC REGIONS TEST CENTER
DOD Component: Army Active
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **TROPIC REGIONS TEST CENTER** **DOD** **CUSA401963**
Region **N/A**
WSW
1/2-1
4658 ft. **, HI**

DOD:
Site Name: TROPIC REGIONS TEST CENTER
DOD Component: Army Active
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

A1 **HECO TRANSFORMER 535 AVOCADO STREET** **SPILLS** **1006821099**
535 AVOCADO ST **N/A**
< 1/8 **WAHIAWA, HI 96786**
1 ft.

Site 1 of 3 in cluster A

Relative: SPILLS:
Lower
Name: HECO TRANSFORMER 535 AVOCADO STREET
Actual: Address: 535 AVOCADO ST
865 ft. Address 2: Not reported
City,State,Zip: WAHIAWA, HI 96786
Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19890620
Facility Registry ID: 110013791432
HID Number: Not reported
Lead and Program: HEER EP&R
ER: Not reported
Less Or Greater Than: Not reported
Units: HECO Transformer 535 Avocado Street
Activity Type: Response
Activity Lead: Not reported
Assignment End Date: Not reported
Result: SOSC NFA
File Under: Hawaiian Electric Co., Inc. (HECO)
Substances: OIL, TRANSFORMER, Possible PCBs
Quanity: Not reported
Units: Not reported
Reported Date: Not reported
Release Date: Not reported
Release Duration: Not reported
Media: Not reported
Waterbody: Not reported
Summary: Not reported

HECO TRANSFORMER 535 AVOCADO STREET (Continued) **1006821099**

Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.493131999999999
Longitude:	-158.02796000000001

A2 **ISLAND POWER HAWAII** **SHWS S117391814**
ENE **567 AVOCADO STREET** **SPILLS N/A**
< 1/8 **WAHIAWA, HI 96786** **HWP**
0.016 mi.
87 ft. **Site 2 of 3 in cluster A**

Relative:
Higher

Actual:
871 ft.

SHWS:

IHEER ID:	2527
Name:	USED OIL AST
Address:	567 AVOCADO ST
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	567 Avocado St
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	05/30/2019
Status name:	ASSESSMENT
Aliases:	Brownfields Low Priority Site
Tax Map Keys:	174001005;

ISLAND POWER HAWAII (Continued) **S117391814**

Latitude:	21.493074
Longitude:	-158.027557

SPILLS:

Name:	ISLAND POWER HAWAII USED OIL AST RELEASE
Address:	567 AVOCADO ST
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
Supplemental Loc. Text:	Not reported
Case Number:	20140717-1508
Facility Registry ID:	Not reported
HID Number:	Not reported
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	>
Units:	Island Power Hawaii used oil AST release
Activity Type:	Response
Activity Lead:	Curtis Martin
Assignment End Date:	2014-07-18 00:00:00
Result:	SOSC NFA
File Under:	Not reported
Substances:	Used oil
Quanity:	0
Units:	Unknown
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	Not reported
Longitude:	Not reported

HWP:

Handler ID:	Not reported
HW File Number:	HW-1231
RCRA Number:	HIR000146076
Name:	ISLAND POWER HAWAII
Address:	567 AVOCADO STREET

ISLAND POWER HAWAII (Continued) **S117391814**

City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported
Handler ID:	HIR000146076
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	ISLAND POWER HAWAII
Address:	567 AVOCADO ST
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	Y
Generator Status:	VSG
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

A3 **ISLAND POWER HAWAII** **RCRA-VSQG** **1026058178**
ENE **567 AVOCADO ST** **HIR000146076**
< 1/8 **WAHIAWA, HI 96786**
0.016 mi.
87 ft. **Site 3 of 3 in cluster A**

Relative: **Higher**
Actual: **871 ft.**

RCRA Listings:

Date Form Received by Agency:		20200205
Handler Name:		Island Power Hawaii
Handler Address:		Avocado St
Handler City,State,Zip:		WAHIAWA, HI 96786
EPA ID:		HIR000146076
Contact Name:		DONALD NARUSE
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		808-621-9944
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		OWNER
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		Not reported
Mailing City,State,Zip:		Not reported
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No

ISLAND POWER HAWAII (Continued) **1026058178**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20200205
Handler Name: ISLAND POWER HAWAII	
Federal Waste Generator Description:	Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

ISLAND POWER HAWAII (Continued) **1026058178**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20200107
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: BROGI
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

B4 **SALVATION ARMY WAHIAWA RESIDE** **HWP** **S132377502**
ESE **520 PINE ST** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.059 mi.
312 ft. **Site 1 of 2 in cluster B**

Relative: HWP:
Higher

Actual:
866 ft.

Handler ID:	Not reported
HW File Number:	HW-0478
RCRA Number:	Not reported
Name:	SALVATION ARMY WAHIAWA RESIDE
Address:	520 PINE ST
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported

C5 **CONSUMER TIRE WAREHOUSE OHAI STREET** **HWP** **S132377624**
WSW **227 OHAI STREET** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.059 mi.
312 ft. **Site 1 of 5 in cluster C**

Relative: HWP:
Lower

Actual:
863 ft.

Handler ID:	Not reported
HW File Number:	HW-1116A
RCRA Number:	HID981657240
Name:	CONSUMER TIRE WAREHOUSE OHAI STREET
Address:	227 OHAI STREET
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported

C6 **CONSUMER TIRE WAREHOUSE** **HWP** **S132375616**
WSW **227 OHAI ST** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.059 mi.
312 ft. **Site 2 of 5 in cluster C**

Relative: HWP:
Lower

Actual:
863 ft.

Handler ID:	HID981657240
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	CONSUMER TIRE WAREHOUSE
Address:	227 OHAI ST
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N

CONSUMER TIRE WAREHOUSE (Continued) **S132375616**

Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

C7 **CONSUMER TIRE WAREHOUSE** **RCRA NonGen / NLR** **1000390333**
WSW **227 OHAI ST** **FINDS** **HID981657240**
< 1/8 **WAHIAWA, HI 96786** **ECHO**
0.059 mi.
312 ft. **Site 3 of 5 in cluster C**

Relative: **Lower**
Actual: **863 ft.**

RCRA Listings:

Date Form Received by Agency:		19931111
Handler Name:		Consumer Tire Warehouse
Handler Address:		227 Ohai St
Handler City,State,Zip:		WAHIAWA, HI 96786
EPA ID:		HID981657240
Contact Name:		BERNARD CHAN
Contact Address:		227 OHAI ST
Contact City,State,Zip:		WAHIAWA, HI 96786
Contact Telephone:		808-621-4886
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		401 N CANE ST
Mailing City,State,Zip:		WAHIAWA, HI 96786
Owner Name:	Interstate Tire Warehouse	
Owner Type:		Private
Operator Name:	Not Required	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline

CONSUMER TIRE WAREHOUSE (Continued) **1000390333**

202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: INTERSTATE TIRE WAREHOUSE	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19931111
Handler Name: CONSUMER TIRE WAREHOUSE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

CONSUMER TIRE WAREHOUSE (Continued) **1000390333**

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	441
NAICS Description:	Motor Vehicle And Parts Dealers
NAICS Code:	811111
NAICS Description:	General Automotive Repair
NAICS Code:	811118
NAICS Description:	Other Automotive Mechanical And Electrical Repair And Maintenance
NAICS Code:	811198
NAICS Description:	All Other Automotive Repair And Maintenance

Has the Facility Received Notices of Violations:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported

CONSUMER TIRE WAREHOUSE (Continued) **1000390333**

Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date:	19960411
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110005725091

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000390333
Registry ID:	110005725091

DFR URL:

Name:	CONSUMER TIRE WAREHOUSE
Address:	227 OHAI ST
City,State,Zip:	WAHIAWA, HI 96786

B8 **SILVER CREST ELDERLY HOUSING** **SHWS** **1006819917**
ESE **529 PINE ST** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.087 mi.
462 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
863 ft.

SHWS:

IHEER ID:	8
Name:	SILVER CREST ELDERLY HOUSING
Address:	529 PINE ST
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu

SILVER CREST ELDERLY HOUSING (Continued) **1006819917**

Environmental Interest:	Silver Crest Elderly Housing
Project Manager:	Laura Young
Hazard Priority:	Unranked
Facility Registry Identifier:	110013777868
Location Description:	529 Pine St
Supplemental Location:	Not reported
Potential Hazards And Controls:	Hazard Undetermined
Assessment:	Assessment Ongoing
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Undetermined
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	02/22/1999
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	(808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	05/30/2019
Status name:	NFA TYPE UNDETERMINED
Aliases:	Brownfields Closed Incomplete Characterization
Tax Map Keys:	174001002; 174001007; 174001030;
Latitude:	21.492736
Longitude:	-158.026864

SHWS:

IHEER ID:	8
Document Type:	Undetermined
Document Title:	Site Screening Sheet For Silver Crest Elderly Housing Project
Document Date:	Feb 2, 1999
Document Number:	50351

IHEER ID:	8
Document Type:	Undetermined
Document Title:	Silver Crest Elderly Housing 529 Pine Street Wahiawa, Hawaii
Document Date:	Jan 7, 1999
Document Number:	50353

IHEER ID:	8
Document Type:	Undetermined
Document Title:	Ust Closure Report Silver Crest Elderly Housing
Document Date:	Dec 8, 1993
Document Number:	50352

C9 **OHAI WWPS** **UST** **U004228180**
West **322 OHAI PL** **Financial Assurance** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.094 mi.
495 ft. **Site 4 of 5 in cluster C**

Relative: UST:
Lower

Name:	OHAI WWPS
Address:	322 Ohai Pl
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201931

Actual:
864 ft.

OHAI WWPS (Continued) **U004228180**

Owner: C&C HNL - DEPT OF ENVIRONMENTAL SERVICES
Owner Address: 1000 ULU'OHIA STREET, SUITE 308
Owner City,St,Zip: Wahiawa, 96786 96786
Latitude: 21.495140
Longitude: -158.031020
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: GPS

Tank ID: M-1
Date Installed: 12/29/1989
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 550
Substance: Diesel

Name: OHAI WWPS
Address: 322 Ohai Pl
City,State,Zip: WAHIAWA, HI 96786

Tank ID: M-1
Date Installed: 12/29/1989
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 550
Substance: Diesel

Name: OHAI WWPS
Address: 322 Ohai Pl
City,State,Zip: WAHIAWA, HI 96786

Tank ID: M-1
Date Installed: 12/29/1989
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 550
Substance: Diesel

HI Financial Assurance:
Name: OHAI WWPS
Address: 322 Ohai Pl
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201931
Tank Id: M-1
Tank Status: Currently in Use
FRTYPE: Other
Expiration Date: 08/16/2022
FR Archive: True

Name: OHAI WWPS
Address: 322 Ohai Pl
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201931
Tank Id: M-1
Tank Status: Currently in Use
FRTYPE: Other
Expiration Date: 08/17/2023
FR Archive: False

C10
West
< 1/8
0.094 mi.
495 ft.

OHAI WWPS
322 OHAI PL
WAHIAWA, HI 96786

Site 5 of 5 in cluster C

UST FINDER **1028283345**
N/A

Relative:
Lower

Actual:
864 ft.

UST FINDER:

Object ID:	109090
Facility ID:	HI9-201931
Name:	OHAI WWPS
Address:	322 OHAI PL
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	1
Closed USTs:	0
TOS USTs:	0
Population 1500ft:	3192
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_1480
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Open UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.03102
Y Coord:	21.49514
Latitude:	21.49514
Longitude:	-158.03102

UST FINDER:

Object ID:	398691
Facility ID:	HI9-201931
Tank ID:	HI9-201931M-1
Tank Status:	Open
Installation Date:	1989/12/29 15:59:59+00
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Diesel
Tank Wall Type:	Not reported

D11 **SERVICE MOTOR COMPANY** **HWP** **S132568577**
NW **105 SOUTH KAMEHAMEHA HIGHWAY** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.095 mi.
499 ft. **Site 1 of 10 in cluster D**

Relative: HWP:
Higher

Actual: Handler ID: Not reported
872 ft. HW File Number: HW-1913
RCRA Number: HID981631385
Name: SERVICE MOTOR COMPANY
Address: 105 SOUTH KAMEHAMEHA HIGHWAY
City,State,Zip: WAHIAWA, HI 96786
Island: Oahu
TMK: Not reported
Active Site: Not reported
Generator Status: Not reported
Transporter: Not reported
Universal Waste: Not reported
Used Oil: Not reported

D12 **SERVICE MOTOR CO** **RCRA-VSQG** **1000432881**
NW **105 S KAM HWY** **LUST** **HID981631385**
< 1/8 **WAHIAWA, HI 96786** **UST**
0.095 mi.
499 ft. **Site 2 of 10 in cluster D**

Relative: RCRA Listings:
Higher

Actual: Date Form Received by Agency: 19961230
872 ft. Handler Name: Service Motor Co
Handler Address: 105 S Kam Hwy
Handler City,State,Zip: WAHIAWA, HI 96786
EPA ID: HID981631385
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 105 S KAM HWY
Mailing City,State,Zip: WAHIAWA, HI 96786
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not Required
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No

SERVICE MOTOR CO (Continued) **1000432881**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SERVICE PACIFIC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999

SERVICE MOTOR CO (Continued) **1000432881**

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19961230
Handler Name: SERVICE MOTOR CO
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19861215
Handler Name: SERVICE MOTOR CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44111
NAICS Description: New Car Dealers

NAICS Code: 44131
NAICS Description: Automotive Parts And Accessories Stores

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported

SERVICE MOTOR CO (Continued) **1000432881**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19951218
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

LUST:

Name:	SERVICE MOTOR CO.
Address:	105 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200881
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	08/27/1999
Release ID:	980211
Project Officer:	Richard Takaba

Name:	SERVICE MOTOR CO.
Address:	105 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200881
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	04/23/2003
Release ID:	030029
Project Officer:	Richard Takaba

SERVICE MOTOR CO (Continued) **1000432881**

UST:

Name:	SERVICE MOTOR CO.
Address:	105 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200881
Owner:	SERVCO PACIFIC, INC.
Owner Address:	P.O. BOX 2788
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.494337
Longitude:	-158.029328
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching
Tank ID:	R-1
Date Installed:	05/05/1946
Tank Status:	**Permanently Out of Use**
Date Closed:	09/29/1997
Tank Capacity:	550
Substance:	Used Oil
Name:	SERVICE MOTOR CO.
Address:	105 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-2
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/04/2002
Tank Capacity:	1000
Substance:	Gasoline
Name:	SERVICE MOTOR CO.
Address:	105 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-3
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/04/2002
Tank Capacity:	550
Substance:	Unknown
Name:	SERVICE MOTOR CO.
Address:	105 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-4
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/04/2002
Tank Capacity:	550
Substance:	Unknown
Name:	SERVICE MOTOR CO.
Address:	105 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

SERVICE MOTOR CO (Continued) **1000432881**

Tank ID:	R-5
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/04/2002
Tank Capacity:	550
Substance:	Unknown

D13 **SERVICE MOTOR CO.** **UST FINDER** **1028283151**
NW **105 S KAMEHAMEHA HWY** **UST FINDER RELEASE** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.095 mi.
499 ft. **Site 3 of 10 in cluster D**

Relative:
Higher

Actual:
872 ft.

UST FINDER:

Object ID:	108954
Facility ID:	HI9-200881
Name:	SERVICE MOTOR CO.
Address:	105 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	5
TOS USTs:	0
Population 1500ft:	3115
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.029328
Y Coord:	21.494337
Latitude:	21.494337
Longitude:	-158.029328

UST FINDER:

Object ID:	402972
Facility ID:	HI9-200881
Tank ID:	HI9-200881R-1
Tank Status:	Closed
Installation Date:	1946/05/05 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Used Oil
Tank Wall Type:	Not reported

SERVICE MOTOR CO. (Continued) **1028283151**

Object ID:	403898
Facility ID:	HI9-200881
Tank ID:	HI9-200881R-2
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	1000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	403899
Facility ID:	HI9-200881
Tank ID:	HI9-200881R-3
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Unknown
Tank Wall Type:	Not reported

Object ID:	403900
Facility ID:	HI9-200881
Tank ID:	HI9-200881R-4
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Unknown
Tank Wall Type:	Not reported

Object ID:	403901
Facility ID:	HI9-200881
Tank ID:	HI9-200881R-5
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Unknown
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	145240
Facility ID:	HI9-200881
Lust ID:	HI030029
Name:	SERVICE MOTOR CO.
Address:	105 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	3031
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported

SERVICE MOTOR CO. (Continued) **1028283151**

SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0291003
Y Coord:	21.4941705700001
Latitude:	21.49417057
Longitude:	-158.0291003

D14 **WALGREENS STORE #13838** **HWP** **S132377101**
NW **135 S KAMEHAMEHA HWY** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.112 mi.
593 ft. **Site 4 of 10 in cluster D**

Relative: **Higher**
Actual: **874 ft.**

HWP:

Handler ID:	HIR000147793
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	WALGREENS STORE #13838
Address:	135 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	Y
Generator Status:	VSG
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

D15 **WALGREENS STORE #13838** **RCRA-VSQG** **1028905886**
NW **135 S KAMEHAMEHA HWY** **HIR000147793**
< 1/8 **WAHIAWA, HI 96786**
0.112 mi.
593 ft. **Site 5 of 10 in cluster D**

Relative: **Higher**
Actual: **874 ft.**

RCRA Listings:

Date Form Received by Agency:	20230907
Handler Name:	Walgreens Store #13838
Handler Address:	S Kamehameha Hwy
Handler City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HIR000147793
Contact Name:	LISA PARKS

WALGREENS STORE #13838 (Continued) **1028905886**

Contact Address:		WILMOT ROAD 5TH FL
Contact City,State,Zip:		DEERFIELD, IL 60015
Contact Telephone:		224-565-5660
Contact Fax:		Not reported
Contact Email:		LISA.PARKS@WALGREENS.COM
Contact Title:		DIRECTOR, EH&S
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		WILMOT ROAD 5TH FL
Mailing City,State,Zip:		DEERFIELD, IL 60015
Owner Name:	Waltrust Properties	
Owner Type:		Private
Operator Name:	Waltrust Properties	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20230907
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

WALGREENS STORE #13838 (Continued) **1028905886**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	H

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D007
Waste Description:	Chromium
Waste Code:	D009
Waste Description:	Mercury
Waste Code:	D010
Waste Description:	Selenium
Waste Code:	D016
Waste Description:	2,4-D (2,4-Dichlorophenoxyacetic Acid)
Waste Code:	D035
Waste Description:	Methyl Ethyl Ketone
Waste Code:	P001
Waste Description:	2h-1-Benzopyran-2-One, 4-Hydroxy-3-(3-Oxo-1-Phenylbutyl)-, & Salts, When Present At Concentrations Greater Than 0.3% (Or) Warfarin, & Salts, When Present At Concentrations Greater Than 0.3%
Waste Code:	P075
Waste Description:	Nicotine, & Salts (Or) Pyridine, 3-(1-Methyl-2-Pyrrolidinyl)-,(S)-, & Salts

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: WALTRUST PROPERTIES	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	104 WILMOT ROAD
Owner/Operator City,State,Zip:	DEERFIELD, IL 60015
Owner/Operator Telephone:	847-315-4139
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: WALTRUST PROPERTIES	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	104 WILMOT ROAD

WALGREENS STORE #13838 (Continued) **1028905886**

Owner/Operator City,State,Zip: DEERFIELD, IL 60015
Owner/Operator Telephone: 847-315-4139
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20230907
Handler Name: WALGREENS STORE #13838
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 456110
NAICS Description: Pharmacies And Drug Retailers

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E16 **MARCUS AND ASSOCIATES** **UST FINDER** **1028283538**
NNW **524 OLIVE ST** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.120 mi.
633 ft. **Site 1 of 5 in cluster E**

Relative:
Higher

Actual:
879 ft.

UST FINDER:
Object ID: 110367
Facility ID: HI9-203710
Name: MARCUS AND ASSOCIATES
Address: 524 OLIVE ST
City,State,Zip: WAHIAWA, HI 96786
Address Match Type: PointAddress
Open USTs: 0
Closed USTs: 1
TOS USTs: 0
Population 1500ft: 3172
Private Wells 1500ft: 0
Within 100yr Floodplain: Not reported
Land Use: Not reported
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported

MARCUS AND ASSOCIATES (Continued) **1028283538**

SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0289795
Y Coord:	21.494853
Latitude:	21.494853
Longitude:	-158.0289795

UST FINDER:

Object ID:	403576
Facility ID:	HI9-203710
Tank ID:	HI9-203710R-1
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	500
Substances:	Diesel
Tank Wall Type:	Not reported

E17 **MARCUS AND ASSOCIATES** **UST** **U003790352**
NNW **524 OLIVE ST** **N/A**
< 1/8 **WAHIAWA, HI 96786**
0.120 mi.
633 ft. **Site 2 of 5 in cluster E**

Relative:
Higher

Actual:
879 ft.

UST:

Name:	MARCUS AND ASSOCIATES
Address:	524 Olive St
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-203710
Owner:	MARCUS AND ASSOCIATES
Owner Address:	1045 MAPUNAPUNA ST
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	Not reported
Longitude:	Not reported
Horizontal Reference Datum Name:	Not reported
Horizontal Collection Method Name:	Not reported
Tank ID:	R-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	10/19/1993
Tank Capacity:	500
Substance:	Diesel

D18
NW
1/8-1/4
0.130 mi.
689 ft.

ALBERTS DRY CLEANERS
95 S KAMEHAMEHA HWY
WAHIAWA, HI 96786

Site 6 of 10 in cluster D

RCRA NonGen / NLR | **1025883844** | **HIP000137885**

Relative:
Higher

Actual:
876 ft.

RCRA Listings:

Date Form Received by Agency:		20060713
Handler Name:		Alberts Dry Cleaners
Handler Address:		95 S Kamehameha Hwy
Handler City,State,Zip:		WAHIAWA, HI 96786
EPA ID:		HIP000137885
Contact Name:		PETER NELSON
Contact Address:		95 S KAMEHAMEHA HWY
Contact City,State,Zip:		WAHIAWA, HI 96786
Contact Telephone:		808-622-4841
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		95 S KAMEHAMEHA HWY
Mailing City,State,Zip:		WAHIAWA, HI 96786
Owner Name:	Alberts Dry Cleaners	
Owner Type:		Private
Operator Name:	Alberts Dry Cleaners	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

ALBERTS DRY CLEANERS (Continued) **1025883844**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20061201
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F002
Waste Description:	The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALBERTS DRY CLEANERS	
Legal Status:	Private
Date Became Current:	19960909
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ALBERTS DRY CLEANERS	
Legal Status:	Private
Date Became Current:	19960909
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060713

ALBERTS DRY CLEANERS (Continued) **1025883844**

Handler Name: ALBERTS DRY CLEANERS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 81232
NAICS Description: Drycleaning And Laundry Services (Except Coin-Operated)

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

ALBERTS DRY CLEANERS (Continued) **1025883844**

Evaluation Action Summary:

Evaluation Date:	20061207
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	AALLE
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

D19 **95 SOUTH KAMEHAMEHA HIGHWAY** **SHWS S126282150**
NW **95 S KAMEHAMEHA HWY** **HWP N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.130 mi.
689 ft. **Site 7 of 10 in cluster D**

Relative: **Higher**
Actual: **876 ft.**

SHWS:

IHEER ID:	2702
Name:	95 SOUTH KAMEHAMEHA HIGHWAY
Address:	95 S KAMEHAMEHA HWY
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	SHWB
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	95 S Kamehameha Hwy
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	RCRA
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	05/30/2019
Status name:	ASSESSMENT
Aliases:	410 Olive Avenue; 410 Olive Avenue Plume
Tax Map Keys:	173002034; 173002035;
Latitude:	21.494554
Longitude:	-158.029625

95 SOUTH KAMEHAMEHA HIGHWAY (Continued) **S126282150**

SHWS:

IHEER ID:	2702
Document Type:	Undetermined
Document Title:	Approval For Soil And Soil Vapor Sampling
Document Date:	Jun 15, 2012
Document Number:	15241
IHEER ID:	2702
Document Type:	Letter of Interest
Document Title:	Notice Of Interest Letter For A Release Of A Hazardous Substance At 95 South Kamehameha Hwy, Wahiawa Hi
Document Date:	Sep 28, 2011
Document Number:	5266
IHEER ID:	2702
Document Type:	Response to Comments
Document Title:	Response To The Request For Information
Document Date:	Dec 27, 2006
Document Number:	141587
IHEER ID:	2702
Document Type:	Request for Information
Document Title:	Request For Information
Document Date:	Dec 12, 2006
Document Number:	141585
IHEER ID:	2702
Document Type:	Undetermined
Document Title:	Data Report, Albert Dry Cleaners
Document Date:	Sep 6, 2006
Document Number:	141586
IHEER ID:	2702
Document Type:	Phase II Environmental Site Assessment
Document Title:	Phase Ii Soil Sampling At 95 South Kamehameha Hwy
Document Date:	Oct 11, 2005
Document Number:	141588

HWP:

Handler ID:	HIR000143792
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	ALBERT'S DRY CLEANER
Address:	95 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN
Handler ID:	HIP000137885
HW File Number:	Not reported

95 SOUTH KAMEHAMEHA HIGHWAY (Continued) **S126282150**

RCRA Number:	Not reported
Name:	ALBERTS DRY CLEANERS
Address:	95 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN
Handler ID:	Not reported
HW File Number:	00-HW-1023
RCRA Number:	HIP000137885, HIR000143792
Name:	ALBERT'S DRY CLEANERS
Address:	95 SOUTH KAMEHAMEHA HIGHWAY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported

D20 **ALBERT'S DRY CLEANER** **RCRA NonGen / NLR** **1019327469**
NW **95 S KAMEHAMEHA HWY** **HIR000143792**
1/8-1/4 **WAHIAWA, HI 96786**
0.130 mi.
689 ft. **Site 8 of 10 in cluster D**

Relative: **Higher**
Actual: **876 ft.**

RCRA Listings:

Date Form Received by Agency:	20160719
Handler Name:	Albert'S Dry Cleaner
Handler Address:	S Kamehameha Hwy
Handler City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HIR000143792
Contact Name:	DAVID NAKAMURA
Contact Address:	1001 DILLINGHAM BLVD #208
Contact City,State,Zip:	HONOLULU, HI 96817
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	OWNER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1001 DILLINGHAM BLVD #208
Mailing City,State,Zip:	HONOLULU, HI 96817
Owner Name:	Not reported
Owner Type:	Not reported

ALBERT'S DRY CLEANER (Continued) **1019327469**

Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160719
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20160719
Handler Name:	ALBERT'S DRY CLEANER
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

ALBERT'S DRY CLEANER (Continued) **1019327469**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Closure/Post-Closure
Date Violation was Determined: 20140424
Actual Return to Compliance Date: 20221202
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20150211
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: GSIMM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Permits - General Information
Date Violation was Determined: 20121030
Actual Return to Compliance Date: 20140424
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20121211
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No

ALBERT'S DRY CLEANER (Continued) **1019327469**

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	SAMN
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Closure/Post-Closure
Date Violation was Determined:	20140424
Actual Return to Compliance Date:	20221202
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20160418
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	LETTER OF INTENT TO INITIATE ENFORCEMENT ACTION
Enforcement Responsible Person:	GSIMM
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

ALBERT'S DRY CLEANER (Continued) **1019327469**

Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Closure/Post-Closure
Date Violation was Determined: 20140424
Actual Return to Compliance Date: 20221202
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20140424
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: GSIMM
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-Container Use and Management
Date Violation was Determined: 20121030
Actual Return to Compliance Date: 20140424
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20121211
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No

ALBERT'S DRY CLEANER (Continued) **1019327469**

Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: SAMN
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20121029
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: SAMN
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20221202
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20121029
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: SAMN
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20140424
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20121029
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: SAMN
Evaluation Responsible Sub-Organization: Not reported

ALBERT'S DRY CLEANER (Continued) **1019327469**

Actual Return to Compliance Date:	20221202
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20121029
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	SAMN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20221202
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20121029
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	SAMN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

D21 **410 OLIVE AVENUE** **SHWS** **S111676978**
NW **410 OLIVE AVE** **SPILLS** **N/A**
1/8-1/4 **WAHIAWA, HI 96786** **HWP**
0.135 mi.
711 ft. **Site 9 of 10 in cluster D**

Relative: SHWS:
Higher

IHEER ID:	2700
Name:	410 OLIVE AVENUE
Address:	410 OLIVE AVE
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	SHWB
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	410 Olive Ave
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported

Actual:
874 ft.

410 OLIVE AVENUE (Continued) **S111676978**

Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	RCRA
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	05/30/2019
Status name:	NFA
Aliases:	410 Olive Avenue Plume; 95 South Kamehameha Highway; Albert s Dry Cleaning; Brownfields Dry Cleaning Facilities
Tax Map Keys:	173002034; 173002035;
Latitude:	21.494485
Longitude:	-158.029807

SHWS:

IHEER ID:	2700
Document Type:	Review Letter
Document Title:	Comments To Soil And Soil Vapor Sampling And Analysis, 410 Olive Ave, Wahiawa Hi, Aug 27, 2012
Document Date:	Sep 24, 2012
Document Number:	135891

IHEER ID:	2700
Document Type:	Review Letter
Document Title:	Comments To Soil And Soil Vapor Sampling And Analysis, 410 Olive Ave, Wahiawa Hi, Aug 27, 2012
Document Date:	Sep 24, 2012
Document Number:	135890

IHEER ID:	2700
Document Type:	Review Letter
Document Title:	Comments To Work Plan Additional Soil Vapor Sampling To Delineate Tetrachloroethene Plume, 410 Olive Ave, Wahiawa
Document Date:	Sep 24, 2012
Document Number:	13884

IHEER ID:	2700
Document Type:	Review Letter
Document Title:	Comments To Work Plan Additional Soil Vapor Sampling To Delineate Tetrachloroethene Plume, 410 Olive Ave, Wahiawa Hi Aug 28, 2012
Document Date:	Sep 24, 2012
Document Number:	135892

IHEER ID:	2700
Document Type:	Site Characterization Report
Document Title:	Additional Soil Vapor Sampling (Two Samples), 71 S Kamehameha Hwy, Enpro Project Number: 1208-00431-Ph2
Document Date:	Sep 10, 2012
Document Number:	135889

IHEER ID:	2700
Document Type:	Site Characterization Work Plan

410 OLIVE AVENUE (Continued) **S111676978**

Document Title: Work Plan Additional Soil Vapor Sampling To Delineate Tetrachloroethene Plume, 410 Olive Ave, Wahiawa Hi Aug 28, 2012
Document Date: Aug 28, 2012
Document Number: 135885

IHEER ID: 2700
Document Type: Site Characterization Report
Document Title: Soil And Soil Vapor Sampling And Analysis, 410 Olive Ave, Wahiawa Hi, Aug 27, 2012
Document Date: Aug 27, 2012
Document Number: 135887

IHEER ID: 2700
Document Type: Review Letter
Document Title: Comments To Work Plan (Revision 1) Additional Soil Vapor And Shallow Soil Sampling, 410 Olive Ave, Wahiawa Hi
Document Date: Jun 14, 2012
Document Number: 135894

IHEER ID: 2700
Document Type: Review Letter
Document Title: Work Plan (Revision 1) Additional Soil Vapor And Shallow Soil Sampling, 410 Olive Ave, Wahiawa Hi
Document Date: Jun 14, 2012
Document Number: 135899

IHEER ID: 2700
Document Type: Site Characterization Work Plan
Document Title: Work Plan (Revision 1) Additional Soil Vapor And Shallow Soil Sampling, 410 Olive Ave, Wahiawa Hi
Document Date: Jun 12, 2012
Document Number: 135883

IHEER ID: 2700
Document Type: Site Characterization Work Plan
Document Title: Work Plan Additional Soil Vapor And Shallow Soil Sampling 410 Olive Ave, Wahiawa Hi May 23, 2012
Document Date: May 23, 2012
Document Number: 135893

IHEER ID: 2700
Document Type: Review Letter
Document Title: Comments To Phase Ii Esa Soil Vapor Sampling And Analysis Results 410 Olive Ave, Wahiawa Hi, Enpro Project Number: 1110-00408-Ph2
Document Date: May 10, 2012
Document Number: 135895

IHEER ID: 2700
Document Type: Review Letter
Document Title: Comments To Phase Ii Esa Soil Vapor Sampling And Analysis Results 410 Olive Ave, Wahiawa Hi, Enpro Project Number: 1110-00408-Ph2
Document Date: May 10, 2012
Document Number: 135886

IHEER ID: 2700
Document Type: Undetermined
Document Title: Cover Letter For Phase Ii Esa Soil Vapor Sampling And Analysis Results

410 OLIVE AVENUE (Continued) **S111676978**

	And Request For Nfa
Document Date:	Mar 28, 2012
Document Number:	135884
IHEER ID:	2700
Document Type:	Site Characterization Report
Document Title:	Soil Vapor Sampling And Analysis Results 410 Olive Ave, Wahiawa Hi, Enpro Project Number: 1110-00408-Ph2
Document Date:	Mar 28, 2012
Document Number:	135901
IHEER ID:	2700
Document Type:	Site Characterization Work Plan
Document Title:	Email And Work Plan Re: 410 Olive Ave Soil, Work Plan For Vapor Sampling And Analysis (Revision 2)
Document Date:	Jan 5, 2012
Document Number:	135897
IHEER ID:	2700
Document Type:	Review Letter
Document Title:	Comments To Phase Ii Work Plan For Soil Vapor Sampling And Analysis (Revision 1) 410 Olive Ave, Wahiawa Hi 96766
Document Date:	Dec 22, 2011
Document Number:	135898
IHEER ID:	2700
Document Type:	Site Characterization Work Plan
Document Title:	Phase Ii Work Plan For Soil Vapor Sampling And Analysis (Revision 1) 410 Olive Ave, Wahiawa Hi 96766
Document Date:	Dec 6, 2011
Document Number:	135888
IHEER ID:	2700
Document Type:	Review Letter
Document Title:	Comments To Phase I Esa And Phase Ii Esa
Document Date:	Sep 15, 2011
Document Number:	14275
IHEER ID:	2700
Document Type:	Phase II Environmental Site Assessment
Document Title:	Phase Ii Esa, 410 Olive Ave, Wahiawa Hi
Document Date:	Sep 16, 2010
Document Number:	135896
IHEER ID:	2700
Document Type:	Phase I Environmental Site Assessment
Document Title:	Phase I Esa, 410 Olive Ave, Wahiawa Hi
Document Date:	Aug 26, 2010
Document Number:	135900

SPILLS:

Name:	410 OLIVE AVENUE
Address:	410 OLIVE AVE
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI
Island:	Oahu

410 OLIVE AVENUE (Continued) **S111676978**

Supplemental Loc. Text:	TMK 1-7-3-002:035
Case Number:	20110714-1428
Facility Registry ID:	Not reported
HID Number:	Not reported
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	Not reported
Units:	410 Olive Avenue
Activity Type:	Response
Activity Lead:	Liz Galvez
Assignment End Date:	2011-07-19 00:00:00
Result:	Refer to SDAR
File Under:	Peter J. A. Nelson
Substances:	Tetrachloroethylene
Quanity:	0
Units:	Unknown
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported

Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.49438
Longitude:	-158.02976000000001

Name:	410 OLIVE AVENUE
Address:	410 OLIVE AVE
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI
Island:	Oahu
Supplemental Loc. Text:	TMK 1-7-3-002:035
Case Number:	20110714-1428
Facility Registry ID:	Not reported
HID Number:	Not reported
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	Not reported
Units:	410 Olive Avenue
Activity Type:	Response
Activity Lead:	Liz Galvez
Assignment End Date:	2011-07-19 00:00:00

410 OLIVE AVENUE (Continued) **S111676978**

Result:	Refer to SDAR
File Under:	Peter J. A. Nelson
Substances:	Trichloroethene
Quanity:	0
Units:	Unknown
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.49438
Longitude:	-158.02976000000001

HWP:

Handler ID:	HIR000143784
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	ALBERT'S DRY CLEANER OLIVE AVE WAREHOUSE
Address:	410 OLIVE AVENUE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

D22 **ALBERT'S DRY CLEANER OLIVE AVE WAREHOUSE** **RCRA-TSDF** **1019323189**
NW **410 OLIVE AVENUE** **RCRA NonGen / NLR** **HIR000143784**
1/8-1/4 **WAHIAWA, HI 96786**
0.135 mi.
711 ft. **Site 10 of 10 in cluster D**

Relative:
Higher

Actual:
874 ft.

RCRA TSDF:

Treatment Storage and Disposal Type:	Land Disposal
Full Enforcement Universe:	Not reported
Corrective Action Workload Universe:	No
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported

ALBERT'S DRY CLEANER OLIVE AVE WAREHOUSE (Continued) **1019323189**

Permit Progress Universe:	Land Disposal
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

RCRA Listings:

Date Form Received by Agency:	20160719
Handler Name:	Albert'S Dry Cleaner Olive Ave Warehouse
Handler Address:	Olive Avenue
Handler City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HIR000143784
Contact Name:	ANH NELSON
Contact Address:	90 S KAMEHAMEHA HWY
Contact City,State,Zip:	WAHIAWA, HI 96786
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	OWNER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	90 S KAMEHAMEHA HWY
Mailing City,State,Zip:	WAHIAWA, HI 96786
Owner Name:	Mr. Peter And Mrs. Ahn Nelson
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported

ALBERT'S DRY CLEANER OLIVE AVE WAREHOUSE (Continued) **1019323189**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160719
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MR. PETER AND MRS. AHN NELSON
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20160719
Handler Name:	ALBERT'S DRY CLEANER OLIVE AVE WAREHOUSE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

ALBERT'S DRY CLEANER OLIVE AVE WAREHOUSE (Continued) **1019323189**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E23 **WAHIAWA UNION** **LUST U003154887**
NNW **58 S KAMEHAMEHA HWY** **UST N/A**
1/8-1/4 **WAHIAWA, HI 96786** **Financial Assurance**
0.161 mi. **HWP**
851 ft. **Site 3 of 5 in cluster E**

Relative: Higher
Actual: 880 ft.

LUST:
Name: WAHIAWA UNION
Address: 58 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200104
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 06/19/2001
Release ID: 010023
Project Officer: Shumin Liu

UST:
Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200104
Owner: Tosco Marketing Company
Owner Address: P. O. Box 25376
Owner City,St,Zip: Wahiawa, 96786 96786
Latitude: 21.495374
Longitude: -158.029301
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: GPS

Tank ID: R-3
Date Installed: 06/01/1989
Tank Status: **Permanently Out of Use**

WAHIAWA UNION (Continued) **U003154887**

Date Closed: 01/10/2001
Tank Capacity: 10000
Substance: Diesel

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-4334-1
Date Installed: 10/13/1982
Tank Status: **Permanently Out of Use**
Date Closed: 01/20/2001
Tank Capacity: 10000
Substance: Gasoline

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-4334-2
Date Installed: 10/13/1982
Tank Status: **Permanently Out of Use**
Date Closed: 01/10/2001
Tank Capacity: 10000
Substance: Gasoline

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-4334-3
Date Installed: 01/01/1957
Tank Status: **Permanently Out of Use**
Date Closed: 06/01/1989
Tank Capacity: 8000
Substance: Diesel

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-4334-4-1
Date Installed: 10/13/1957
Tank Status: **Permanently Out of Use**
Date Closed: 06/15/1989
Tank Capacity: 550
Substance: Used Oil

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-4334-4-2
Date Installed: 06/01/1989
Tank Status: **Permanently Out of Use**
Date Closed: 01/10/2001
Tank Capacity: 520

WAHIAWA UNION (Continued) **U003154887**

Substance: Used Oil

HI Financial Assurance:
Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200104
Tank Id: R-4334-1
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200104
Tank Id: R-4334-4-2
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200104
Tank Id: R-4334-4-1
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200104
Tank Id: R-4334-2
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200104
Tank Id: R-3
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA UNION
Address: 58 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200104

WAHIAWA UNION (Continued) **U003154887**

Tank Id: R-4334-3
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

HWP:
Handler ID: HID984468934
HW File Number: Not reported
RCRA Number: Not reported
Name: UNOCAL 76 SS L 4334
Address: 58 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786
Island: Not reported
TMK: Not reported
Active Site: N
Generator Status: N
Transporter: N
Universal Waste: N
Used Oil: NNNNNNN

E24 **WAHIAWA UNION** **RCRA NonGen / NLR** **1000823254**
NNW **58 S KAMEHAMEHA HWY** **FINDS** **HID984468934**
1/8-1/4 **WAHIAWA, HI 96786** **ECHO**
0.161 mi.
851 ft. **Site 4 of 5 in cluster E**

Relative: **Higher**
Actual: **880 ft.**

RCRA Listings:
Date Form Received by Agency: 19930827
Handler Name: Unocal 76 Ss L 4334
Handler Address: S Kamehameha Hwy
Handler City,State,Zip: WAHIAWA, HI 96786
EPA ID: HID984468934
Contact Name: A FRITZ
Contact Address: PO BOX 659
Contact City,State,Zip: HONOLULU, HI 96809
Contact Telephone: 808-522-7657
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: PO BOX 659
Mailing City,State,Zip: HONOLULU, HI 96809
Owner Name: Unocal 76
Owner Type: Private
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No

WAHIAWA UNION (Continued) **1000823254**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: UNOCAL 76	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	911 WILSHIRE BLVD STE 1010
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90017
Owner/Operator Telephone:	213-977-7600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19930827
Handler Name: UNOCAL 76 SS L 4334	

WAHIAWA UNION (Continued) **1000823254**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110014056449

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Environmental Health Warehouse (EHW) is primarily Hawaii Department of Health Environmental Health Administration's (HDOH-EHA) environmental interest data. The web-based application allows EHA to inquire about sites in Hawaii that are regulated by the administration due to activities that affect the environment, regardless of the regulation or program that directly monitors those activities. The system allows users a consolidated view of sites and their environmental interests without disrupting the underlying source systems or the staff involved as they process their day-to-day workload. The EHW offers geo-spatial and tabular inquiry, mapping, reconciliation/data consolidation and utilizes GIS services to derive additional geo-data for environmental interests.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000823254
Registry ID: 110014056449

DFR URL:
Name: WAHIAWA UNION
Address: 58 S KAMEHAMEHA HWY

WAHIAWA UNION (Continued) **1000823254**

City,State,Zip: WAHIAWA, HI 96786

E25 **WAHIAWA UNION** **UST FINDER** **1028283008**
NNW **58 S KAMEHAMEHA HWY** **UST FINDER RELEASE** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.161 mi.
851 ft. **Site 5 of 5 in cluster E**

Relative:
Higher

Actual:
880 ft.

UST FINDER:
Object ID: 108856
Facility ID: HI9-200104
Name: WAHIAWA UNION
Address: 58 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786
Address Match Type: Not reported
Open USTs: 0
Closed USTs: 6
TOS USTs: 0
Population 1500ft: 3292
Private Wells 1500ft: 0
Within 100yr Floodplain: Not reported
Land Use: Not reported
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: Yes
WHPA PWS Facility ID: HI0000333_721
WHPA Water Type: GW - Ground water
WHPA Facility Type: WL - Well
WHPA HUC12: 200600000102
Facility Status: Closed UST(s)
Date of Last Inspection: Not reported
EPA Region: 9
Tribe: Not reported
Coordinate Source: State
X Coord: -158.029301
Y Coord: 21.495374
Latitude: 21.495374
Longitude: -158.029301

UST FINDER:
Object ID: 402225
Facility ID: HI9-200104
Tank ID: HI9-200104R-4334-3
Tank Status: Closed
Installation Date: 1957/01/01 16:00:01+00
Removal Date: Not reported
Tank Capacity: 8000
Substances: Diesel
Tank Wall Type: Not reported

Object ID: 402793
Facility ID: HI9-200104
Tank ID: HI9-200104R-4334-4-1
Tank Status: Closed
Installation Date: 1957/10/13 16:00:01+00

WAHIAWA UNION (Continued) **1028283008**

Removal Date: Not reported
Tank Capacity: 550
Substances: Used Oil
Tank Wall Type: Not reported

Object ID: 398779
Facility ID: HI9-200104
Tank ID: HI9-200104R-3
Tank Status: Closed
Installation Date: 1989/06/01 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Diesel
Tank Wall Type: Not reported

Object ID: 398780
Facility ID: HI9-200104
Tank ID: HI9-200104R-4334-4-2
Tank Status: Closed
Installation Date: 1989/06/01 16:00:00+00
Removal Date: Not reported
Tank Capacity: 520
Substances: Used Oil
Tank Wall Type: Not reported

Object ID: 399767
Facility ID: HI9-200104
Tank ID: HI9-200104R-4334-1
Tank Status: Closed
Installation Date: 1982/10/13 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 399768
Facility ID: HI9-200104
Tank ID: HI9-200104R-4334-2
Tank Status: Closed
Installation Date: 1982/10/13 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

UST FINDER RELEASE:
Object ID: 145917
Facility ID: HI9-200104
Lust ID: HI010023
Name: WAHIAWA UNION
Address: 58 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 0
Address Match Type: PointAddress
Reported Date: Not reported
Status: No Further Action
Substance: Not reported

WAHIAWA UNION (Continued) **1028283008**

Population within 1500ft:	3317
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0294837
Y Coord:	21.49515051
Latitude:	21.4951505099999
Longitude:	-158.029483699999

F26 **CITY AND COUNTY WAHIAWA REFUSE CONVENIENCE CENTER** **SWRCY** **S130601060**
SW **71-129 WILIKINA DRIVE** **N/A**
1/8-1/4 **WAHIAWA, HI**
0.181 mi.
955 ft. **Site 1 of 2 in cluster F**

Relative: SWRCY:
Lower

Actual: Permit Number:	CC-0045-20
853 ft. Name:	CITY AND COUNTY WAHIAWA REFUSE CONVENIENCE CENTER
Address:	71-129 WILIKINA DRIVE
City,State,Zip:	WAHIAWA, HI
Materials:	household waste
Island:	Oahu
TMK:	710120020000
Closure Date:	Not reported
Type:	Not reported
Status:	Not reported
Acreage:	5.69
Latitude:	21.50182965
Longitude:	-158.05250303

F27
SW
1/8-1/4
0.201 mi.
1062 ft.

SCHOFIELD BARRACKS (USARMY)
SCHOFIELD BARRACKS (USARMY)
SCHOFIELD, HI 96857

Site 2 of 2 in cluster F

Delisted NPL
SEMS
US ENG CONTROLS
ROD
PFAS NPL

1000332429
HI7210090026

Relative:
Lower

Actual:
858 ft.

Delisted NPL:

EPA Region:	09
EPA ID:	HI7210090026
Site ID:	0902923
Name:	SCHOFIELD BARRACKS (USARMY)
Address:	SCHOFIELD BARRACKS (USARMY)
City,State,Zip:	SCHOFIELD, HI 96857
Federal Description:	Y
Latitude:	21.490694
NAI:	N
Native American Entity:	Not reported
Longitude:	-158.030139
Deleted Date:	2000-08-10 00:00:00

Narr:

Site Name:	Schofield Barracks (USARMY)
Site EPA ID:	HI7210090026
Deletion Date:	8/10/2000
Site Score:	28.9

Site List URL:

Site Progress URL:

Notice URL:

Delete URL:

Site Location URL:

Federal Facility Indicator:	Yes

SEMS:

Site ID:	0902923
EPA ID:	HI7210090026
Name:	SCHOFIELD BARRACKS (USARMY)
Address:	SCHOFIELD BARRACKS (USARMY)
Address 2:	Not reported
City,State,Zip:	SCHOFIELD, HI 96857
Cong District:	02,2
FIPS Code:	15003
Latitude:	21.490694
Longitude:	-158.030139
FF:	Y
NPL:	Deleted from the Final NPL
Non NPL Status:	Not reported

SEMS Detail:

Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	2000-07-24 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	00
Action Code:	CQ
Action Name:	FCOR
SEQ:	1
Start Date:	2000-05-01 04:00:00
Finish Date:	2000-05-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	00
Action Code:	CM
Action Name:	PCOR
SEQ:	1
Start Date:	1998-09-22 04:00:00
Finish Date:	1998-09-22 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1987-06-01 04:00:00
Finish Date:	1987-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	00
Action Code:	TU
Action Name:	NOID
SEQ:	1
Start Date:	2000-05-22 04:00:00
Finish Date:	2000-05-22 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	00
Action Code:	ND
Action Name:	DELETION
SEQ:	1
Start Date:	2000-06-10 04:00:00
Finish Date:	2000-08-10 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1990-08-30 04:00:00
Finish Date:	1990-08-30 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1989-07-14 04:00:00
Finish Date:	1989-07-14 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1987-06-01 04:00:00
Finish Date: 1987-06-01 04:00:00
Qual: L
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-12-01 06:00:00
Finish Date: 1985-12-01 06:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1987-06-01 04:00:00
Finish Date: 1987-06-01 04:00:00
Qual: L
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 01
Action Code: LW
Action Name: FF RI/FS
SEQ: 1
Start Date: 1991-09-27 04:00:00
Finish Date: 1996-01-24 05:00:00

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1996-01-24 05:00:00
Finish Date:	1996-01-24 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	02
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	4
Start Date:	1991-09-27 04:00:00
Finish Date:	1997-02-07 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	4
Start Date:	1997-02-07 05:00:00
Finish Date:	1997-02-07 05:00:00
Qual:	R
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902923
EPA ID:	HI7210090026
Site Name:	SCHOFIELD BARRACKS (USARMY)
NPL:	D
FF:	Y
OU:	03
Action Code:	LW
Action Name:	FF RI/FS

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

SEQ: 2
Start Date: 1991-09-27 04:00:00
Finish Date: 1996-11-08 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 1996-11-08 05:00:00
Finish Date: 1996-11-08 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 2
Start Date: 1997-06-01 04:00:00
Finish Date: 1998-09-10 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 04
Action Code: LX
Action Name: FF RD
SEQ: 2
Start Date: 1996-08-01 04:00:00
Finish Date: 1996-09-13 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

OU: 04
Action Code: LW
Action Name: FF RI/FS
SEQ: 3
Start Date: 1991-09-27 04:00:00
Finish Date: 1996-09-26 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902923
EPA ID: HI7210090026
Site Name: SCHOFIELD BARRACKS (USARMY)
NPL: D
FF: Y
OU: 04
Action Code: RO
Action Name: ROD
SEQ: 3
Start Date: 1996-09-26 04:00:00
Finish Date: 1996-09-26 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

SIte:
Name: SCHOFIELD BARRACKS (USARMY)
Address: SCHOFIELD BARRACKS (USARMY)
Address 2: Not reported
City,State,Zip: SCHOFIELD, HI 96857
Event Code: Not reported
Action Taken Date: 02/07/1997
EPA ID: HI7210090026
Action Name: Record of Decision
Action ID: 4
Operable Unit: 02
Contaminated Media: Groundwater
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Deleted from the Final NPL
Superfund Alternative Agreement: N
Latitude: 21.490694
Longitude: -158.030139

Media:
EPA ID: HI7210090026
Contaminated Media: Sediment
Action ID: 2
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 11/08/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Deleted from the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.490694
Longitude:	-158.030139

EPA ID:	HI7210090026
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	11/08/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Deleted from the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.490694
Longitude:	-158.030139

EPA ID:	HI7210090026
Contaminated Media:	Other
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	01/24/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Deleted from the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.490694
Longitude:	-158.030139

EPA ID:	HI7210090026
Contaminated Media:	Groundwater
Action ID:	4
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/07/1997
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Deleted from the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.490694

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

Longitude:	-158.030139
EPA ID:	HI7210090026
Contaminated Media:	Groundwater
Action ID:	4
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/07/1997
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Deleted from the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.490694
Longitude:	-158.030139

EPA ID:	HI7210090026
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	11/08/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1997
NPL Status:	Deleted from the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.490694
Longitude:	-158.030139

ROD:

Name:	SCHOFIELD BARRACKS (USARMY)
Address:	Schofield Barracks (Usarmy)
City,State,Zip:	SCHOFIELD, HI 96857
EPA ID:	HI7210090026
RG:	9
Site ID:	902923
Action:	FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number:	POSSIBLE TCE SOURCES
SEQ ID:	1
Action Completion:	1996-01-24 00:00:00
NPL Status:	Deleted
Non NPL Status:	Not reported

Name:	SCHOFIELD BARRACKS (USARMY)
Address:	Schofield Barracks (Usarmy)
City,State,Zip:	SCHOFIELD, HI 96857
EPA ID:	HI7210090026
RG:	9
Site ID:	902923

SCHOFIELD BARRACKS (USARMY) (Continued) **1000332429**

Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: BASEWIDE MISC
SEQ ID: 2
Action Completion: 1996-11-08 00:00:00
NPL Status: Deleted
Non NPL Status: Not reported

Name: SCHOFIELD BARRACKS (USARMY)
Address: Schofield Barracks (Usarmy)
City,State,Zip: SCHOFIELD, HI 96857
EPA ID: HI7210090026
RG: 9
Site ID: 902923
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: LANDFILL
SEQ ID: 3
Action Completion: 1996-09-26 00:00:00
NPL Status: Deleted
Non NPL Status: Not reported

Name: SCHOFIELD BARRACKS (USARMY)
Address: Schofield Barracks (Usarmy)
City,State,Zip: SCHOFIELD, HI 96857
EPA ID: HI7210090026
RG: 9
Site ID: 902923
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: GROUNDWATER
SEQ ID: 4
Action Completion: 1997-02-07 00:00:00
NPL Status: Deleted
Non NPL Status: Not reported

PFAS NPL:
EPA Region: 09
Name: SCHOFIELD BARRACKS (USARMY)
Address: SCHOFIELD BARRACKS (USARMY)
City,State,Zip: SCHOFIELD, HI 96857
EPAID: HI7210090026

Superfund Link:
Data Systems: SEMS
Location Type: Not reported
NPL Site: Yes
NPL Status: Deleted
Media Detected: Not reported
Latitude: 21.490694
Longitude: -158.030139

EJSCREEN Report:

G28 **SHELL OIL CO** **RCRA NonGen / NLR** **1001076469**
NNW **10 S KAMEHAMEHA HWY** **FINDS** **HIR000000497**
1/8-1/4 **WAHIAWA, HI 96786** **ECHO**
0.203 mi.
1072 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
884 ft.

RCRA Listings:

Date Form Received by Agency:		19961230
Handler Name:		Shell Oil Co
Handler Address:		10 S Kamehameha Hwy
Handler City,State,Zip:		WAHIAWA, HI 96786
EPA ID:		HIR000000497
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10 S KAMEHAMEHA HWY
Mailing City,State,Zip:		WAHIAWA, HI 96786
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

SHELL OIL CO (Continued) **1001076469**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SHELL OIL CO	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 4848
Owner/Operator City,State,Zip:	ANAHEIM, CA 92803
Owner/Operator Telephone:	714-520-3312
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19961230
Handler Name: SHELL OIL CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19951129
Handler Name: SHELL OIL CO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

SHELL OIL CO (Continued) **1001076469**

List of NAICS Codes and Descriptions:
NAICS Code: 4471
NAICS Description: Gasoline Stations

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19961122
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

SHELL OIL CO (Continued) **1001076469**

FINDS:
Registry ID: 110013778894

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Environmental Health Warehouse (EHW) is primarily Hawaii Department of Health Environmental Health Administration's (HDOH-EHA) environmental interest data. The web-based application allows EHA to inquire about sites in Hawaii that are regulated by the administration due to activities that affect the environment, regardless of the regulation or program that directly monitors those activities. The system allows users a consolidated view of sites and their environmental interests without disrupting the underlying source systems or the staff involved as they process their day-to-day workload. The EHW offers geo-spatial and tabular inquiry, mapping, reconciliation/data consolidation and utilizes GIS services to derive additional geo-data for environmental interests.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001076469
Registry ID: 110013778894

DFR URL:
Name: SHELL OIL CO
Address: 10 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786

G29 **F & M FOOD MART CORP** **LUST** **U003154917**
NNW **10 S KAMEHAMEHA HWY** **UST** **N/A**
1/8-1/4 **WAHIAWA, HI 96786** **Financial Assurance**
0.203 mi. **HWP**
1072 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
884 ft.

LUST:
Name: F & M FOOD MART CORP
Address: 10 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-201033
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 09/08/1998
Release ID: 950136
Project Officer: Shaobin Li

Name: F & M FOOD MART CORP
Address: 10 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-201033
Facility Status: Site Cleanup Completed (NFA)

F & M FOOD MART CORP (Continued) **U003154917**

Facility Status Date: 12/22/1999
Release ID: 990240
Project Officer: Shaobin Li

Name: F & M FOOD MART CORP
Address: 10 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-201033
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 02/07/1995
Release ID: 940061
Project Officer: Shaobin Li

Name: F & M FOOD MART CORP
Address: 10 S KAMEHAMEHA HWY
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-201033
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 03/15/2000
Release ID: 000064
Project Officer: Shaobin Li

UST:
Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-201033
Owner: EQUILON ENTERPRISES, LLC DBA SHELL OIL PRODUCTS US
Owner Address: 2555 13TH AVE, SW
Owner City,St,Zip: Wahiawa, 96786 96786
Latitude: 21.495711
Longitude: -158.029559
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: GPS

Tank ID: R-1
Date Installed: 04/22/1980
Tank Status: **Permanently Out of Use**
Date Closed: 09/01/1999
Tank Capacity: 8000
Substance: Gasoline

Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-2
Date Installed: 04/22/1980
Tank Status: **Permanently Out of Use**
Date Closed: 09/01/1999
Tank Capacity: 8000
Substance: Gasoline

Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

F & M FOOD MART CORP (Continued) **U003154917**

Tank ID: R-3
Date Installed: 04/22/1980
Tank Status: **Permanently Out of Use**
Date Closed: 09/01/1999
Tank Capacity: 8000
Substance: Gasoline

Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-4
Date Installed: 04/22/1970
Tank Status: **Permanently Out of Use**
Date Closed: 01/13/2000
Tank Capacity: 2000
Substance: Used Oil

HI Financial Assurance:
Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201033
Tank Id: R-3
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201033
Tank Id: R-4
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201033
Tank Id: R-2
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: F & M FOOD MART CORP
Address: 10 S Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201033
Tank Id: R-1
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported

F & M FOOD MART CORP (Continued) **U003154917**

FR Archive: False

HWP:

Handler ID:	Not reported
HW File Number:	HW-1914D
RCRA Number:	HIR000000497
Name:	SHELL OIL CO
Address:	10 SOUTH KAMEHAMEHA HIGHWAY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported

Handler ID:	HIR000000497
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	SHELL OIL CO
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

G30 **F & M FOOD MART CORP** **UST FINDER** **1028283194**
NNW **10 S KAMEHAMEHA HWY** **UST FINDER RELEASE** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.203 mi.
1072 ft. **Site 3 of 3 in cluster G**

Relative: **Higher**

Actual: **884 ft.**

UST FINDER:

Object ID:	108980
Facility ID:	HI9-201033
Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	4
TOS USTs:	0
Population 1500ft:	3304
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes

F & M FOOD MART CORP (Continued) **1028283194**

WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.029559
Y Coord:	21.495711
Latitude:	21.495711
Longitude:	-158.029559

UST FINDER:

Object ID:	400110
Facility ID:	HI9-201033
Tank ID:	HI9-201033R-1
Tank Status:	Closed
Installation Date:	1980/04/22 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	8000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	400111
Facility ID:	HI9-201033
Tank ID:	HI9-201033R-2
Tank Status:	Closed
Installation Date:	1980/04/22 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	8000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	400112
Facility ID:	HI9-201033
Tank ID:	HI9-201033R-3
Tank Status:	Closed
Installation Date:	1980/04/22 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	8000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	401303
Facility ID:	HI9-201033
Tank ID:	HI9-201033R-4
Tank Status:	Closed
Installation Date:	1970/04/22 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	2000
Substances:	Used Oil
Tank Wall Type:	Not reported

UST FINDER RELEASE:

F & M FOOD MART CORP (Continued) **1028283194**

Object ID:	145215
Facility ID:	HI9-201033
Lust ID:	HI940061
Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	3313
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0297152
Y Coord:	21.4957538900001
Latitude:	21.49575389
Longitude:	-158.029715199999

H31 **PANDA EXPRESS** **HWP** **S132378262**
North **609 CALIFORNIA AVE** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.213 mi.
1125 ft. **Site 1 of 8 in cluster H**

Relative: **Higher**

Actual: **897 ft.**

HWP:

Handler ID:	Not reported
HW File Number:	HW-2096
RCRA Number:	HIR000144964
Name:	PANDA EXPRESS
Address:	609 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported

H32 **PANDA EXPRESS** **RCRA NonGen / NLR** **1023967442**
North **609 CALIFORNIA AVENUE** **FINDS** **HIR000144964**
1/8-1/4 **WAHIAWA, HI 96786**
0.213 mi.
1125 ft. **Site 2 of 8 in cluster H**

Relative: **Higher**

Actual: **897 ft.**

RCRA Listings:

Date Form Received by Agency:		20180228
Handler Name:		Panda Express
Handler Address:		California Avenue
Handler City,State,Zip:		WAHIAWA, HI 96786
EPA ID:		HIR000144964
Contact Name:		TODD LAWI
Contact Address:		DEMOCRAT STREET
Contact City,State,Zip:		HONOLULU, HI 96819
Contact Telephone:		808-220-8388
Contact Fax:		Not reported
Contact Email:		TLAWI@PROJECTS808.COM
Contact Title:		PRESIDENT, PROJECTS ENTERPRISES, INC.
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		2017
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		DEMOCRAT STREET
Mailing City,State,Zip:		HONOLULU, HI 96819
Owner Name:	Cft Development	
Owner Type:		Private
Operator Name:	Panda Express	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No

PANDA EXPRESS (Continued) **1023967442**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180409
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	Lead
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	D039
Waste Description:	Tetrachloroethylene
Waste Code:	D040
Waste Description:	Trichloroethylene

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CFT DEVELOPMENT	
Legal Status:	Private
Date Became Current:	20170501
Date Ended Current:	Not reported
Owner/Operator Address:	1683 WALNUT GROVE AVENUE
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-394-3271
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	KUAN.CHEN@PANDARG.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: PANDA EXPRESS	
Legal Status:	Private
Date Became Current:	20170401
Date Ended Current:	Not reported
Owner/Operator Address:	609 CALIFORNIA AVENUE
Owner/Operator City,State,Zip:	WAHIAWA, HI 96786
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

PANDA EXPRESS (Continued) **1023967442**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PANDA EXPRESS
Legal Status: Private
Date Became Current: 20170401
Date Ended Current: Not reported
Owner/Operator Address: 609 CALIFORNIA AVENUE
Owner/Operator City,State,Zip: WAHIAWA, HI 96786
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CFT DEVELOPMENT
Legal Status: Private
Date Became Current: 20170501
Date Ended Current: Not reported
Owner/Operator Address: 1683 WALNUT GROVE AVENUE
Owner/Operator City,State,Zip: ROSEMEAD, CA 91770
Owner/Operator Telephone: 626-394-3271
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: KUAN.CHEN@PANDARG.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: PANDA EXPRESS
Legal Status: Private
Date Became Current: 20170401
Date Ended Current: Not reported
Owner/Operator Address: 609 CALIFORNIA AVENUE
Owner/Operator City,State,Zip: WAHIAWA, HI 96786
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CFT DEVELOPMENT
Legal Status: Private
Date Became Current: 20170501
Date Ended Current: Not reported
Owner/Operator Address: 1683 WALNUT GROVE AVENUE
Owner/Operator City,State,Zip: ROSEMEAD, CA 91770
Owner/Operator Telephone: 626-394-3271
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: KUAN.CHEN@PANDARG.COM

Historic Generators:
Receive Date: 20180228
Handler Name: PANDA EXPRESS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

PANDA EXPRESS (Continued) **1023967442**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20180207
Handler Name:	PANDA EXPRESS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20171030
Handler Name:	PANDA EXPRESS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	722511
NAICS Description:	Full-Service Restaurants

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID:	110070207747

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed

PANDA EXPRESS (Continued) **1023967442**

within the RCRA Information (RCRAInfo) database
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

H33 **PANDA EXPRESS** **HWP** **S132376936**
North **609 CALIFORNIA AVENUE** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.213 mi.
1125 ft. **Site 3 of 8 in cluster H**

Relative: **Higher**
Actual: **897 ft.**

HWP:

Handler ID:	HIR000144964
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	PANDA EXPRESS
Address:	609 CALIFORNIA AVENUE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

I34 **HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION** **RCRA-VSQG** **1016141321**
ESE **745 NEAL AVENUE** **HIR000141549**
1/8-1/4 **WAHIAWA, HI 96786**
0.224 mi.
1184 ft. **Site 1 of 3 in cluster I**

Relative: **Higher**
Actual: **867 ft.**

RCRA Listings:

Date Form Received by Agency:	20210513
Handler Name:	Hawaiian Electric - Wahiawa Substation
Handler Address:	Neal Avenue
Handler City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HIR000141549
Contact Name:	WARREN S HALL
Contact Address:	PO BOX 2750
Contact City,State,Zip:	HONOLULU, HI 96840
Contact Telephone:	808-543-4524
Contact Fax:	808-543-4511
Contact Email:	WARREN.HALL@HAWAIIANELECTRIC.COM
Contact Title:	SR. ENV. SCIENTIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION (Continued) **1016141321**

Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 2750
Mailing City,State,Zip:		HONOLULU, HI 96840
Owner Name:	Hawaiian Electric Company, Inc.	
Owner Type:		Private
Operator Name:	Hawaiian Electric Company, Inc.	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
202 GPRA Corrective Action Baseline:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20210513
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No
Sub-Part P Indicator:		No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION (Continued) **1016141321**

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D008
Waste Description: Lead

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 2750 (CP6-JW)
Owner/Operator City,State,Zip: HONOLULU, HI 96840-0001
Owner/Operator Telephone: 808-543-4524
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 2750
Owner/Operator City,State,Zip: HONOLULU, HI 96840
Owner/Operator Telephone: 808-543-4524
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 2750 (CP6-JW)
Owner/Operator City,State,Zip: HONOLULU, HI 96840-0001
Owner/Operator Telephone: 808-543-4524
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.

HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION (Continued) **1016141321**

Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 2750
Owner/Operator City,State,Zip: HONOLULU, HI 96840
Owner/Operator Telephone: 808-543-4524
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140417
Handler Name: HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130502
Handler Name: WAHIAWA SUBSTATION, HAWAIIAN ELECTRIC COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20210513
Handler Name: HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION (Continued) **1016141321**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 221121
NAICS Description: Electric Bulk Power Transmission And Control

NAICS Code: 221122
NAICS Description: Electric Power Distribution

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20140930
Evaluation Responsible Agency: State

HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION (Continued) **1016141321**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier:	TBRAN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

I35 **HECO - WAHIAWA SUBSTATION** **RCRA NonGen / NLR** **1010316461**
ESE **745 NEAL AVENUE** **HIP000136382**
1/8-1/4 **WAHIAWA, HI 96786**
0.224 mi.
1184 ft. **Site 2 of 3 in cluster I**

Relative: **Higher**

Actual: **867 ft.**

RCRA Listings:

Date Form Received by Agency:	20090825
Handler Name:	Heco - Wahiawa Substation
Handler Address:	Neal Avenue
Handler City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HIP000136382
Contact Name:	DAVID M KANEKO
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	808-543-4524
Contact Fax:	Not reported
Contact Email:	DAVID.KANEKO@HECO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O. BOX 2750
Mailing City,State,Zip:	HONOLULU, HI 96840
Owner Name:	Hawaiian Electric Company, Inc.
Owner Type:	Private
Operator Name:	Hawaiian Electric Company, Inc.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

HECO - WAHIAWA SUBSTATION (Continued) **1010316461**

Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20090825
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2005

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: Lead

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 2750 (HPO-JW)
Owner/Operator City,State,Zip: HONOLULU, HI 96840
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported

HECO - WAHIAWA SUBSTATION (Continued) **1010316461**

Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 2750 (HPO-JW)
Owner/Operator City,State,Zip: HONOLULU, HI 96840
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HAWAIIAN ELECTRIC CO
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HAWAIIAN ELECTRIC CO
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 2750
Owner/Operator City,State,Zip: HONOLULU, HI 96840
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HAWAIIAN ELECTRIC COMPANY, INC.
Legal Status: Private
Date Became Current: 19590601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20090825

HECO - WAHIAWA SUBSTATION (Continued) **1010316461**

Handler Name: HECO - WAHIAWA SUBSTATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060210
Handler Name: HECO - WAHIAWA SUBSTATION
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20050302
Handler Name: HECO WAHIAWA SUBSTATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221121
NAICS Description: Electric Bulk Power Transmission And Control

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I36 **HECO SUBSTATION: WAHIAWA SUBSTATION** **SPILLS** **S106817462**
ESE **745 NEAL AVE** **HWP** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.224 mi.
1184 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
867 ft.

SPILLS:

Name:	HECO SUBSTATION: WAHIAWA SUBSTATION
Address:	745 NEAL AVE
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
Supplemental Loc. Text:	Not reported
Case Number:	20030701-1217
Facility Registry ID:	Not reported
HID Number:	Not reported
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	Not reported
Units:	Wahiawa Substation
Activity Type:	Response
Activity Lead:	Terry Corpus
Assignment End Date:	Not reported
Result:	SOSC NFA
File Under:	Hawaiian Electric Co., Inc. (HECO)
Substances:	Transformer Oil
Quanity:	Not reported
Units:	Gallons
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	Not reported
Longitude:	Not reported

HWP:

Handler ID:	Not reported
HW File Number:	HW-2703
RCRA Number:	HIR000141549
Name:	HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION
Address:	745 NEAL AVENUE

HECO SUBSTATION: WAHIAWA SUBSTATION (Continued) **S106817462**

City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported
Handler ID:	HIP000136382
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	HECO - WAHIAWA SUBSTATION
Address:	745 NEAL AVENUE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN
Handler ID:	HIR000141549
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	HAWAIIAN ELECTRIC - WAHIAWA SUBSTATION
Address:	745 NEAL AVENUE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	Y
Generator Status:	VSG
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

H37 **CALIFORNIA AVENUE 76/7-ELEVEN (#156)** **UST FINDER** **1028283226**
North **655 CALIFORNIA AVE** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.231 mi.
1219 ft. **Site 4 of 8 in cluster H**

Relative: UST FINDER:
Higher

Object ID:	109006
Facility ID:	HI9-201204
Name:	CALIFORNIA AVENUE 76/7-ELEVEN (#156)
Address:	655 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	2
Closed USTs:	3
TOS USTs:	0
Population 1500ft:	2827
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No

Actual:
902 ft.

CALIFORNIA AVENUE 76/7-ELEVEN (#156) (Continued) **1028283226**

SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: Yes
WHPA PWS Facility ID: HI0000333_721
WHPA Water Type: GW - Ground water
WHPA Facility Type: WL - Well
WHPA HUC12: 200600000102
Facility Status: Open UST(s)
Date of Last Inspection: Not reported
EPA Region: 9
Tribe: Not reported
Coordinate Source: State
X Coord: -158.027492
Y Coord: 21.4966870000001
Latitude: 21.496687
Longitude: -158.027492

UST FINDER:
Object ID: 399689
Facility ID: HI9-201204
Tank ID: HI9-201204R-1
Tank Status: Closed
Installation Date: 1983/04/05 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 399690
Facility ID: HI9-201204
Tank ID: HI9-201204R-2
Tank Status: Closed
Installation Date: 1983/04/05 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 399691
Facility ID: HI9-201204
Tank ID: HI9-201204R-3
Tank Status: Closed
Installation Date: 1983/04/05 16:00:00+00
Removal Date: Not reported
Tank Capacity: 6000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 397983
Facility ID: HI9-201204
Tank ID: HI9-2012041
Tank Status: Open
Installation Date: 1998/05/01 15:59:59+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasohol

CALIFORNIA AVENUE 76/7-ELEVEN (#156) (Continued) **1028283226**

Tank Wall Type:	Not reported
Object ID:	397984
Facility ID:	HI9-201204
Tank ID:	HI9-2012042
Tank Status:	Open
Installation Date:	1998/05/01 15:59:59+00
Removal Date:	Not reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not reported

H38 **76 CALIFORNIA AVE. 7-11 #156** **UST** **U003222018**
North **655 CALIFORNIA AVE** **Financial Assurance** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.231 mi.
1219 ft. **Site 5 of 8 in cluster H**

Relative: **Higher**

Actual: **902 ft.**

UST:

Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201204
Owner:	Mid Pac Petroleum LLC
Owner Address:	1132 Bishop Street, Suite 2500
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.496687
Longitude:	-158.027492
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	GPS
Tank ID:	1
Date Installed:	05/01/1998
Tank Status:	**Currently In Use**
Date Closed:	Not reported
Tank Capacity:	10000
Substance:	Gasohol
Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	1
Date Installed:	05/01/1998
Tank Status:	**Currently In Use**
Date Closed:	Not reported
Tank Capacity:	10000
Substance:	Gasohol
Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	1
Date Installed:	05/01/1998
Tank Status:	**Currently In Use**
Date Closed:	Not reported

76 CALIFORNIA AVE. 7-11 #156 (Continued) **U003222018**

Tank Capacity: 10000
Substance: Gasohol

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1
Date Installed: 05/01/1998
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 05/01/1998
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 05/01/1998
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 05/01/1998
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 05/01/1998
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 05/01/1998
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

76 CALIFORNIA AVE. 7-11 #156 (Continued) **U003222018**

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-1
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-1
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-1
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-1
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-1
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-2
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave

76 CALIFORNIA AVE. 7-11 #156 (Continued) **U003222018**

City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-2
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-2
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-2
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 10000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 6000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3
Date Installed: 04/05/1983
Tank Status: **Permanently Out of Use**
Date Closed: 05/15/1998
Tank Capacity: 6000
Substance: Gasoline

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786

76 CALIFORNIA AVE. 7-11 #156 (Continued) **U003222018**

Tank ID:	R-3
Date Installed:	04/05/1983
Tank Status:	**Permanently Out of Use**
Date Closed:	05/15/1998
Tank Capacity:	6000
Substance:	Gasoline

Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	R-3
Date Installed:	04/05/1983
Tank Status:	**Permanently Out of Use**
Date Closed:	05/15/1998
Tank Capacity:	6000
Substance:	Gasoline

HI Financial Assurance:

Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201204
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/30/2017
FR Archive:	True

Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201204
Tank Id:	1
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/30/2017
FR Archive:	True

Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201204
Tank Id:	2
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/30/2017
FR Archive:	True

Name:	76 CALIFORNIA AVE. 7-11 #156
Address:	655 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201204
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/30/2017

76 CALIFORNIA AVE. 7-11 #156 (Continued) **U003222018**

FR Archive: True

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201204
Tank Id: R-2
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2017
FR Archive: True

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201204
Tank Id: R-3
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201204
Tank Id: R-2
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201204
Tank Id: 2
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201204
Tank Id: 1
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: 76 CALIFORNIA AVE. 7-11 #156
Address: 655 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201204
Tank Id: R-1

76 CALIFORNIA AVE. 7-11 #156 (Continued) **U003222018**

Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

H39 **C&CH WAHIAWA FIRE STATION** **LUST U003986424**
North **640 CALIFORNIA AVE** **UST N/A**
1/8-1/4 **WAHIAWA, HI 96786** **HWP**
0.235 mi.
1240 ft. **Site 6 of 8 in cluster H**

Relative:
Higher

Actual:
900 ft.

LUST:
Name: C&CH WAHIAWA FIRE STATION
Address: 640 CALIFORNIA AVE
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200092
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 10/22/2001
Release ID: 940045
Project Officer: Shunsheng Fu

UST:
Name: C&CH WAHIAWA FIRE STATION
Address: 640 California Ave
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200092
Owner: C&C HNL Fire Dept
Owner Address: 560 South King Street
Owner City,St,Zip: Wahiawa, 96786 96786
Latitude: 21.496962
Longitude: -158.027805
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: Address Matching

Tank ID: R-1
Date Installed: 09/02/1968
Tank Status: **Permanently Out of Use**
Date Closed: 10/11/1993
Tank Capacity: 1000
Substance: Diesel

Name: C&CH WAHIAWA FIRE STATION
Address: 640 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-1
Date Installed: 09/02/1968
Tank Status: **Permanently Out of Use**
Date Closed: 10/11/1993
Tank Capacity: 1000
Substance: Diesel

HWP:
Handler ID: HIP000096578
HW File Number: Not reported
RCRA Number: Not reported
Name: WAHIAWA FIRE STATION

C&CH WAHIAWA FIRE STATION (Continued) **U003986424**

Address:	640 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not reported
TMK:	Not reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

H40 **WAHIAWA FIRE STATION** **RCRA NonGen / NLR** **1012178179**
North **640 CALIFORNIA AVE** **HIP000096578**
1/8-1/4 **WAHIAWA, HI 96786**
0.235 mi.
1240 ft. **Site 7 of 8 in cluster H**

Relative: **Higher**

Actual: **900 ft.**

RCRA Listings:

Date Form Received by Agency:		20090818
Handler Name:		Wahiawa Fire Station
Handler Address:		640 California Ave
Handler City,State,Zip:		WAHIAWA, HI 96786
EPA ID:		HIP000096578
Contact Name:		PETER GASKELL
Contact Address:		3375 KOAPAKA ST
Contact City,State,Zip:		HONOLULU, HI 96819
Contact Telephone:		808-831-7735
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		County
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		640 CALIFORNIA AVE
Mailing City,State,Zip:		WAHIAWA, HI 96786
Owner Name:	City And County Of Honolulu	
Owner Type:		County
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site State-Reg Handler:		---

WAHIAWA FIRE STATION (Continued) **1012178179**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20090818
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY AND COUNTY OF HONOLULU
Legal Status:	County
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	650 S KING ST
Owner/Operator City,State,Zip:	HONOLULU, HI 96813
Owner/Operator Telephone:	808-527-6332
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY AND COUNTY OF HONOLULU
Legal Status:	County
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	650 S KING ST
Owner/Operator City,State,Zip:	HONOLULU, HI 96813
Owner/Operator Telephone:	808-527-6332

WAHIAWA FIRE STATION (Continued) **1012178179**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20010510
Handler Name: WAHIAWA FIRE STATION
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20090818
Handler Name: WAHIAWA FIRE STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H41 **C&CH WAHIAWA FIRE STATION** **UST FINDER** **1028283000**
North **640 CALIFORNIA AVE** **UST FINDER RELEASE** **N/A**
1/8-1/4 **WAHIAWA, HI 96786**
0.235 mi.
1240 ft. **Site 8 of 8 in cluster H**

Relative: **Higher**
Actual: **900 ft.**

UST FINDER:
Object ID: 108849
Facility ID: HI9-200092
Name: C&CH WAHIAWA FIRE STATION
Address: 640 CALIFORNIA AVE
City,State,Zip: WAHIAWA, HI 96786
Address Match Type: Not reported
Open USTs: 0

C&CH WAHIAWA FIRE STATION (Continued) **1028283000**

Closed USTs:	1
TOS USTs:	0
Population 1500ft:	2764
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.027805
Y Coord:	21.4969620000001
Latitude:	21.496962
Longitude:	-158.027805

UST FINDER:

Object ID:	401493
Facility ID:	HI9-200092
Tank ID:	HI9-200092R-1
Tank Status:	Closed
Installation Date:	1968/09/02 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	1000
Substances:	Diesel
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	145952
Facility ID:	HI9-200092
Lust ID:	HI940045
Name:	C&CH WAHIAWA FIRE STATION
Address:	640 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	2835
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported

C&CH WAHIAWA FIRE STATION (Continued) **1028283000**

Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0277309
Y Coord:	21.49678478
Latitude:	21.4967847799999
Longitude:	-158.027730899999

J42 **YAMA'S TEXACO** **UST FINDER** **1028283507**
NNE **805 CALIFORNIA AVE** **UST FINDER RELEASE** **N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.276 mi.
1457 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
911 ft.

UST FINDER:

Object ID:	109194
Facility ID:	HI9-203333
Name:	YAMA'S TEXACO
Address:	805 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	4
TOS USTs:	0
Population 1500ft:	2531
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.026453
Y Coord:	21.4970900000001
Latitude:	21.49709
Longitude:	-158.026453

YAMA'S TEXACO (Continued) **1028283507**

UST FINDER:

Object ID:	403977
Facility ID:	HI9-203333
Tank ID:	HI9-203333R-1
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	5000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	403978
Facility ID:	HI9-203333
Tank ID:	HI9-203333R-2
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	5000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	403979
Facility ID:	HI9-203333
Tank ID:	HI9-203333R-3
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	5000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	403980
Facility ID:	HI9-203333
Tank ID:	HI9-203333R-4
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Used Oil
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	146079
Facility ID:	HI9-203333
Lust ID:	HI980038
Name:	YAMA'S TEXACO
Address:	805 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	2531
Domestic Wells within 1500ft:	0
Land Use:	Not reported

YAMA'S TEXACO (Continued) **1028283507**

Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.026443
Y Coord:	21.4972295000001
Latitude:	21.4972295
Longitude:	-158.026443

J43 **YAMA'S TEXACO** **LUST U003858604**
NNE **805 CALIFORNIA AVE** **UST N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.276 mi.
1457 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
911 ft.

LUST:

Name:	YAMA'S TEXACO
Address:	805 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-203333
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	02/01/1998
Release ID:	980038
Project Officer:	Jose Ruiz

UST:

Name:	YAMA'S TEXACO
Address:	805 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-203333
Owner:	YAMA'S TEXACO
Owner Address:	805 CALIFORNIA AVE
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.497090
Longitude:	-158.026453
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching
Tank ID:	R-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	01/13/1998

YAMA'S TEXACO (Continued) **U003858604**

Tank Capacity: 5000
Substance: Gasoline

Name: YAMA'S TEXACO
Address: 805 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 01/13/1998
Tank Capacity: 5000
Substance: Gasoline

Name: YAMA'S TEXACO
Address: 805 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 01/13/1998
Tank Capacity: 5000
Substance: Gasoline

Name: YAMA'S TEXACO
Address: 805 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-4
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 01/13/1998
Tank Capacity: 550
Substance: Used Oil

---

44 **ARMY MFH WHEELER AAF PUALI NORTH** **SHWS** **S126282266**
SSW **N/A**
1/4-1/2 **WHEELER AAF, HI 96854**
0.297 mi.
1569 ft.

Relative: SHWS:
Lower
Actual: IHEER ID: 1143
860 ft. Name: ARMY MFH WHEELER AAF PUALI NORTH
Address: Not reported
Address 2: Not reported
City,State,Zip: WHEELER AAF, HI 96854
Zip 2: Not reported
Lead Agency: HEER Office
HID Number: Not reported
Island: Oahu
Environmental Interest: Not reported
Project Manager: Eric Sadoyama
Hazard Priority: Unranked
Facility Registry Identifier: Not reported
Location Description: Not reported
Supplemental Location: Not reported

ARMY MFH WHEELER AAF PUALI NORTH (Continued) **S126282266**

Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	04/09/2020
Status name:	REMEDY IN PLACE
Aliases:	Army MFH WAAF Puali North; Army Military Family Housing Wheeler Army Airfield
Tax Map Keys:	177001001;
Latitude:	21.489
Longitude:	-158.03

SHWS:

IHEER ID:	1143
Document Type:	Environmental Hazard Management Plan
Document Title:	Pesticide-Impacted Soil Investigation And Management Program Manual (Mar 2011)
Document Date:	Mar 17, 2011
Document Number:	129349

K45 **AIM WAHIAWA** **LUST U001236129**
NNW **150 N. KAMEHAMEHA HWY.** **UST N/A**
1/4-1/2 **WAHIAWA, HI 96786** **Financial Assurance**
0.324 mi.
1709 ft. **Site 1 of 4 in cluster K**

Relative: Higher
Actual: 899 ft.

LUST:

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	07/19/2000
Release ID:	980143
Project Officer:	Miranda Fleisher

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	07/19/2000
Release ID:	950028
Project Officer:	Miranda Fleisher

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.

AIM WAHIAWA (Continued) **U001236129**

City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200329
Facility Status: Consolidated releases
Facility Status Date: 08/28/2018
Release ID: 050027
Project Officer: Miranda Fleisher

Name: AIM WAHIAWA
Address: 150 N. KAMEHAMEHA HWY.
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200329
Facility Status: Confirmed Release
Facility Status Date: 10/26/2017
Release ID: 180005
Project Officer: Miranda Fleisher

Name: AIM WAHIAWA
Address: 150 N. KAMEHAMEHA HWY.
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200329
Facility Status: Exposure Prevention Management Plan
Facility Status Date: 09/01/2008
Release ID: 070016
Project Officer: Miranda Fleisher

UST:
Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200329
Owner: ALOHA PETROLEUM, LTD.
Owner Address: 1132 Bishop Street, Suite 1700
Owner City,St,Zip: Wahiawa, 96786 96786
Latitude: 21.497820
Longitude: -158.029460
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: GPS

Tank ID: 5
Date Installed: 10/01/2018
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 13800
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5
Date Installed: 10/01/2018
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 13800
Substance: Gasohol

Name: AIM WAHIAWA

AIM WAHIAWA (Continued) **U001236129**

Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5
Date Installed: 10/01/2018
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 13800
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5A
Date Installed: Not reported
Tank Status: **Not installed**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5A
Date Installed: Not reported
Tank Status: **Not installed**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5A
Date Installed: Not reported
Tank Status: **Not installed**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5B
Date Installed: Not reported
Tank Status: **Not installed**
Date Closed: Not reported
Tank Capacity: 3800
Substance: Gasoline

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

AIM WAHIAWA (Continued) **U001236129**

Tank ID: 5B
Date Installed: Not reported
Tank Status: **Not installed**
Date Closed: Not reported
Tank Capacity: 3800
Substance: Gasoline

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5B
Date Installed: Not reported
Tank Status: **Not installed**
Date Closed: Not reported
Tank Capacity: 3800
Substance: Gasoline

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6A
Date Installed: 10/01/2018
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 7000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6A
Date Installed: 10/01/2018
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 7000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6A
Date Installed: 10/01/2018
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 7000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6B
Date Installed: 10/01/2018

AIM WAHIAWA (Continued) **U001236129**

Tank Status:	**Currently In Use**
Date Closed:	Not reported
Tank Capacity:	6800
Substance:	Gasoline
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6B
Date Installed:	10/01/2018
Tank Status:	**Currently In Use**
Date Closed:	Not reported
Tank Capacity:	6800
Substance:	Gasoline
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6B
Date Installed:	10/01/2018
Tank Status:	**Currently In Use**
Date Closed:	Not reported
Tank Capacity:	6800
Substance:	Gasoline
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-1
Date Installed:	02/06/1985
Tank Status:	**Permanently Out of Use**
Date Closed:	08/09/1994
Tank Capacity:	550
Substance:	Used Oil
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-1
Date Installed:	02/06/1985
Tank Status:	**Permanently Out of Use**
Date Closed:	08/09/1994
Tank Capacity:	550
Substance:	Used Oil
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-1
Date Installed:	02/06/1985
Tank Status:	**Permanently Out of Use**
Date Closed:	08/09/1994

AIM WAHIAWA (Continued) **U001236129**

Tank Capacity: 550
Substance: Used Oil

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-1m
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-1m
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-1m
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-2s
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-2s
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

AIM WAHIAWA (Continued) **U001236129**

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-2s
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-3
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-3
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-3
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-4
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.

AIM WAHIAWA (Continued) **U001236129**

City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-4
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-4
Date Installed: 02/06/1985
Tank Status: **Permanently out of Use**
Date Closed: 09/07/2018
Tank Capacity: 10000
Substance: Gasohol

HI Financial Assurance:
Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5A
Tank Status: Not installed
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: R-1
Tank Status: Permanently Out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 6A
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-1m
Tank Status: Permanently out of Use

AIM WAHIAWA (Continued) **U001236129**

FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5B
Tank Status: Not installed
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-4
Tank Status: Permanently out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5
Tank Status: Currently in Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-3
Tank Status: Permanently out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 6B
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786

AIM WAHIAWA (Continued) **U001236129**

Alt Facility ID: 9-200329
Tank Id: r-2s
Tank Status: Permanently out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-2s
Tank Status: Permanently out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-4
Tank Status: Permanently out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-1m
Tank Status: Permanently out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: R-1
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-3
Tank Status: Permanently out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

AIM WAHIAWA (Continued) **U001236129**

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 6B
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 6A
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5A
Tank Status: Not installed
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5B
Tank Status: Not installed
FRTYPE: Insurance
Expiration Date: 09/15/2017
FR Archive: True

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-3
Tank Status: Permanently out of Use
FRTYPE: Insurance

AIM WAHIAWA (Continued) **U001236129**

Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 6B
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5A
Tank Status: Not installed
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: 5B
Tank Status: Not installed
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-1m
Tank Status: Permanently out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329

AIM WAHIAWA (Continued) **U001236129**

Tank Id: 6A
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: R-1
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-2s
Tank Status: Permanently out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

Name: AIM WAHIAWA
Address: 150 N. Kamehameha Hwy.
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200329
Tank Id: r-4
Tank Status: Permanently out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2023
FR Archive: False

K46 **AIM WAHIAWA** **UST FINDER** **1028283073**
NNW **150 N. KAMEHAMEHA HWY.** **UST FINDER RELEASE** **N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.324 mi.
1709 ft. **Site 2 of 4 in cluster K**

Relative: **Higher**
Actual: **899 ft.**

UST FINDER:
Object ID: 108903
Facility ID: HI9-200329
Name: AIM WAHIAWA
Address: 150 N. KAMEHAMEHA HWY.
City,State,Zip: WAHIAWA, HI 96786
Address Match Type: Not reported
Open USTs: 3
Closed USTs: 1
TOS USTs: 1
Population 1500ft: 2466
Private Wells 1500ft: 0
Within 100yr Floodplain: Not reported
Land Use: Not reported
Within SPA: No
SPA PWS Facility ID: Not reported

AIM WAHIAWA (Continued) **1028283073**

SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: Yes
WHPA PWS Facility ID: HI0000333_721
WHPA Water Type: GW - Ground water
WHPA Facility Type: WL - Well
WHPA HUC12: 200600000102
Facility Status: Open UST(s)
Date of Last Inspection: Not reported
EPA Region: 9
Tribe: Not reported
Coordinate Source: State
X Coord: -158.02946
Y Coord: 21.49782
Latitude: 21.49782
Longitude: -158.02946

UST FINDER:
Object ID: 399409
Facility ID: HI9-200329
Tank ID: HI9-2003291m
Tank Status: Open
Installation Date: 1985/02/06 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasohol
Tank Wall Type: Not reported

Object ID: 399410
Facility ID: HI9-200329
Tank ID: HI9-2003292s
Tank Status: Open
Installation Date: 1985/02/06 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasohol
Tank Wall Type: Not reported

Object ID: 399411
Facility ID: HI9-200329
Tank ID: HI9-2003293
Tank Status: Open
Installation Date: 1985/02/06 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasohol
Tank Wall Type: Not reported

Object ID: 399412
Facility ID: HI9-200329
Tank ID: HI9-2003294
Tank Status: Temporarily out of Service
Installation Date: 1985/02/06 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasohol
Tank Wall Type: Not reported

AIM WAHIAWA (Continued) **1028283073**

Object ID:	399413
Facility ID:	HI9-200329
Tank ID:	HI9-200329R-1
Tank Status:	Closed
Installation Date:	1985/02/06 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Used Oil
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	145374
Facility ID:	HI9-200329
Lust ID:	HI050027
Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	Open
Substance:	Not reported
Population within 1500ft:	2514
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0297644
Y Coord:	21.49774146
Latitude:	21.49774146
Longitude:	-158.0297644

K47 **MAHALO WAHIAWA** **UST FINDER** **1028283265**
NNW **119 KAMEHAMEHA HWY** **UST FINDER RELEASE** **N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.325 mi.
1716 ft. **Site 3 of 4 in cluster K**

Relative:
Higher

Actual:
902 ft.

UST FINDER:

Object ID:	109032
Facility ID:	HI9-201458
Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	4
Closed USTs:	1
TOS USTs:	0
Population 1500ft:	2576
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Open UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.03006
Y Coord:	21.4976370000001
Latitude:	21.497637
Longitude:	-158.03006

UST FINDER:

Object ID:	402571
Facility ID:	HI9-201458
Tank ID:	HI9-201458R-5
Tank Status:	Closed
Installation Date:	1964/04/30 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Used Oil
Tank Wall Type:	Not reported

Object ID:	399906
Facility ID:	HI9-201458
Tank ID:	HI9-2014583
Tank Status:	Open
Installation Date:	1982/04/04 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not reported

MAHALO WAHIAWA (Continued) **1028283265**

Object ID:	399908
Facility ID:	HI9-201458
Tank ID:	HI9-2014581
Tank Status:	Open
Installation Date:	1982/04/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not reported

Object ID:	399909
Facility ID:	HI9-201458
Tank ID:	HI9-2014582
Tank Status:	Open
Installation Date:	1982/04/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not reported

Object ID:	399910
Facility ID:	HI9-201458
Tank ID:	HI9-2014584
Tank Status:	Open
Installation Date:	1982/04/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	6000
Substances:	Diesel
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	145290
Facility ID:	HI9-201458
Lust ID:	HI000096
Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	2582
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported

MAHALO WAHIAWA (Continued) **1028283265**

EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.029839
Y Coord:	21.4976173800001
Latitude:	21.49761738
Longitude:	-158.029839

K48 **MAHALO WAHIAWA** **LUST U001236337**
NNW **119 KAMEHAMEHA HWY** **UST N/A**
1/4-1/2 **WAHIAWA, HI 96786** **Financial Assurance**
0.332 mi.
1752 ft. **Site 4 of 4 in cluster K**

Relative:
Higher

Actual:
902 ft.

LUST:

Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201458
Facility Status:	Confirmed Release
Facility Status Date:	11/11/2019
Release ID:	200003
Project Officer:	Allison Hutto

Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201458
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	09/20/2000
Release ID:	000096
Project Officer:	Allison Hutto

UST:

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201458
Owner:	ALOHA PETROLEUM, LTD.
Owner Address:	1132 BISHOP STREET, SUITE 1700
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.497637
Longitude:	-158.030060
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	GPS

Tank ID:	1
Date Installed:	04/01/1982
Tank Status:	**Currently In Use**
Date Closed:	Not reported
Tank Capacity:	10000
Substance:	Gasohol

MAHALO WAHIAWA (Continued) **U001236337**

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1
Date Installed: 04/01/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1
Date Installed: 04/01/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1
Date Installed: 04/01/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 04/01/1982
Tank Status: **Temporarily out of Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 04/01/1982
Tank Status: **Temporarily out of Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy

MAHALO WAHIAWA (Continued) **U001236337**

City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 04/01/1982
Tank Status: **Temporarily out of Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2
Date Installed: 04/01/1982
Tank Status: **Temporarily out of Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 3
Date Installed: 04/04/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 3
Date Installed: 04/04/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 3
Date Installed: 04/04/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

MAHALO WAHIAWA (Continued) **U001236337**

Tank ID: 3
Date Installed: 04/04/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 4
Date Installed: 04/01/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Diesel

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 4
Date Installed: 04/01/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Diesel

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 4
Date Installed: 04/01/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Diesel

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 4
Date Installed: 04/01/1982
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Diesel

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5
Date Installed: 09/21/2020

MAHALO WAHIAWA (Continued) **U001236337**

Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 5
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6A
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6A
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported

MAHALO WAHIAWA (Continued) **U001236337**

Tank Capacity: 6000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6A
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6A
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Gasohol

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6B
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 4000
Substance: Diesel

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6B
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 4000
Substance: Diesel

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6B
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 4000
Substance: Diesel

MAHALO WAHIAWA (Continued) **U001236337**

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 6B
Date Installed: 09/21/2020
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 4000
Substance: Diesel

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-5
Date Installed: 04/30/1964
Tank Status: **Permanently Out of Use**
Date Closed: 07/31/2000
Tank Capacity: 550
Substance: Used Oil

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-5
Date Installed: 04/30/1964
Tank Status: **Permanently Out of Use**
Date Closed: 07/31/2000
Tank Capacity: 550
Substance: Used Oil

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-5
Date Installed: 04/30/1964
Tank Status: **Permanently Out of Use**
Date Closed: 07/31/2000
Tank Capacity: 550
Substance: Used Oil

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-5
Date Installed: 04/30/1964
Tank Status: **Permanently Out of Use**
Date Closed: 07/31/2000
Tank Capacity: 550
Substance: Used Oil

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-5
Date Installed: 04/30/1964
Tank Status: **Permanently Out of Use**
Date Closed: 07/31/2000
Tank Capacity: 550
Substance: Used Oil

HI Financial Assurance:
Name: MAHALO WAHIAWA

MAHALO WAHIAWA (Continued) **U001236337**

Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: r-5
Tank Status: Permanently Out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 5
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 3
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 6A
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 6B
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 2
Tank Status: Temporarily out of Use
FRTYPE: Other
Expiration Date: Not reported

MAHALO WAHIAWA (Continued) **U001236337**

FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 1
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 4
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 6A
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: r-5
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 5
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 6B

MAHALO WAHIAWA (Continued) **U001236337**

Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 2
Tank Status: Temporarily out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 4
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 1
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 3
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2019
FR Archive: True

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 4
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2024
FR Archive: False

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy

MAHALO WAHIAWA (Continued) **U001236337**

City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: r-5
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2024
FR Archive: False

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 6B
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2024
FR Archive: False

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 2
Tank Status: Temporarily out of Use
FRTYPE: Insurance
Expiration Date: 09/15/2024
FR Archive: False

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 6A
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2024
FR Archive: False

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 3
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2024
FR Archive: False

Name: MAHALO WAHIAWA
Address: 119 Kamehameha Hwy
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201458
Tank Id: 5
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/15/2024
FR Archive: False

MAHALO WAHIAWA (Continued) **U001236337**

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	1
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

L49 **WAHIAWA CIVIC CENTER** **LUST U003222111**
NNE **910 CALIFORNIA AVE** **UST N/A**
1/4-1/2 **SCHOFIELD BARRACKS, HI 96786**
0.339 mi.
1789 ft. **Site 1 of 5 in cluster L**

Relative:
Higher

Actual:
918 ft.

LUST:

Name:	WAHIAWA CIVIC CENTER
Address:	910 CALIFORNIA AVE
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Facility ID:	9-202643
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	02/24/1993
Release ID:	930004
Project Officer:	Not Assigned

UST:

Name:	WAHIAWA CIVIC CENTER
Address:	910 California Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Facility ID:	9-202643
Owner:	STATE DAGS - DIVISION OF PUBLIC WORKS
Owner Address:	1151 PUNCHBOWL ST
Owner City,St,Zip:	Schofield Barracks, 96786 96786
Latitude:	21.497878
Longitude:	-158.025490
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching

Tank ID:	R-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	08/19/1993
Tank Capacity:	3500
Substance:	Gasoline

Name:	WAHIAWA CIVIC CENTER
Address:	910 California Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786

Tank ID:	R-2
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	08/19/1992
Tank Capacity:	1800
Substance:	Gasoline

L50 **WAHIAWA CIVIC CENTER** **UST FINDER** **1028283439**
NNE **910 CALIFORNIA AVE** **UST FINDER RELEASE** **N/A**
1/4-1/2 **SCHOFIELD BARRACKS, HI 96786**
0.339 mi.
1789 ft. **Site 2 of 5 in cluster L**

Relative:
Higher

Actual:
918 ft.

UST FINDER:

Object ID:	109148
Facility ID:	HI9-202643
Name:	WAHIAWA CIVIC CENTER
Address:	910 CALIFORNIA AVE
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	2
TOS USTs:	0
Population 1500ft:	2526
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.02549
Y Coord:	21.4978780000001
Latitude:	21.497878
Longitude:	-158.02549

UST FINDER:

Object ID:	403521
Facility ID:	HI9-202643
Tank ID:	HI9-202643R-1
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	3500
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	403522
Facility ID:	HI9-202643
Tank ID:	HI9-202643R-2
Tank Status:	Closed
Installation Date:	Not reported
Removal Date:	Not reported
Tank Capacity:	1800
Substances:	Gasoline
Tank Wall Type:	Not reported

WAHIAWA CIVIC CENTER (Continued) **1028283439**

UST FINDER RELEASE:

Object ID:	146177
Facility ID:	HI9-202643
Lust ID:	HI930004
Name:	WAHIAWA CIVIC CENTER
Address:	910 CALIFORNIA AVE
City,State,Zip:	SCHOFIELD BARRACKS, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	2521
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0253615
Y Coord:	21.49775951
Latitude:	21.49775951
Longitude:	-158.0253615

M51 **U.S. POSTAL SERVICE - WAHIAWA** **UST FINDER** **1028283318**
North **115 LEHUA ST** **UST FINDER RELEASE** **N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.340 mi.
1793 ft. **Site 1 of 4 in cluster M**

Relative:
Higher

Actual:
901 ft.

UST FINDER:

Object ID:	109070
Facility ID:	HI9-201776
Name:	U.S. POSTAL SERVICE - WAHIAWA
Address:	115 LEHUA ST
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	2
TOS USTs:	0
Population 1500ft:	2216
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported

U.S. POSTAL SERVICE - WAHIAWA (Continued) **1028283318**

Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.027453
Y Coord:	21.498564
Latitude:	21.498564
Longitude:	-158.027453

UST FINDER:

Object ID:	401539
Facility ID:	HI9-201776
Tank ID:	HI9-201776R-1
Tank Status:	Closed
Installation Date:	1968/04/26 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	6000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	398350
Facility ID:	HI9-201776
Tank ID:	HI9-201776r-2
Tank Status:	Closed
Installation Date:	1992/08/30 15:59:59+00
Removal Date:	Not reported
Tank Capacity:	6000
Substances:	Gasoline
Tank Wall Type:	Not reported

UST FINDER RELEASE:

Object ID:	145285
Facility ID:	HI9-201776
Lust ID:	HI920174
Name:	U.S. POSTAL SERVICE - WAHIAWA
Address:	115 LEHUA ST
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	2303
Domestic Wells within 1500ft:	0
Land Use:	Not reported

U.S. POSTAL SERVICE - WAHIAWA (Continued) **1028283318**

Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0272068
Y Coord:	21.4983194000001
Latitude:	21.4983194
Longitude:	-158.027206799999

M52 **U.S. POSTAL SERVICE - WAHIAWA** **LUST** **U001236404**
North **115 LEHUA ST** **UST** **N/A**
1/4-1/2 **WAHIAWA, HI 96786** **Financial Assurance**
0.340 mi.
1793 ft. **Site 2 of 4 in cluster M**

Relative:
Higher

Actual:
901 ft.

LUST:

Name:	U.S. POSTAL SERVICE - WAHIAWA
Address:	115 LEHUA ST
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201776
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	04/16/1996
Release ID:	920174
Project Officer:	Not Assigned

UST:

Name:	U.S. POSTAL SERVICE - WAHIAWA
Address:	115 Lehua St
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201776
Owner:	U.S. POSTAL SERVICE
Owner Address:	850 CHERRY AVENUE
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.498564
Longitude:	-158.027453
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching
Tank ID:	R-1
Date Installed:	04/26/1968
Tank Status:	**Permanently Out of Use**
Date Closed:	08/10/1992

U.S. POSTAL SERVICE - WAHIAWA (Continued) **U001236404**

Tank Capacity: 6000
Substance: Gasoline

Name: U.S. POSTAL SERVICE - WAHIAWA
Address: 115 Lehua St
City,State,Zip: WAHIAWA, HI 96786

Tank ID: r-2
Date Installed: 08/30/1992
Tank Status: Permanently Out of Use
Date Closed: 09/21/2004
Tank Capacity: 6000
Substance: Gasoline

HI Financial Assurance:
Name: U.S. POSTAL SERVICE - WAHIAWA
Address: 115 Lehua St
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201776
Tank Id: r-2
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: U.S. POSTAL SERVICE - WAHIAWA
Address: 115 Lehua St
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201776
Tank Id: R-1
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

N53 **NCTAMSPAC CENTER STREET** **SHWS** **S106819229**
NNE **500 CENTER ST** **ENG CONTROLS** **N/A**
1/4-1/2 **WAHIAWA, HI 96786** **SPILLS**
0.380 mi. **HWP**
2006 ft. **Site 1 of 3 in cluster N**

Relative: Higher
Actual: 913 ft.

SHWS:
IHEER ID: 1277
Name: NAVAL COMPUTER & TELECOMMUNICATION AREA MASTER STATION (NCTAMS)
Address: 500 CENTER ST
Address 2: Not reported
City,State,Zip: WAHIAWA, HI 96786
Zip 2: Not reported
Lead Agency: Not reported
HID Number: Not reported
Island: Not reported
Environmental Interest: Not reported
Project Manager: Not reported
Hazard Priority: Not reported
Facility Registry Identifier: Not reported
Location Description: NCTAMSPAC
Supplemental Location: Not reported

NCTAMSPAC CENTER STREET (Continued) **S106819229**

Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	Not reported
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	No
Update On:	Not reported
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	Not reported
Longitude:	Not reported

ENG CONTROLS:

Supplemental Location Text:	NCTAMSPAC
Zip Suffix:	3050
Island:	Oahu
Potential Hazards And Controls:	Hazard Managed With Controls
Engineering Control:	Engineering Control Required

SPILLS:

Name:	NCTAMSPAC CENTER STREET
Address:	500 CENTER ST
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
Supplemental Loc. Text:	NCTAMSPAC
Case Number:	19900329-1
Facility Registry ID:	110013768823
HID Number:	HI0170090054
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	Not reported
Units:	Navy Communication Station, Wahiawa
Activity Type:	Response
Activity Lead:	Not reported
Assignment End Date:	Not reported
Result:	SOSC NFA
File Under:	United States, Department of Navy, Naval Computer and Telecommunications Area Master Station-Pacific
Substances:	PCB, AROCLOR 1260
Quanity:	Not reported
Units:	Not reported
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported

NCTAMSPAC CENTER STREET (Continued) **S106819229**

Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	21.515743000000001
Longitude:	-157.996272
Name:	NCTAMSPAC CENTER STREET
Address:	500 CENTER ST
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
Supplemental Loc. Text:	NCTAMSPAC
Case Number:	19900329-1
Facility Registry ID:	110013768823
HID Number:	HI0170090054
Lead and Program:	HEER EP&R
ER:	Not reported
Less Or Greater Than:	Not reported
Units:	Navy Communication Station, Wahiawa
Activity Type:	Response
Activity Lead:	Not reported
Assignment End Date:	Not reported
Result:	SOSC NFA
File Under:	United States, Department of Navy, Naval Computer and Telecommunications Area Master Station-Pacific
Substances:	PCB, AROCLOR 1260
Quanity:	Not reported
Units:	Not reported
Reported Date:	Not reported
Release Date:	Not reported
Release Duration:	Not reported
Media:	Not reported
Waterbody:	Not reported
Summary:	Not reported
Is Noteworthy for Reports:	Not reported
Is the Release a Fugitive Dumping:	Not reported
Tax Map Key:	Not reported
Assigned SOSC:	Not reported
Notified Agencies:	Not reported
Response Measures Taken:	Not reported
Incident Report Number:	Not reported
Coordination Needed:	Not reported

NCTAMSPAC CENTER STREET (Continued) **S106819229**

Tier II Facility: Not reported
RMP: Not reported
Follow-up Received On: Not reported
Cost Recovery: Not reported
Invoice To: Not reported
Closed Date: Not reported
Comments: Not reported
Latitude: 21.508410000000001
Longitude: -158.02701200000001

HWP:
Handler ID: HI6170024388
HW File Number: Not reported
RCRA Number: Not reported
Name: NAVY REGION HAWAII - NCTAMS WAHIAWA
Address: 500 CENTER ST
City,State,Zip: WAHIAWA, HI 96786-3050
Island: Not reported
TMK: Not reported
Active Site: Y
Generator Status: VSG
Transporter: N
Universal Waste: N
Used Oil: NNNNNNN

Handler ID: Not reported
HW File Number: HW-2603
RCRA Number: HI6170024388
Name: USNAVY EASTPAC, NCTAMS
Address: 500 CENTER STREET
City,State,Zip: WAHIAWA, HI 96786
Island: Oahu
TMK: Not reported
Active Site: Not reported
Generator Status: Not reported
Transporter: Not reported
Universal Waste: Not reported
Used Oil: Not reported

N54 **NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER** **NPL** **1000167735**
NNE **500 CENTER STREET** **SEMS** **HI0170090054**
1/4-1/2 **WAHIAWA, HI 96786** **US ENG CONTROLS**
0.380 mi. **US INST CONTROLS**
2006 ft. **Site 2 of 3 in cluster N** **ROD**
ICIS

Relative:
Higher

Actual:
913 ft.

NPL:
EPA Region: 09
EPA ID: HI0170090054
Site ID: 0902904
Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
Federal: Y
Final Date: 1994-05-31 00:00:00
Latitude: 21.519027

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Longitude:	-158.005138
Site Score:	50
NAI:	Not reported
Native American Entity:	Not reported

Substance as of 08/2019:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
CAS Number:	Not reported
Substance:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A046
CAS Number:	1336-36-3
Substance:	POLYCHLORINATED BIPHENYLS
Pathway:	SOIL EXPOSURE PATHWAY
Scoring:	4

Summary Details:

The Naval Computer and Telecommunications Area Master Station Eastern Pacific NCTAMS EASTPAC) site is used for operating and maintaining facilities and equipment for the Navy s Defense Communications System. The NCTAMS EASTPAC site consistsof facilities located throughout the Island of Oahu. These include facilities at Wahiawa, Lualualei, Opana, Kokekole Pass, Pearl Harbor, and various satellite telecommunication locations. The Navy s Initial Assessment Study IAS) identified 14 potential ha ardous waste sources at NCTAMS EASTPAC, all located at either Lualualei or Wahiawa. The Lualualei and Wahiawa facilities are approximately 10 miles apart. The Lualualei facility occupies 1,700 acres in a large coastal valley on the southeastern shore of Oahu. The facility is surrounded by agricultural, urban, and conservation land areas. Eight potential ha ardous waste sources were identified at the Lualualei facility during the IAS. The sources include the OldCoral Pit, Antenna 403 Disposal Area, Antenna 441 Disposal Area, Building 65 Disposal Area, Antenna 354 Disposal Area, Two Wells near Building 1, Old NRTF Landfill, and Transformer Locations. All subsequent investigations evaluated the Antenna354 Disposal Area and Transformer Locations only. Ground water in the area is brackish, and there are no drinking water wells downgradient of the facility. Surface water downstream of the site is not used for drinking water. The Wahiawafacility occupies 700 acres on the central plateau of Oahu. The northern and eastern borders of the facility lie adjacent to the Ewa Forest Reserve and other conservation land. Adjacent to the southern border of the facility are pineapple fields and conservation land. The town of Whitmore Village borders the facility to the west and the City of Wahiawa lies approximately 1 mile to the southwest. Polychlorinated biphenyls PCBs) have been detected in soil surrounding electricaltransformers within 200 feet of onbase residences at the Wahiawa facility. Approximately 248 people live in these residences. From 1942 until 1977, a 6-ounce sample of fluid from each transformer was tested quarterly to evaluate insulating properties and was then disposed of on the ground. In June 1988 and March and December 1990, soil sampling conducted around the transformers indicated the presence of PCBs. In July 1990, the Navy set a cleanup goal of 10 ppm in excavating PCB-contaminated soil. Soil removal activities began in November 1990 and were completed in February 1991. In addition, an inactive landfill Old Wahiawa Landfill) was used for general disposal of all wastes generated at the site from the 1940suntil

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

1973. Although the majority the wastes were municipal solid wastes, waste lube oils, chlorinated and nonchlorinated solvents, transformer oil, hydraulic fluid, paint thinners, trichloroethane, creosote, and mercury were disposed of in the landfill. The southern edge of the Wahiawa facility drains into the North Fork Kaukonahua Stream, which flows into the Wahiawa Reservoir joining the Kaukonahua Stream which flows westward, converging with the Poamoho Stream. Most of thefacility, however, drains north into the Poamoho Stream which converges with the Kaukonahua Stream approximately 7 miles west of the site, at the Kiikii Stream. The Kiikii Stream flows for approximately 1 mile before emptying into Kaiaka Bay and the Pacific Ocean. Surface water within 15 miles downstream of the Wahiawa facility is not used as a source of drinking water. The Wahiawa Public Fishing Area is located approximately 0.5 southwest of the facility on the North Fork Kaukonahua Stream. Additional fisheries located within 15 miles downstream of the facility include Kaiaka Bay, the Pacific Ocean, and the area at the confluence of Poamoho and Kaukonahua Streams. There are six Federally-designated endangered/threatened species ofbirds and five Federally- designated/threatened species of turtles associated with surface water within 15 miles of the Wahiawa facility. The description of the site release) is based on information available at the time the site was scored. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices.

Category as of 08/2019:

NPL Status:	Currently on the Final NPL
Category Description:	Surface Water Adjacent To Site-Lake/Reservoir-Unknown
Category Value:	U

NPL Status:	Currently on the Final NPL
Category Description:	Surface Water Adjacent To Site-Perennial Stream-Unknown
Category Value:	U

Narratives as of 08/2019:

NPL Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER

Site as of 08/2019:

EPA Region:	09
Site ID:	0902904
Site Status:	F
Federal Site:	Y
Date Deleted:	Not reported
Date Finalized:	05/31/94
Date Proposed:	01/18/94

Site Status as of 08/2019:

Proposed Date:	01/18/1994
Final Date:	05/31/1994
Deleted Date:	Not reported
NPL Status:	Final

Narr:

Site Name:	Naval Computer and Telecommunications Area Master Station Eastern Pacific
Site EPA ID:	HI0170090054
Listing Date:	5/31/1994
Site Score:	50

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Federal Facility Indicator: Yes

Site List URL:

Site Progress URL:

Federal Register URL:

Site Location URL:

SEMS:
Site ID: 0902904
EPA ID: HI0170090054
Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 CENTER STREET
Address 2: Not reported
City,State,Zip: WAHIAWA, HI 96786
Cong District: 02,2
FIPS Code: 15003
Latitude: 21.519027
Longitude: -158.005138
FF: Y
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 09
Site ID: 0902904
EPA ID: HI0170090054
Site Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL: F
FF: Y
OU: 00
Action Code: LZ
Action Name: FF CR
SEQ: 1
Start Date: 2009-03-31 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902904
EPA ID: HI0170090054
Site Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL: F
FF: Y
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1994-01-11 05:00:00
Finish Date: 1994-01-11 05:00:00
Qual: Not reported

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Current Action Lead: Fed Fac

Region: 09
Site ID: 0902904
EPA ID: HI0170090054
Site Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL: F
FF: Y
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1994-05-31 04:00:00
Finish Date: 1994-05-31 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902904
EPA ID: HI0170090054
Site Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL: F
FF: Y
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1994-01-18 05:00:00
Finish Date: 1994-01-18 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902904
EPA ID: HI0170090054
Site Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL: F
FF: Y
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1991-03-28 05:00:00
Finish Date: 1991-03-28 05:00:00
Qual: H
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902904
EPA ID: HI0170090054
Site Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL: F
FF: Y

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1987-05-01 04:00:00
Finish Date:	1987-05-01 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1991-03-28 05:00:00
Finish Date:	1991-03-28 05:00:00
Qual:	H
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	01
Action Code:	LY
Action Name:	FF RA
SEQ:	9
Start Date:	2010-10-01 04:00:00
Finish Date:	2012-05-08 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	01
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	1
Start Date:	1995-04-26 04:00:00
Finish Date:	2010-02-04 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	2010-02-04 05:00:00
Finish Date:	2010-02-04 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	02
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	2
Start Date:	2004-08-02 04:00:00
Finish Date:	2006-09-28 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	2006-09-28 04:00:00
Finish Date:	2006-09-28 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	03
Action Code:	LY

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Action Name:	FF RA
SEQ:	10
Start Date:	2011-06-01 05:00:00
Finish Date:	2012-07-11 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	03
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	6
Start Date:	2004-09-16 04:00:00
Finish Date:	2007-09-30 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	03
Action Code:	RO
Action Name:	ROD
SEQ:	3
Start Date:	2007-09-28 04:00:00
Finish Date:	2007-09-28 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	03
Action Code:	RO
Action Name:	ROD
SEQ:	15
Start Date:	2010-12-22 05:00:00
Finish Date:	2010-12-22 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	04
Action Code:	LY
Action Name:	FF RA
SEQ:	8
Start Date:	2010-02-03 05:00:00
Finish Date:	2012-05-08 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	04
Action Code:	RO
Action Name:	ROD
SEQ:	5
Start Date:	2010-02-03 05:00:00
Finish Date:	2010-02-03 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	05
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	3
Start Date:	2010-07-15 05:00:00
Finish Date:	2014-04-25 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	05
Action Code:	RO
Action Name:	ROD
SEQ:	6

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Start Date:	2014-04-25 05:00:00
Finish Date:	2014-04-25 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	06
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	5
Start Date:	2016-03-25 04:00:00
Finish Date:	2020-06-12 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	06
Action Code:	RO
Action Name:	ROD
SEQ:	7
Start Date:	2020-06-12 05:00:00
Finish Date:	2020-06-12 05:00:00
Qual:	R
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	07
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	7
Start Date:	2010-05-09 05:00:00
Finish Date:	2014-09-15 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

	PACIFIC
NPL:	F
FF:	Y
OU:	07
Action Code:	RO
Action Name:	ROD
SEQ:	8
Start Date:	2014-09-15 05:00:00
Finish Date:	2014-09-15 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	08
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	8
Start Date:	2006-03-27 05:00:00
Finish Date:	2007-07-13 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	08
Action Code:	RO
Action Name:	ROD
SEQ:	9
Start Date:	2012-11-21 05:00:00
Finish Date:	2012-11-21 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	09
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	9
Start Date:	2010-09-08 04:00:00
Finish Date:	2013-05-27 05:00:00

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	09
Action Code:	RO
Action Name:	ROD
SEQ:	10
Start Date:	2013-05-27 05:00:00
Finish Date:	2013-05-27 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	10
Action Code:	LY
Action Name:	FF RA
SEQ:	4
Start Date:	2018-09-28 05:00:00
Finish Date:	2018-09-28 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	10
Action Code:	LX
Action Name:	FF RD
SEQ:	4
Start Date:	2018-09-07 05:00:00
Finish Date:	2018-09-18 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

FF:	Y
OU:	10
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	10
Start Date:	2012-02-01 05:00:00
Finish Date:	2018-09-07 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	10
Action Code:	RO
Action Name:	ROD
SEQ:	11
Start Date:	2018-09-07 05:00:00
Finish Date:	2018-09-07 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	11
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	11
Start Date:	2010-08-02 05:00:00
Finish Date:	2015-03-12 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	11
Action Code:	RO
Action Name:	ROD
SEQ:	12
Start Date:	2015-03-12 04:00:00
Finish Date:	2015-03-12 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	12
Action Code:	LY
Action Name:	FF RA
SEQ:	7
Start Date:	2018-05-18 04:00:00
Finish Date:	2018-09-28 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	12
Action Code:	LX
Action Name:	FF RD
SEQ:	7
Start Date:	2017-12-13 05:00:00
Finish Date:	2018-05-18 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	12
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	13
Start Date:	2012-12-01 05:00:00
Finish Date:	2017-09-20 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902904
EPA ID:	HI0170090054
Site Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
NPL:	F
FF:	Y
OU:	12
Action Code:	RO

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Action Name: ROD
SEQ: 14
Start Date: 2017-09-20 05:00:00
Finish Date: 2017-09-20 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

SIte:
Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 CENTER STREET
Address 2: Not reported
City,State,Zip: WAHIAWA, HI 96786
Event Code: Not reported
Action Taken Date: 06/12/2020
EPA ID: HI0170090054
Action Name: Record of Decision
Action ID: 7
Operable Unit: 06
Contaminated Media: Soil
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2020
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 21.519027
Longitude: -158.005138

Media:
EPA ID: HI0170090054
Contaminated Media: Soil
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/28/2006
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2006
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 21.519027
Longitude: -158.005138

EPA ID: HI0170090054
Contaminated Media: Soil
Action ID: 3
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 09/28/2007
Event Code: Not reported
Contact Name: Not reported

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	5
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	02/03/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	5
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	02/03/2010
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Sediment
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/25/2014
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2014
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Latitude:	21.519027
Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Liquid Waste
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/25/2014
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2014
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Sludge
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/25/2014
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2014
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/25/2014
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2014
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Surface Water
Action ID:	6

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/25/2014
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2014
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/25/2014
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2014
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	7
Operable Unit:	06
Action Name:	Record of Decision
Action Taken Date:	06/12/2020
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2020
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	8
Operable Unit:	07
Action Name:	Record of Decision
Action Taken Date:	09/15/2014
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2014
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	9
Operable Unit:	08
Action Name:	Record of Decision
Action Taken Date:	11/21/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	10
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	05/27/2013
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

EPA ID:	HI0170090054
Contaminated Media:	Surface Water
Action ID:	10
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	05/27/2013
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	11
Operable Unit:	10
Action Name:	Record of Decision
Action Taken Date:	09/07/2018
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2018
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	03/12/2015
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2015
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Groundwater
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	03/12/2015
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2015
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
EPA ID:	HI0170090054
Contaminated Media:	Soil
Action ID:	14
Operable Unit:	12

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Action Name:	Record of Decision
Action Taken Date:	09/20/2017
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

US INST CONTROLS:

Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 CENTER STREET
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
Action Name:	Record of Decision
Action ID:	1
Operable Unit:	01
Actual Date:	02/04/2010
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 CENTER STREET
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
Action Name:	Record of Decision
Action ID:	5
Operable Unit:	04
Actual Date:	02/03/2010
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2010
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Longitude:	-158.005138
Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 CENTER STREET
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
Action Name:	Record of Decision
Action ID:	11
Operable Unit:	10
Actual Date:	09/07/2018
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2018
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 CENTER STREET
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
Action Name:	Record of Decision
Action ID:	14
Operable Unit:	12
Actual Date:	09/20/2017
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138
Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 CENTER STREET
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
Action Name:	Record of Decision
Action ID:	15
Operable Unit:	03
Actual Date:	12/22/2010
Contaminated Media:	Solid Waste

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2011
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 CENTER STREET
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
Action Name:	Record of Decision
Action ID:	15
Operable Unit:	03
Actual Date:	12/22/2010
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2011
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	21.519027
Longitude:	-158.005138

ROD:

Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 Center Street
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
RG:	9
Site ID:	902904
Action:	FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number:	BLDG 293 DUMPSITE
SEQ ID:	2
Action Completion:	2006-09-28 00:00:00
NPL Status:	Final
Non NPL Status:	Not reported

Name:	NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address:	500 Center Street
City,State,Zip:	WAHIAWA, HI 96786
EPA ID:	HI0170090054
RG:	9
Site ID:	902904
Action:	FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number:	BLD 1 SEWAGE POND
SEQ ID:	6
Action Completion:	2014-04-25 00:00:00

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: WEST GULCH
SEQ ID: 8
Action Completion: 2014-09-15 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: BUILDING 6 DISPOSAL SITE
SEQ ID: 9
Action Completion: 2012-11-21 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SERVICE STATION GULCH
SEQ ID: 10
Action Completion: 2013-05-27 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OLD CORAL PIT
SEQ ID: 11
Action Completion: 2018-09-07 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: BLDG 65 DISPOSAL AREA
SEQ ID: 12
Action Completion: 2015-03-12 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OLD NRTF LANDFILL
SEQ ID: 14
Action Completion: 2017-09-20 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: TRANSFORMER SITES
SEQ ID: 15
Action Completion: 2010-12-22 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: GOVT Decision Document (ROD)
Operable Unit Number: OIS
SEQ ID: 1
Action Completion: 2010-02-04 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: GOVT Decision Document (ROD)

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) 1000167735

Operable Unit Number: TRANSFORMER SITES
SEQ ID: 3
Action Completion: 2007-09-28 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Address: 500 Center Street
City,State,Zip: WAHIAWA, HI 96786
EPA ID: HI0170090054
RG: 9
Site ID: 902904
Action: GOVT Decision Document (ROD)
Operable Unit Number: OWLF
SEQ ID: 5
Action Completion: 2010-02-03 00:00:00
NPL Status: Final
Non NPL Status: Not reported

ICIS:
Enforcement Action ID: 09-2014-2515
FRS ID: 110013768823
Action Name: Naval Computer and Telecommunications Area Master Station Eastern Pacific
Facility Name: NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EASTERN PACIFIC
Facility Address: 500 CENTER STREET
WAHIAWA, HI 96786
Enforcement Action Type: CERCLA 120E Federal Facility Agreement (FFA)
Facility County: HONOLULU
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 120E
Facility SIC Code: Not reported
Federal Facility ID: HI0170090054
Latitude in Decimal Degrees: 21.515879
Longitude in Decimal Degrees: -157.99608
Permit Type Desc: Not reported
Program System Acronym: 3400107722
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: 09-2009-2517
FRS ID: 110013768823
Action Name: NCTAMS Federal Facility Agreement
Facility Name: NCTAMS EASTPAC - WAHIAWA
Facility Address: 500 CENTER STREET
WAHIAWA, HI 96786-3007
Enforcement Action Type: CERCLA 120E Federal Facility Agreement (FFA)
Facility County: HONOLULU
Program System Acronym: CERCLIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 120E
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 21.51902
Longitude in Decimal Degrees: -158.00513

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Permit Type Desc: Not reported
Program System Acronym: HI0170090054
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N
Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: NCTAMS EASTPAC - WAHIAWA
Address: 500 CENTER STREET
Tribal Indicator: N

NAVAL COMPUTER AND TELECOMMUNICATIONS AREA MASTER STATION EA (Continued) **1000167735**

Fed Facility: Yes
NAIC Code: Not reported
SIC Code: Not reported

L55 **WAHIAWA SCHOOL** **FUDS** **1024902124**
NNE **N/A**
1/4-1/2 **WAHIAWA, HI**
0.387 mi.
2044 ft. **Site 3 of 5 in cluster L**

Relative: **Higher**
Actual: **925 ft.**

FUDS:
EPA Region: 09
Installation ID: HI99799F406400
Congressional District Number: 2
Name: WAHIAWA SCHOOL
FUDS Number: H09HI0343
City: WAHIAWA
State: HI
County: HONOLULU
Object ID: 874
USACE Division: pod
USACE District: poh
Status: Properties without projects
Current Owner: PRIV: PRIVATE

EMS Map Link:
Eligibility: Eligible
Has Projects: no
NPL Status: Not on the NPL
Project Required: no
Feature Description: Immediately After The Attack On Pearl Harborm Wahiawa Elem School Was Used As An Emergency Hospital. Construction Of The Wahiawa General Hospital Required Demolition Of The School.
Latitude: 21.49833333
Longitude: -158.025

L56 **HELE WAHIAWA #199** **SHWS** **U001236034**
NNE **966 CALIFORNIA AVE** **LUST** **N/A**
1/4-1/2 **WAHIAWA, HI 96786** **UST**
0.388 mi. **Financial Assurance**
2048 ft. **Site 4 of 5 in cluster L** **HWP**

Relative: **Higher**
Actual: **927 ft.**

SHWS:
IHEER ID: 2715
Name: FLAGSHIP 76 #3128
Address: 966 CALIFORNIA AVE
Address 2: Not reported
City,State,Zip: WAHIAWA, HI 96786
Zip 2: Not reported
Lead Agency: HEER Office
HID Number: Not reported
Island: Oahu
Environmental Interest: Not reported
Project Manager: Not reported
Hazard Priority: Unranked
Facility Registry Identifier: Not reported

HELE WAHIAWA #199 (Continued) **U001236034**

Location Description:	966 California Ave, Wahiawa, HI 96786
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	12/17/2020
Status name:	NFA
Aliases:	Flagship 76 #3128 (Jimmy s; Mike s Wahiawa; Unocal SS#3128); Jimmy s Unocal; Mike s Wahiawa Unocal; Unocal SS#3128
Tax Map Keys:	174006019;
Latitude:	21.498199
Longitude:	-158.02478

SHWS:

IHEER ID:	2715
Document Type:	No Further Action Determination Letter
Document Title:	Review Of Hydraulic Hoist Closure Assessment Dated August 3 1,2007
Document Date:	Sep 12, 2007
Document Number:	171147

IHEER ID:	2715
Document Type:	Environmental Assessment
Document Title:	Cover Letter Hydraulic Hoist Closure Assessment, Flagship Union 76 Service Station, 966 California Ave, Wahiawa
Document Date:	Aug 31, 2007
Document Number:	16620

IHEER ID:	2715
Document Type:	Undetermined
Document Title:	Hydraulic Hoist Closure Assessment, Flagship Union 76 Service Station, 966 California Ave, Wahiawa
Document Date:	Aug 31, 2007
Document Number:	70844

LUST:

Name:	HELE WAHIAWA #199
Address:	966 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200030
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	03/20/1997
Release ID:	970057
Project Officer:	Chad Pritchard

Name:	HELE WAHIAWA #199

HELE WAHIAWA #199 (Continued) **U001236034**

Address: 966 CALIFORNIA AVE
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200030
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 03/02/2005
Release ID: 040055
Project Officer: Chad Pritchard

UST:
Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-200030
Owner: Par Hawaii
Owner Address: 91-325 Komohana Street
Owner City,St,Zip: Wahiawa, 96786 96786
Latitude: 21.498209
Longitude: -158.024690
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: Map

Tank ID: 1 (3128-5)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1 (3128-5)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1 (3128-5)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1 (3128-5)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**

HELE WAHIAWA #199 (Continued) **U001236034**

Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 1 (3128-5)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2 (3128-6)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2 (3128-6)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2 (3128-6)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2 (3128-6)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000

HELE WAHIAWA #199 (Continued) **U001236034**

Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: 2 (3128-6)
Date Installed: 04/05/1990
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasohol

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-1
Date Installed: 04/05/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 8000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-1
Date Installed: 04/05/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 8000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-1
Date Installed: 04/05/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 8000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-1
Date Installed: 04/05/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 8000
Substance: Gasoline

HELE WAHIAWA #199 (Continued) **U001236034**

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-1
Date Installed: 04/05/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 8000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-2
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 6000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-2
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 6000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-2
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 6000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-2
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 6000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave

HELE WAHIAWA #199 (Continued) **U001236034**

City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-2
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 6000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-4
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 550
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-4
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 550
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-4
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 550
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-4
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 550
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

HELE WAHIAWA #199 (Continued) **U001236034**

Tank ID: R-3128-4
Date Installed: 04/02/1967
Tank Status: **Permanently Out of Use**
Date Closed: 03/01/1990
Tank Capacity: 550
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-7
Date Installed: 04/05/1990
Tank Status: **Permanently Out of Use**
Date Closed: 11/30/1996
Tank Capacity: 520
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-7
Date Installed: 04/05/1990
Tank Status: **Permanently Out of Use**
Date Closed: 11/30/1996
Tank Capacity: 520
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-7
Date Installed: 04/05/1990
Tank Status: **Permanently Out of Use**
Date Closed: 11/30/1996
Tank Capacity: 520
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-7
Date Installed: 04/05/1990
Tank Status: **Permanently Out of Use**
Date Closed: 11/30/1996
Tank Capacity: 520
Substance: Used Oil

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-3128-7
Date Installed: 04/05/1990

HELE WAHIAWA #199 (Continued) **U001236034**

Tank Status:	**Permanently Out of Use**
Date Closed:	11/30/1996
Tank Capacity:	520
Substance:	Used Oil
Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-NA-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/11/1996
Tank Capacity:	2000
Substance:	Gasoline
Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-NA-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/11/1996
Tank Capacity:	2000
Substance:	Gasoline
Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-NA-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/11/1996
Tank Capacity:	2000
Substance:	Gasoline
Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-NA-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/11/1996
Tank Capacity:	2000
Substance:	Gasoline
Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-NA-1
Date Installed:	Not reported
Tank Status:	**Permanently Out of Use**
Date Closed:	12/11/1996

HELE WAHIAWA #199 (Continued) **U001236034**

Tank Capacity: 2000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-NA-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 12/11/1996
Tank Capacity: 2000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-NA-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 12/11/1996
Tank Capacity: 2000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-NA-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 12/11/1996
Tank Capacity: 2000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-NA-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 12/11/1996
Tank Capacity: 2000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-NA-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 12/11/1996
Tank Capacity: 2000
Substance: Gasoline

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-NA-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 12/11/1996
Tank Capacity: 2000
Substance: Gasoline

HELE WAHIAWA #199 (Continued) **U001236034**

HI Financial Assurance:

Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200030
Tank Id:	R-NA-1
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not reported
FR Archive:	True

Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200030
Tank Id:	R-3128-2
Tank Status:	Permanently Out of Use
FRTYPE:	Not reported
Expiration Date:	Not reported
FR Archive:	False

Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200030
Tank Id:	R-NA-2
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not reported
FR Archive:	True

Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200030
Tank Id:	R-3128-4
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not reported
FR Archive:	True

Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200030
Tank Id:	R-NA-2
Tank Status:	Permanently Out of Use
FRTYPE:	Not reported
Expiration Date:	Not reported
FR Archive:	False

Name:	HELE WAHIAWA #199
Address:	966 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200030
Tank Id:	2 (3128-6)
Tank Status:	Currently In Use

HELE WAHIAWA #199 (Continued) **U001236034**

FRTYPE: Not reported
Expiration Date: Not reported
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: 1 (3128-5)
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-1
Tank Status: Permanently Out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: 2 (3128-6)
Tank Status: Currently In Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-1
Tank Status: Permanently Out of Use
FRTYPE: Not reported
Expiration Date: Not reported
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-NA-2
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786

HELE WAHIAWA #199 (Continued) **U001236034**

Alt Facility ID: 9-200030
Tank Id: R-3128-4
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: 1 (3128-5)
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-7
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-1
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: 2 (3128-6)
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-NA-1
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

HELE WAHIAWA #199 (Continued) **U001236034**

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-2
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2020
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-NA-1
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-NA-2
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-4
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: 2 (3128-6)
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-7
Tank Status: Permanently Out of Use
FRTYPE: Insurance

HELE WAHIAWA #199 (Continued) **U001236034**

Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-2
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-1
Tank Status: Permanently Out of Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: 1 (3128-5)
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 09/30/2023
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: 1 (3128-5)
Tank Status: Currently In Use
FRTYPE: Not reported
Expiration Date: Not reported
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-2
Tank Status: Permanently Out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030

HELE WAHIAWA #199 (Continued) **U001236034**

Tank Id: R-3128-4
Tank Status: Permanently Out of Use
FRTYPE: Not reported
Expiration Date: Not reported
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-7
Tank Status: Permanently Out of Use
FRTYPE: Not reported
Expiration Date: Not reported
FR Archive: False

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-3128-7
Tank Status: Permanently Out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: True

Name: HELE WAHIAWA #199
Address: 966 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-200030
Tank Id: R-NA-1
Tank Status: Permanently Out of Use
FRTYPE: Not reported
Expiration Date: Not reported
FR Archive: False

HWP:
Handler ID: HIR000000380
HW File Number: Not reported
RCRA Number: Not reported
Name: PAR HAWAII LLC - HELE WAHIAWA #61199
Address: 966 CALIFORNIA AVE
City,State,Zip: WAHIAWA, HI 96786
Island: Not reported
TMK: Not reported
Active Site: Y
Generator Status: VSG
Transporter: N
Universal Waste: N
Used Oil: NNNNNNN

L57 **WAHIAWA 76 (#199)** **UST FINDER** **1028282983**
NNE **966 CALIFORNIA AVE** **UST FINDER RELEASE** **N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.388 mi.
2048 ft. **Site 5 of 5 in cluster L**

Relative:
Higher

Actual:
927 ft.

UST FINDER:

Object ID:	108835
Facility ID:	HI9-200030
Name:	WAHIAWA 76 (#199)
Address:	966 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	2
Closed USTs:	6
TOS USTs:	0
Population 1500ft:	2420
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Open UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.02469
Y Coord:	21.498209
Latitude:	21.498209
Longitude:	-158.02469

UST FINDER:

Object ID:	401671
Facility ID:	HI9-200030
Tank ID:	HI9-200030R-3128-1
Tank Status:	Closed
Installation Date:	1967/04/05 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	8000
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	401672
Facility ID:	HI9-200030
Tank ID:	HI9-200030R-3128-2
Tank Status:	Closed
Installation Date:	1967/04/02 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	6000
Substances:	Gasoline
Tank Wall Type:	Not reported

WAHIAWA 76 (#199) (Continued) **1028282983**

Object ID: 401673
Facility ID: HI9-200030
Tank ID: HI9-200030R-3128-4
Tank Status: Closed
Installation Date: 1967/04/02 16:00:01+00
Removal Date: Not reported
Tank Capacity: 550
Substances: Used Oil
Tank Wall Type: Not reported

Object ID: 403883
Facility ID: HI9-200030
Tank ID: HI9-200030R-NA-1
Tank Status: Closed
Installation Date: Not reported
Removal Date: Not reported
Tank Capacity: 2000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 403884
Facility ID: HI9-200030
Tank ID: HI9-200030R-NA-2
Tank Status: Closed
Installation Date: Not reported
Removal Date: Not reported
Tank Capacity: 2000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 398644
Facility ID: HI9-200030
Tank ID: HI9-2000301 (3128-5)
Tank Status: Open
Installation Date: 1990/04/05 15:59:59+00
Removal Date: Not reported
Tank Capacity: 12000
Substances: Gasohol
Tank Wall Type: Not reported

Object ID: 398645
Facility ID: HI9-200030
Tank ID: HI9-2000302 (3128-6)
Tank Status: Open
Installation Date: 1990/04/05 15:59:59+00
Removal Date: Not reported
Tank Capacity: 12000
Substances: Gasohol
Tank Wall Type: Not reported

Object ID: 398646
Facility ID: HI9-200030
Tank ID: HI9-200030R-3128-7
Tank Status: Closed
Installation Date: 1990/04/05 15:59:59+00
Removal Date: Not reported
Tank Capacity: 520

WAHIAWA 76 (#199) (Continued) **1028282983**

Substances: Used Oil
Tank Wall Type: Not reported

UST FINDER RELEASE:
Object ID: 146294
Facility ID: HI9-200030
Lust ID: HI040055
Name: WAHIAWA 76 (#199)
Address: 966 CALIFORNIA AVE
City,State,Zip: WAHIAWA, HI 0
Address Match Type: PointAddress
Reported Date: Not reported
Status: No Further Action
Substance: Not reported
Population within 1500ft: 2426
Domestic Wells within 1500ft: 0
Land Use: Not reported
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: Yes
WHPA PWS Facility ID: HI0000333_721
WHPA Water Type: GW - Ground water
WHPA Facility Type: WL - Well
WHPA HUC12: 200600000102
Within 100yr Floodplain: Not reported
Tribe: Not reported
EPA Region: 9
NFA Letter 1: Not reported
NFA Letter 2: Not reported
NFA Letter 3: Not reported
NFA Letter 4: Not reported
Closed With Residual Contaminate: Not reported
Coordinate Source: Geocode
X Coord: -158.024663
Y Coord: 21.4980645800001
Latitude: 21.49806458
Longitude: -158.024663

M58 **ACE TRANSMISSION** **UST FINDER** **1028283191**
North **720 KILANI AVE** **UST FINDER RELEASE** **N/A**
1/4-1/2 **SCHOFIELD BARRACKS, HI 96786**
0.395 mi.
2087 ft. **Site 3 of 4 in cluster M**

Relative:
Higher

Actual:
895 ft.

UST FINDER:
Object ID: 108977
Facility ID: HI9-201023
Name: ACE TRANSMISSION
Address: 720 KILANI AVE
City,State,Zip: SCHOFIELD BARRACKS, HI 96786
Address Match Type: Not reported
Open USTs: 0
Closed USTs: 7

ACE TRANSMISSION (Continued) **1028283191**

TOS USTs:	0
Population 1500ft:	2082
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.027781
Y Coord:	21.4989160000001
Latitude:	21.498916
Longitude:	-158.027781

UST FINDER:

Object ID:	402028
Facility ID:	HI9-201023
Tank ID:	HI9-201023R-1
Tank Status:	Closed
Installation Date:	1962/04/22 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	4000
Substances:	Gasoline
Tank Wall Type:	Not reported
Object ID:	402029
Facility ID:	HI9-201023
Tank ID:	HI9-201023R-2
Tank Status:	Closed
Installation Date:	1962/04/22 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	4000
Substances:	Gasoline
Tank Wall Type:	Not reported
Object ID:	402030
Facility ID:	HI9-201023
Tank ID:	HI9-201023R-3
Tank Status:	Closed
Installation Date:	1962/04/22 16:00:01+00
Removal Date:	Not reported
Tank Capacity:	6000
Substances:	Gasoline
Tank Wall Type:	Not reported
Object ID:	402031
Facility ID:	HI9-201023

ACE TRANSMISSION (Continued) **1028283191**

Tank ID: HI9-201023R-5
Tank Status: Closed
Installation Date: 1962/04/22 16:00:01+00
Removal Date: Not reported
Tank Capacity: 550
Substances: Used Oil
Tank Wall Type: Not reported

Object ID: 399125
Facility ID: HI9-201023
Tank ID: HI9-201023R-6
Tank Status: Closed
Installation Date: 1986/10/30 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 399126
Facility ID: HI9-201023
Tank ID: HI9-201023R-7
Tank Status: Closed
Installation Date: 1986/10/30 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 401135
Facility ID: HI9-201023
Tank ID: HI9-201023R-4
Tank Status: Closed
Installation Date: 1971/04/23 16:00:00+00
Removal Date: Not reported
Tank Capacity: 6000
Substances: Gasoline
Tank Wall Type: Not reported

UST FINDER RELEASE:
Object ID: 146002
Facility ID: HI9-201023
Lust ID: HI990068
Name: ACE TRANSMISSION
Address: 720 KILANI AVE
City,State,Zip: SCHOFIELD BARRACKS, HI 0
Address Match Type: PointAddress
Reported Date: Not reported
Status: No Further Action
Substance: Not reported
Population within 1500ft: 2116
Domestic Wells within 1500ft: 0
Land Use: Not reported
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported

ACE TRANSMISSION (Continued) **1028283191**

SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0277425
Y Coord:	21.4987980700001
Latitude:	21.4987980699999
Longitude:	-158.027742499999

M59 **ACE TRANSMISSION** **LUST** **U003154915**
North **720 KILANI AVE** **UST** **N/A**
1/4-1/2 **SCHOFIELD BARRACKS, HI 96786** **Financial Assurance**
0.395 mi. **HWP**
2087 ft. **Site 4 of 4 in cluster M**

Relative:
Higher

Actual:
895 ft.

LUST:

Name:	ACE TRANSMISSION
Address:	720 KILANI AVE
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Facility ID:	9-201023
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	08/03/1999
Release ID:	990068
Project Officer:	Richard Takaba

UST:

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Facility ID:	9-201023
Owner:	ACE TRANSMISSION
Owner Address:	720 KILANI AVE
Owner City,St,Zip:	Schofield Barracks, 96786 96786
Latitude:	21.498916
Longitude:	-158.027781
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching
Tank ID:	R-1
Date Installed:	04/22/1962
Tank Status:	**Permanently Out of Use**
Date Closed:	10/30/1986
Tank Capacity:	4000
Substance:	Gasoline
Name:	ACE TRANSMISSION

ACE TRANSMISSION (Continued) **U003154915**

Address: 720 Kilani Ave
City,State,Zip: SCHOFIELD BARRACKS, HI 96786

Tank ID: R-2
Date Installed: 04/22/1962
Tank Status: **Permanently Out of Use**
Date Closed: 10/01/1986
Tank Capacity: 4000
Substance: Gasoline

Name: ACE TRANSMISSION
Address: 720 Kilani Ave
City,State,Zip: SCHOFIELD BARRACKS, HI 96786

Tank ID: R-3
Date Installed: 04/22/1962
Tank Status: **Permanently Out of Use**
Date Closed: 10/01/1986
Tank Capacity: 6000
Substance: Gasoline

Name: ACE TRANSMISSION
Address: 720 Kilani Ave
City,State,Zip: SCHOFIELD BARRACKS, HI 96786

Tank ID: R-4
Date Installed: 04/23/1971
Tank Status: **Permanently Out of Use**
Date Closed: 10/01/1986
Tank Capacity: 6000
Substance: Gasoline

Name: ACE TRANSMISSION
Address: 720 Kilani Ave
City,State,Zip: SCHOFIELD BARRACKS, HI 96786

Tank ID: R-5
Date Installed: 04/22/1962
Tank Status: **Permanently Out of Use**
Date Closed: 10/01/1986
Tank Capacity: 550
Substance: Used Oil

Name: ACE TRANSMISSION
Address: 720 Kilani Ave
City,State,Zip: SCHOFIELD BARRACKS, HI 96786

Tank ID: R-6
Date Installed: 10/30/1986
Tank Status: **Permanently Out of Use**
Date Closed: 11/18/1998
Tank Capacity: 10000
Substance: Gasoline

Name: ACE TRANSMISSION
Address: 720 Kilani Ave
City,State,Zip: SCHOFIELD BARRACKS, HI 96786

ACE TRANSMISSION (Continued) **U003154915**

Tank ID:	R-7
Date Installed:	10/30/1986
Tank Status:	**Permanently Out of Use**
Date Closed:	11/18/1998
Tank Capacity:	10000
Substance:	Gasoline

HI Financial Assurance:

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Alt Facility ID:	9-201023
Tank Id:	R-7
Tank Status:	Permanently Out of Use
FRTYPE:	Not Listed
Expiration Date:	Not reported
FR Archive:	False

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Alt Facility ID:	9-201023
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Not Listed
Expiration Date:	Not reported
FR Archive:	False

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Alt Facility ID:	9-201023
Tank Id:	R-2
Tank Status:	Permanently Out of Use
FRTYPE:	Not Listed
Expiration Date:	Not reported
FR Archive:	False

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Alt Facility ID:	9-201023
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Not Listed
Expiration Date:	Not reported
FR Archive:	False

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Alt Facility ID:	9-201023
Tank Id:	R-4
Tank Status:	Permanently Out of Use
FRTYPE:	Not Listed
Expiration Date:	Not reported
FR Archive:	False

ACE TRANSMISSION (Continued) **U003154915**

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Alt Facility ID:	9-201023
Tank Id:	R-5
Tank Status:	Permanently Out of Use
FRTYPE:	Not Listed
Expiration Date:	Not reported
FR Archive:	False

Name:	ACE TRANSMISSION
Address:	720 Kilani Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Alt Facility ID:	9-201023
Tank Id:	R-6
Tank Status:	Permanently Out of Use
FRTYPE:	Not Listed
Expiration Date:	Not reported
FR Archive:	False

HWP:

Handler ID:	Not reported
HW File Number:	00-HW-1013
RCRA Number:	Not reported
Name:	ACE TRANSMISSION & GENERAL REPAIR
Address:	720 KILANI AVENUE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported

N60 **FUDS WAHIAWA SCHOOL** **SHWS** **S121406008**
NNE **N/A**
1/4-1/2 **WAHIAWA, HI**
0.396 mi.
2090 ft. **Site 3 of 3 in cluster N**

Relative:
Higher

Actual:
909 ft.

SHWS:

IHEER ID:	1962
Name:	FUDS WAHIAWA SCHOOL
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Not reported
Supplemental Location:	Not reported

FUDS WAHIAWA SCHOOL (Continued) **S121406008**

Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	DOD-IRP
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	09/09/2020
Status name:	ASSESSMENT
Aliases:	FUDS No. H09HI034300
Tax Map Keys:	174006003; 174006004; 174006020; 174006040; 174006041;
Latitude:	21.498874
Longitude:	-158.026127

SHWS:

IHEER ID:	1962
Document Type:	Undetermined
Document Title:	Derp-Fuds Inventory Project Report, Wahiawa School Wahiawa, Oahu Hi
Document Date:	Oct 1, 1995
Document Number:	159876

O61 **WAHIAWA CHEVRON SS** **UST FINDER** **1028283236**
NE **1011 CALIFORNIA AVE** **UST FINDER RELEASE** **N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.410 mi.
2164 ft. **Site 1 of 3 in cluster O**

Relative:
Higher

Actual:
929 ft.

UST FINDER:

Object ID:	109016
Facility ID:	HI9-201228
Name:	WAHIAWA CHEVRON SS
Address:	1011 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	4
TOS USTs:	0
Population 1500ft:	2341
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well

WAHIAWA CHEVRON SS (Continued) **1028283236**

WHPA HUC12: 200600000102
Facility Status: Closed UST(s)
Date of Last Inspection: Not reported
EPA Region: 9
Tribe: Not reported
Coordinate Source: State
X Coord: -158.023821
Y Coord: 21.4981280000001
Latitude: 21.498128
Longitude: -158.023821

UST FINDER:
Object ID: 399605
Facility ID: HI9-201228
Tank ID: HI9-201228R-4
Tank Status: Closed
Installation Date: 1983/08/01 16:00:00+00
Removal Date: Not reported
Tank Capacity: 1000
Substances: Used Oil
Tank Wall Type: Not reported

Object ID: 399606
Facility ID: HI9-201228
Tank ID: HI9-201228R-87
Tank Status: Closed
Installation Date: 1983/08/01 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 399607
Facility ID: HI9-201228
Tank ID: HI9-201228R-89
Tank Status: Closed
Installation Date: 1983/08/01 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

Object ID: 399608
Facility ID: HI9-201228
Tank ID: HI9-201228R-92
Tank Status: Closed
Installation Date: 1983/08/01 16:00:00+00
Removal Date: Not reported
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Not reported

UST FINDER RELEASE:
Object ID: 145226
Facility ID: HI9-201228
Lust ID: HI070022

WAHIAWA CHEVRON SS (Continued) **1028283236**

Name:	WAHIAWA CHEVRON SS
Address:	1011 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	2355
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0240043
Y Coord:	21.4982458600001
Latitude:	21.49824586
Longitude:	-158.0240043

O62 **WAHIAWA CHEVRON SS** **SHWS** **U003222022**
NE **1011 CALIFORNIA AVE** **LUST** **N/A**
1/4-1/2 **WAHIAWA, HI 96786** **UST**
0.410 mi. **SWRCY**
2164 ft. **Site 2 of 3 in cluster O** **Financial Assurance**

Relative:
Higher

Actual:
929 ft.

SHWS:

IHEER ID:	1035
Name:	HOISTS AND SAND-AND-GREASE TRAP REMOVAL
Address:	1011 CALIFORNIA AVE
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	1011 California Ave
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported

WAHIAWA CHEVRON SS (Continued) **U003222022**

Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	05/30/2019
Status name:	NFA
Aliases:	Wahiawa Chevron Service
Tax Map Keys:	174012005;
Latitude:	21.498
Longitude:	-158.024

SHWS:

IHEER ID:	1035
Document Type:	No Further Action Determination Letter
Document Title:	No Further Action Determination For Release Id 20040825-0808
Document Date:	Apr 28, 2005
Document Number:	32383

IHEER ID:	1035
Document Type:	Undetermined
Document Title:	Hydraulic Hoist And Sand-And-Grease Trap Closure Report
Document Date:	Apr 12, 2005
Document Number:	32382

IHEER ID:	1035
Document Type:	Site Characterization Report
Document Title:	Hydraulic Hoist And Sand-And-Grease Trap Closure Report Wahiawa Chevron Service Station 1011 California Ave, Wahiawa, Oahu Hi, Doh Facility Id 9-201128, Leak No 20040825-0808 Chevron Facility Id 9-3719
Document Date:	Apr 12, 2005
Document Number:	32384

LUST:

Name:	WAHIAWA CHEVRON SS
Address:	1011 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201228
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	12/07/2005
Release ID:	040031
Project Officer:	Darren Park

Name:	WAHIAWA CHEVRON SS
Address:	1011 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201228
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	07/24/2007

WAHIAWA CHEVRON SS (Continued) **U003222022**

Release ID: 070022
Project Officer: Darren Park

Name: WAHIAWA CHEVRON SS
Address: 1011 CALIFORNIA AVE
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-201228
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 10/20/1997
Release ID: 970044
Project Officer: Darren Park

UST:
Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Facility ID: 9-201228
Owner: WESLEY AIHARA
Owner Address: 1011 CALIFORNIA AVE
Owner City,St,Zip: Wahiawa, 96786 96786
Latitude: 21.498128
Longitude: -158.023821
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: GPS

Tank ID: R-4
Date Installed: 08/01/1983
Tank Status: **Permanently Out of Use**
Date Closed: 02/05/1997
Tank Capacity: 1000
Substance: Used Oil

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-87
Date Installed: 08/01/1983
Tank Status: **Permanently out of Use**
Date Closed: 05/01/2007
Tank Capacity: 10000
Substance: Gasoline

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786

Tank ID: R-89
Date Installed: 08/01/1983
Tank Status: **Permanently out of Use**
Date Closed: 05/01/2007
Tank Capacity: 10000
Substance: Gasoline

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786

WAHIAWA CHEVRON SS (Continued) **U003222022**

Tank ID: R-92
Date Installed: 08/01/1983
Tank Status: **Permanently out of Use**
Date Closed: 05/01/2007
Tank Capacity: 10000
Substance: Gasoline

SWRCY:
Permit Number: RY-0011-18
Name: REYNOLDS RECYCLING - WAHIAWA CALIFORNIA AVE. TRAILER
Address: 1011 CALIFORNIA AVE.
City,State,Zip: WAHIAWA, HI
Materials: dbc
Island: Oahu
TMK: 740120050000
Closure Date: Not reported
Type: Not reported
Status: Not reported
Acreage: Not reported
Latitude: 21.498036616
Longitude: -158.02369114

Permit Number: RY-0011-18
Name: REYNOLDS RECYCLING, INC.
Address: 1011 CALIFORNIA AVENUE
City,State,Zip: WAHIAWA, HI
Materials: DBC, ADF glass, select nonferrous scrap metals
Island: Oahu
TMK: 740120050000
Closure Date: Not reported
Type: Not reported
Status: Not reported
Acreage: Not reported
Latitude: 21.498036616
Longitude: -158.02369114

HI Financial Assurance:
Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-89
Tank Status: Permanently out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-92
Tank Status: Permanently out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

WAHIAWA CHEVRON SS (Continued) **U003222022**

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-89
Tank Status: Permanently out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-87
Tank Status: Permanently out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-4
Tank Status: Permanently Out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-4
Tank Status: Permanently Out of Use
FRTYPE: Self Insured
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-92
Tank Status: Permanently out of Use
FRTYPE: Other
Expiration Date: Not reported
FR Archive: False

Name: WAHIAWA CHEVRON SS
Address: 1011 California Ave
City,State,Zip: WAHIAWA, HI 96786
Alt Facility ID: 9-201228
Tank Id: R-87
Tank Status: Permanently out of Use
FRTYPE: Self Insured

WAHIAWA CHEVRON SS (Continued) **U003222022**

Expiration Date: Not reported
FR Archive: False

O63 **WAHIAWA ADC PROJECT** **SHWS S128196156**
NE **1001 CALIFORNIA AVE** **SPILLS N/A**
1/4-1/2 **WAHIAWA, HI 96786**
0.412 mi.
2173 ft. **Site 3 of 3 in cluster O**

Relative:
Higher

Actual:
930 ft.

SHWS:

IHEER ID:	2853
Name:	WAHIAWA ADC PROJECT
Address:	1001 CALIFORNIA AVE
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Melody Calisay
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	1001 CALIFORNIA AVE
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	11/04/2021
Status name:	ASSESSMENT
Aliases:	Brownfields Unranked Site
Tax Map Keys:	174012016;
Latitude:	21.497808
Longitude:	-158.02418

SHWS:

IHEER ID:	2853
Document Type:	Site Inspection Work Plan
Document Title:	Wahiawa Adc Project 1001 California Avenue Environmental Site Investigation Summary
Document Date:	Not reported
Document Number:	171540

IHEER ID:	2853
Document Type:	Phase II Environmental Site Assessment
Document Title:	Sap Adc
Document Date:	Oct 9, 2020

WAHIAWA ADC PROJECT (Continued) **S128196156**

Document Number: 177401

IHEER ID: 2853
Document Type: Phase II Environmental Site Assessment
Document Title: Sap Adc -Epermit Filing
Document Date: Oct 9, 2020
Document Number: 177400

IHEER ID: 2853
Document Type: Phase I Environmental Site Assessment
Document Title: Phase I Environmental Site Assessment Hic101 Wahiawa Central 1001 California Avenue Honolulu County Wahiawa, Hawaii 96786
Document Date: Aug 13, 2014
Document Number: 171541

SPILLS:
Name: PETROLEUM IMPACTED SOIL
Address: 1001 CALIFORNIA AVENUE
Address 2: Not reported
City,State,Zip: WAHIAWA, HI
Island: Not reported
Supplemental Loc. Text: Not reported
Case Number: 20190830-1006
Facility Registry ID: Not reported
HID Number: Not reported
Lead and Program: Not reported
ER: Not reported
Less Or Greater Than: Not reported
Units: Not reported
Activity Type: Not reported
Activity Lead: Not reported
Assignment End Date: Not reported
Result: Referred
File Under: Not reported
Substances: Not reported
Quanity: Not reported
Units: Not reported
Reported Date: 2019-08-30
Release Date: Not reported
Release Duration: Not reported
Media: Gasoline
Waterbody: Not reported
Summary: Odor and visual report of gasoline petroleum impacted soil. Core sampling down to 15 ft conducted. Groundwater is approximately 45 feet deep below ground surface. Location is reported to be former Standard Oil siting along a railroad track where fuel was offloaded and transferred. Standard Oil had 4 ASTs, each with 19,000 gallon capacity and operated until 1974.

Is Noteworthy for Reports: Not reported
Is the Release a Fugitive Dumping: Not reported
Tax Map Key: Not reported
Assigned SOSC: Not reported
Notified Agencies: Not reported
Response Measures Taken: Not reported
Incident Report Number: Not reported

WAHIAWA ADC PROJECT (Continued) **S128196156**

Coordination Needed:	Not reported
Tier II Facility:	Not reported
RMP:	Not reported
Follow-up Received On:	Not reported
Cost Recovery:	Not reported
Invoice To:	Not reported
Closed Date:	Not reported
Comments:	Not reported
Latitude:	Not reported
Longitude:	Not reported

P64 **WAHIAWA CORPORATION YARD** **LUST U003221948**
West **141 CALIFORNIA AVE** **UST N/A**
1/4-1/2 **SCHOFIELD BARRACKS, HI 96786**
0.486 mi.
2566 ft. **Site 1 of 3 in cluster P**

Relative:
Lower

Actual:
864 ft.

LUST:

Name:	WAHIAWA CORPORATION YARD
Address:	141 CALIFORNIA AVE
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Facility ID:	9-200120
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	12/21/1993
Release ID:	930100
Project Officer:	Eric Sadoyama

UST:

Name:	WAHIAWA CORPORATION YARD
Address:	141 California Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Facility ID:	9-200120
Owner:	C&C OF HNL - BOARD OF WATER SUPPLY
Owner Address:	630 S BERETANIA ST
Owner City,St,Zip:	Schofield Barracks, 96786 96786
Latitude:	21.493456
Longitude:	-158.035625
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching

Tank ID:	R-001
Date Installed:	12/30/1977
Tank Status:	**Permanently Out of Use**
Date Closed:	06/30/1993
Tank Capacity:	1800
Substance:	Gasoline

Name:	WAHIAWA CORPORATION YARD
Address:	141 California Ave
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786

Tank ID:	R-002
Date Installed:	12/30/1977
Tank Status:	**Permanently Out of Use**
Date Closed:	06/30/1993
Tank Capacity:	1800
Substance:	Diesel

P65 **WAHIAWA CORPORATION YARD** **UST FINDER** **1028283012**
West **141 CALIFORNIA AVE** **UST FINDER RELEASE** **N/A**
1/4-1/2 **SCHOFIELD BARRACKS, HI 96786**
0.486 mi.
2566 ft. **Site 2 of 3 in cluster P**

Relative:
Lower

Actual:
864 ft.

UST FINDER:

Object ID:	108860
Facility ID:	HI9-200120
Name:	WAHIAWA CORPORATION YARD
Address:	141 CALIFORNIA AVE
City,State,Zip:	SCHOFIELD BARRACKS, HI 96786
Address Match Type:	Not reported
Open USTs:	0
Closed USTs:	2
TOS USTs:	0
Population 1500ft:	2477
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not reported
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_1480
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	9
Tribe:	Not reported
Coordinate Source:	State
X Coord:	-158.035625
Y Coord:	21.493456
Latitude:	21.493456
Longitude:	-158.035625

UST FINDER:

Object ID:	400406
Facility ID:	HI9-200120
Tank ID:	HI9-200120R-001
Tank Status:	Closed
Installation Date:	1977/12/30 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	1800
Substances:	Gasoline
Tank Wall Type:	Not reported

Object ID:	400407
Facility ID:	HI9-200120
Tank ID:	HI9-200120R-002
Tank Status:	Closed
Installation Date:	1977/12/30 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	1800
Substances:	Diesel
Tank Wall Type:	Not reported

WAHIAWA CORPORATION YARD (Continued) **1028283012**

UST FINDER RELEASE:

Object ID:	145351
Facility ID:	HI9-200120
Lust ID:	HI930100
Name:	WAHIAWA CORPORATION YARD
Address:	141 CALIFORNIA AVE
City,State,Zip:	SCHOFIELD BARRACKS, HI 0
Address Match Type:	PointAddress
Reported Date:	Not reported
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	2529
Domestic Wells within 1500ft:	0
Land Use:	Not reported
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_1480
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not reported
Tribe:	Not reported
EPA Region:	9
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	Geocode
X Coord:	-158.0354924
Y Coord:	21.49358834
Latitude:	21.4935883399999
Longitude:	-158.0354924

---

66 **ARMY MFH WHEELER AAF WILIKINA** **SHWS** **S126282268**
SW **N/A**
1/2-1 **WHEELER AAF, HI 96854**
0.517 mi.
2728 ft.

Relative:
Lower

Actual:
853 ft.

SHWS:

IHEER ID:	1145
Name:	ARMY MFH WHEELER AAF WILIKINA
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	WHEELER AAF, HI 96854
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Eric Sadoyama
Hazard Priority:	Unranked

ARMY MFH WHEELER AAF WILIKINA (Continued) **S126282268**

Facility Registry Identifier:	Not reported
Location Description:	Wheeler AAF
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	09/23/2021
Status name:	NFA
Aliases:	Army MFH WAAF Wilikina; Army Military Family Housing Wheeler Army Airfield
Tax Map Keys:	177001001;
Latitude:	21.487933
Longitude:	-158.034138

SHWS:

IHEER ID:	1145
Document Type:	Environmental Hazard Management Plan
Document Title:	Pesticide-Impacted Soil Investigation And Management Program Manual (Mar 2011)
Document Date:	Mar 17, 2011
Document Number:	129352

IHEER ID:	1145
Document Type:	No Further Action Determination Letter
Document Title:	No Further Action Determination For Army Mfh Waaf Wilikina
Document Date:	Oct 2, 2009
Document Number:	129351

IHEER ID:	1145
Document Type:	Undetermined
Document Title:	Summary Of Findings Report, Proposed Wilikina Community Center Site, Wheeler Aaf, Oahu Hi
Document Date:	Jul 10, 2008
Document Number:	29399

P67 **KAALA ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS** **SHWS** **S126282736**
West **130 CALIFORNIA AVE** **N/A**
1/2-1 **WAHIAWA, HI 96786**
0.538 mi.
2843 ft. **Site 3 of 3 in cluster P**

Relative:
Lower

Actual:
864 ft.

SHWS:

IHEER ID:	2903
Name:	KAALA ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS
Address:	130 CALIFORNIA AVE
Address 2:	Not reported

KAALA ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS (Continued) **S126282736**

City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Eric Sadoyama
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	130 California Ave, Wahiawa, HI 96786, USA
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	11/10/2021
Status name:	ASSESSMENT
Aliases:	DOE Oahu Elementary Schools Building Exterior Soils
Tax Map Keys:	173019013;
Latitude:	21.494285
Longitude:	-158.036609

68
NNE
1/2-1
0.545 mi.
2876 ft.

DEL MONTE WAHIAWA PESTICIDE MIXING AREA **SHWS** **S121405868**
310 N CANE ST **N/A**
WAHIAWA, HI 96786

Relative:
Higher

Actual:
909 ft.

SHWS:

IHEER ID:	2435
Name:	DEL MONTE WAHIAWA PESTICIDE MIXING AREA
Address:	310 N CANE ST
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Laura Young
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	310 N Cane St, Wahiawa, HI 96786
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported

DEL MONTE WAHIAWA PESTICIDE MIXING AREA (Continued) **S121405868**

Use Restrictions:	Not reported
Program:	PA/SI
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	09/13/2021
Status name:	REMEDY SELECTED
Aliases:	Brownfields Low Priority Site; Del Monte Wahiawa Pesticide Mixing Area (PMA)
Tax Map Keys:	174007014;
Latitude:	21.501481
Longitude:	-158.025415

SHWS:

IHEER ID:	2435
Document Type:	SOO Site Screening Sheet
Document Title:	Del Monte Wahiawa Pesticide Mixing Area
Document Date:	May 24, 2018
Document Number:	182301

69
East
1/2-1
0.601 mi.
3172 ft.

HAWAIIAN MEDICAL DEPOT **FUDS** **1024901959**
N/A

WAHIAWA, HI

Relative:
Higher

Actual:
890 ft.

FUDS:

EPA Region:	09
Installation ID:	HI99799F385300
Congressional District Number:	2
Name:	HAWAIIAN MEDICAL DEPOT
FUDS Number:	H09HI0113
City:	WAHIAWA
State:	HI
County:	HONOLULU
Object ID:	5359
USACE Division:	pod
USACE District:	poh
Status:	Properties without projects
Current Owner:	STATE: STATE State of Hawaii

EMS Map Link:

Eligibility:	Eligible
Has Projects:	no
NPL Status:	Not on the NPL
Project Required:	no
Feature Description:	The Sie Was Originally Acquired On July 20, 19899 And Was Developed Into Schofield Barracks Military Reservation In Early 1900'S. The Hawaiian Medical Depot Was A Portion Of The 13th Replacement D Epot Which Served As A Training Trasnfer Depot For Troops Prior To Deployment Overseas. On July 21, 1960, The Site Was Transferred To The State Of Hawaii By Quitclaim.

HAWAIIAN MEDICAL DEPOT (Continued) **1024901959**

Latitude: 21.49333333
Longitude: -158.0183333

---

70 SSW 1/2-1 0.623 mi. 3288 ft. **WHEELER AAF SD05 AIRCRAFT PARKING AREA** **SHWS** **S126283255 N/A**

WHEELER AAF, HI 96854

Relative: Lower

Actual: 837 ft.

SHWS:

IHEER ID:	1717
Name:	WHEELER AAF SD05 AIRCRAFT PARKING AREA
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	WHEELER AAF, HI 96854
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Not reported
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	DOD-IRP
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	02/10/2020
Status name:	REMEDY SELECTED
Aliases:	Wheeler AA SD05; Wheeler AAF SD05; Wheeler Army Airfield
Tax Map Keys:	None found;
Latitude:	21.484857
Longitude:	-158.032472

SHWS:

IHEER ID:	1717
Document Type:	Review Letter
Document Title:	No Further Response Action Planned Decision Documents For Installation Restoration Program (Irp) Sites Sd05, Sd06, Wp07, And Wp08, Wheeler Aaf, Oahu Hi, Request For Signature
Document Date:	Jun 30, 2000
Document Number:	153581

IHEER ID:	1717
Document Type:	Undetermined
Document Title:	Final Work Plan, Site Closure For Sites Sd05, Sd06, Wp07, And Wp08,

WHEELER AAF SD05 AIRCRAFT PARKING AREA (Continued) **S126283255**

Wheeler Aaf, Oahu Hi
Document Date: Mar 16, 2000
Document Number: 153587

IHEER ID: 1717
Document Type: Undetermined
Document Title: Final Work Plan, Site Closure For Sites Sd05, Sd06, Wp07, And Wp08, Wheeler Aaf, Oahu Hi
Document Date: Mar 16, 2000
Document Number: 153586

IHEER ID: 1717
Document Type: Comment Letter
Document Title: Review Of The Draft Work Plan, Site Closure For Sites Sd05, Sd06, Wp07, And Wp08, Wheeler Aaf, Oahu Hi, Nov 2, 1999
Document Date: Dec 7, 1999
Document Number: 153582

IHEER ID: 1717
Document Type: Undetermined
Document Title: Draft Work Plan, Site Closure For Sites Sd05, Sd06, Wp07, And Wp08 At Wheeler Aaf, Wheeler Aaf, Oahu Hi
Document Date: Nov 2, 1999
Document Number: 153584

IHEER ID: 1717
Document Type: Undetermined
Document Title: Draft Work Plan, Site Closure For Sites Sd05, Sd06, Wp07, And Wp08 At Wheeler Aaf, Wheeler Aaf, Oahu Hi
Document Date: Nov 2, 1999
Document Number: 153585

IHEER ID: 1717
Document Type: Undetermined
Document Title: Risk Screening Evaluations - Subset For Review By Restoration Advisory Board For Bellows Afs, Hickam Afb, Kaala Afs, Kaena Point Sts, Kokee Afs, Palehua Solar Observatory, Punamano Afs, Wake Island Airfield And Wheeler Aaf
Document Date: May 31, 1995
Document Number: 153580

IHEER ID: 1717
Document Type: Decision Document
Document Title: 15th Air Base Wing No Further Action Decision Documents For Four Wheeler Afb Sites
Document Date: Oct 1, 1991
Document Number: 153583

IHEER ID: 1717
Document Type: Decision Document
Document Title: 15th Air Base Wing, Irp, No Further Action Decision Document, Record Of Decision, Four Sites, Wheeler Afb, Oahu Hi
Document Date: Oct 31, 1990
Document Number: 153579

Q71 **SCHOFIELD BARRACKS, SITE ER-7A** **SHWS** **S110061809**
SSE **N/A**
1/2-1 **SCHOFIELD BARRACKS, HI 96857**
0.671 mi.
3542 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**

Actual: **846 ft.**

SHWS:

IHEER ID:	1683
Name:	SCHOFIELD BARRACKS, SITE ER-7A
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	SCHOFIELD BARRACKS, HI 96857
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Not reported
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	DOD-MMRP
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	05/30/2019
Status name:	ASSESSMENT
Aliases:	Schofield Barracks
Tax Map Keys:	None found;
Latitude:	21.483555
Longitude:	-158.025455

SHWS:

IHEER ID:	1683
Document Type:	Concurrence Letter
Document Title:	Concurrence With Findings Of The Decision Documents
Document Date:	Jun 14, 2012
Document Number:	115165

IHEER ID:	1683
Document Type:	Remedial Investigation Report
Document Title:	Final Remedial Investigation Report Schofield Barracks Hawaii Phase Ii Mmrp, Oahu Hi, Jul 2011
Document Date:	Aug 22, 2011
Document Number:	115161

IHEER ID:	1683
Document Type:	Undetermined
Document Title:	Final Remedial Investigation Report Schofield Barracks Hawaii Phase Ii

SCHOFIELD BARRACKS, SITE ER-7A (Continued) **S110061809**

Mmrp, Oahu Hi, Jul 2011
Document Date: Aug 22, 2011
Document Number: 115273

IHEER ID: 1683
Document Type: Concurrence Letter
Document Title: Concurrence With Technical Project Planning Meeting Minutes, Jun 16th, 2011
Document Date: Jul 19, 2011
Document Number: 115160

IHEER ID: 1683
Document Type: Remedial Investigation Report
Document Title: Draft Remedial Investigation Report Schofield Barracks Hawaii Phase Ii, Mmrp, Oahu Hi, May 2011
Document Date: May 19, 2011
Document Number: 115170

IHEER ID: 1683
Document Type: Undetermined
Document Title: Draft Remedial Investigation Report Schofield Barracks Hawaii Phase Ii, Mmrp, Oahu Hi, May 2011
Document Date: May 19, 2011
Document Number: 115174

IHEER ID: 1683
Document Type: Remedial Investigation Report
Document Title: Draft Remedial Investigation Report Schofield Barracks Hawaii Phase Ii, Mmrp, Oahu Hi, May 2011
Document Date: May 19, 2011
Document Number: 115173

IHEER ID: 1683
Document Type: Remedial Investigation Work Plan
Document Title: Final Work Plan For Schofield Barracks In Accordance With Contract Requirements For Environmental Remediation Services At Twelve (12) Mmrp Sites
Document Date: Jul 23, 2010
Document Number: 115259

IHEER ID: 1683
Document Type: Remedial Investigation Work Plan
Document Title: Final Remedial Investigation Work Plan Schofield Barracks, Hawaii Phase Ii Mmrp Compliance Related Cleanup, Oahu Hi, Jul 2010
Document Date: Jul 1, 2010
Document Number: 115260

IHEER ID: 1683
Document Type: Remedial Investigation Work Plan
Document Title: Draft Work Plan Schofield Barracks Hawaii Phase Ii Mmrp Compliance Related Cleanup, Oahu Hi, May 2010
Document Date: May 28, 2010
Document Number: 115158

IHEER ID: 1683
Document Type: Undetermined
Document Title: Draft Work Plan Schofield Barracks Hawaii Phase Ii Mmrp Compliance

SCHOFIELD BARRACKS, SITE ER-7A (Continued) **S110061809**

Related Cleanup, Oahu Hi, May 2010
Document Date: May 28, 2010
Document Number: 115157

IHEER ID: 1683
Document Type: Site Inspection Report
Document Title: Final Site Inspection Report Schofield Barracks Military Reservation, Oahu Hi
Document Date: May 1, 2008
Document Number: 115261

IHEER ID: 1683
Document Type: Site Inspection Report
Document Title: Final Site Inspection Report Schofield Barracks Military Reservation, Oahu Hi
Document Date: May 1, 2008
Document Number: 115262

IHEER ID: 1683
Document Type: Comment Letter
Document Title: Doh Comments On The Final Si Work Plan By Referring To Prior Doh Comments On The Draft Si Work Plan Because Of Insufficient Review Time. The Final Document Was Submitted On Friday, Apr 20, 2007, And The Si Field Work Begun On The Week Of Apr 23, 2007
Document Date: Jun 15, 2007
Document Number: 115171

IHEER ID: 1683
Document Type: Site Inspection Work Plan
Document Title: Gsa Schedule Gs-10f-0168j, Delivery Order No W91238-06-F-0042, Transmittal Of Final Site Inspection Workplan For Fort Shafter, Makua Military Reservation, Schofield Barracks Military Reservation, Waikakalaua Ammunition Storage
Document Date: Apr 18, 2007
Document Number: 115270

IHEER ID: 1683
Document Type: Site Inspection Work Plan
Document Title: Gsa Schedule Gs-10f-0168j, Delivery Order No W91238-06-F-0042, Transmittal Of Final Site Inspection Workplan For Fort Shafter, Makua Military Reservation, Schofield Barracks Military Reservation, Waikakalaua Ammunition Storage
Document Date: Apr 18, 2007
Document Number: 115269

IHEER ID: 1683
Document Type: Site Inspection Work Plan
Document Title: Gsa Schedule Gs-10f-0168j, Delivery Order No W91238-06-F-0042, Transmittal Of Final Site Inspection Workplan For Fort Shafter, Makua Military Reservation, Schofield Barracks Military Reservation, Waikakalaua Ammunition Storage
Document Date: Apr 18, 2007
Document Number: 115271

IHEER ID: 1683
Document Type: Comment Letter
Document Title: Doh Provides Additional Comments On The Draft Si Work Plan Mmrp For

SCHOFIELD BARRACKS, SITE ER-7A (Continued) **S110061809**

	Fort Shafter, Makua Military Reservation, Schofield Barracks Military Reservation, Waikakalaua Ammunition Storage Tunnels, And Wheeler Aaf, Oahu Hi
Document Date:	Mar 28, 2007
Document Number:	115162
IHEER ID:	1683
Document Type:	Comment Letter
Document Title:	Doh Provides Additional Comments On The Draft Si Work Plan Mmrp For Fort Shafter, Makua Military Reservation, Schofield Barracks Military Reservation, Waikakalaua Ammunition Storage Tunnels, And Wheeler Aaf, Oahu Hi
Document Date:	Mar 28, 2007
Document Number:	115163
IHEER ID:	1683
Document Type:	Comment Letter
Document Title:	Doh Comments On The Draft Si Work Plan Mmrp For Fort Shafter, Makua Military Reservation, Schofield Barracks Military Reservation, Waikakalaua Ammunition Storage Tunnels, And Wheeler Aaf, Oahu Hi
Document Date:	Mar 8, 2007
Document Number:	115168

---

72 SW 1/2-1 0.678 mi. 3582 ft. **WHEELER AAF HEATING FUEL UST 600-1** **SHWS** **S126283251 N/A**

WAHIAWA, HI

Relative: Lower

Actual: 851 ft.

SHWS:

IHEER ID:	2274
Name:	WHEELER AAF HEATING FUEL UST 600-1
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Not reported
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	DOD-IRP
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported

WHEELER AAF HEATING FUEL UST 600-1 (Continued) **S126283251**

Institutional Control:	Not reported
Is Public:	Not reported
Update On:	02/10/2020
Status name:	NFA - UNCONFIRMED
Aliases:	Wheeler Army Airfield; Wheeler Army Airfield, Heating Fuel UST #600-1
Tax Map Keys:	None found;
Latitude:	21.48599
Longitude:	-158.035624

SHWS:

IHEER ID:	2274
Document Type:	Undetermined
Document Title:	Environmental Sciences-Pacific Inc, Ust Closure Report, Building 600 Heating Fuel Ust #600-1, Wheeler Aaf, Hawaii
Document Date:	Dec 20, 1995
Document Number:	112440

Q73 **ER-7A** **UXO** **1024717367**
SSE **APVG-GWV** **N/A**
1/2-1 **SCHOFIELD BARRACKS, HI**
0.713 mi.
3765 ft. **Site 2 of 2 in cluster Q**

Relative: **Lower**
Actual: **846 ft.**

UXO:

DoD Component:	Army
Installation Name:	SCHOFIELD BARRACKS
Name:	ER-7A
Address:	APVG-GWV
Address 2:	Not reported
City,State,Zip:	SCHOFIELD BARRACKS, HI
Site ID:	SCHBR-008-R-01
Site Type:	Small Arms Range
Latitude:	21.483017
Longitude:	-158.025075

---

74 **WHEELER ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS** **SHWS** **S126283268**
WSW **1 WHEELER ARMY AIRFIELD** **N/A**
1/2-1 **WAHIAWA, HI 96786**
0.823 mi.
4347 ft.

Relative: **Higher**
Actual: **872 ft.**

SHWS:

IHEER ID:	2952
Name:	WHEELER ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS
Address:	1 WHEELER ARMY AIRFIELD
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Eric Sadoyama
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	1 Wheeler Army Airfield, Wahiawa, HI 96786, USA

WHEELER ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS (Continued) **S126283268**

Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	State
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	11/10/2021
Status name:	ASSESSMENT
Aliases:	DOE Oahu Elementary Schools Building Exterior Soils
Tax Map Keys:	177001002;
Latitude:	21.486948
Longitude:	-158.039232

75
SW
1/2-1
0.882 mi.
4658 ft.

WHEELER AAF UST 800-3 **SHWS** **S128196147**
SANTOS DUMONT AVE **N/A**
WAHIAWA, HI

Relative:
Lower

Actual:
845 ft.

SHWS:

IHEER ID:	2787
Name:	WHEELER AAF UST 800-3
Address:	SANTOS DUMONT AVE
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Santos Dumont Ave
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	DOD-IRP
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported

WHEELER AAF UST 800-3 (Continued) **S128196147**

Update On:	01/12/2021
Status name:	NFA - UNCONFIRMED
Aliases:	Wheeler AAF Building 800; Wheeler Army Airfield; Wheeler Army Airfield, Tank Site 800-3
Tax Map Keys:	177001001;
Latitude:	21.483697
Longitude:	-158.037649

SHWS:

IHEER ID:	2787
Document Type:	Undetermined
Document Title:	Removal Of Underground Fuel Storage Tanks, Various U.S. Army Facilities, Hi, Wheeler Aaf, Final Closure Report, Tank Site 800-3
Document Date:	Nov 25, 1994
Document Number:	112447

R76 **WHEELER AAF UST 114-1** **SHWS** **S126283263**
SW **N/A**
1/2-1 **WAHIAWA, HI**
0.956 mi.
5046 ft. **Site 1 of 2 in cluster R**

Relative: **Lower**

Actual: **840 ft.**

SHWS:

IHEER ID:	2786
Name:	WHEELER AAF UST 114-1
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	WAHIAWA, HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Not reported
Supplemental Location:	Not reported
Potential Hazards And Controls:	Not reported
Assessment:	Not reported
Nature of Contamination:	Not reported
Nature of Residual Contamination:	Not reported
Use Restrictions:	Not reported
Program:	DOD-IRP
Description of Restrictions:	Not reported
Action Completion Date:	Not reported
Within Designated Areawide Contamination	Not reported
Response:	Not reported
Contact Information:	Not reported
Engineering Control:	Not reported
Institutional Control:	Not reported
Is Public:	Not reported
Update On:	02/10/2020
Status name:	NFA - UNCONFIRMED
Aliases:	Wheeler Army Airfield; Wheeler Army Airfield, Tank Site 114-1
Tax Map Keys:	177001001;
Latitude:	21.483185

WHEELER AAF UST 114-1 (Continued) **S126283263**

Longitude: -158.038719

SHWS:
IHEER ID: 2786
Document Type: Undetermined
Document Title: Removal Of Underground Fuel Storage Tanks, Various U.S. Army Facilities, Hi, Wheeler Aaf, Final Closure Report, Tank Site 114-1
Document Date: Nov 21, 1994
Document Number: 112446

R77 **WHEELER AAF HEATING FUEL UST 118-1** **SHWS** **S126283250**
SW **N/A**
1/2-1 **WAHIAWA, HI**
0.958 mi.
5056 ft. **Site 2 of 2 in cluster R**

Relative: **Lower**
Actual: **842 ft.**

SHWS:
IHEER ID: 2273
Name: WHEELER AAF HEATING FUEL UST 118-1
Address: Not reported
Address 2: Not reported
City,State,Zip: WAHIAWA, HI
Zip 2: Not reported
Lead Agency: HEER Office
HID Number: Not reported
Island: Oahu
Environmental Interest: Not reported
Project Manager: Not reported
Hazard Priority: Unranked
Facility Registry Identifier: Not reported
Location Description: Not reported
Supplemental Location: Not reported
Potential Hazards And Controls: Not reported
Assessment: Not reported
Nature of Contamination: Not reported
Nature of Residual Contamination: Not reported
Use Restrictions: Not reported
Program: DOD-IRP
Description of Restrictions: Not reported
Action Completion Date: Not reported
Within Designated Areawide Contamination: Not reported
Response: Not reported
Contact Information: Not reported
Engineering Control: Not reported
Institutional Control: Not reported
Is Public: Not reported
Update On: 02/10/2020
Status name: NFA - UNCONFIRMED
Aliases: Wheeler Army Airfield; Wheeler Army Airfield, Heating Fuel UST #118-1
Tax Map Keys: None found;
Latitude: 21.483594
Longitude: -158.039178

SHWS:
IHEER ID: 2273
Document Type: Undetermined
Document Title: Environmental Sciences-Pacific Inc, Ust Closure Report, Building 118 Heating Fuel #118-1, Wheeler Aaf, Hawaii

WHEELER AAF HEATING FUEL UST 118-1 (Continued) **S126283250**

Document Date: Dec 15, 1995
Document Number: 112439

78
SW
1/2-1
0.991 mi.
5230 ft.

ARMY MFH WHEELER AAF KUNIA **SHWS** **S126282265**
N/A

WHEELER AAF, HI 96854

Relative:
Lower

Actual:
864 ft.

SHWS:
IHEER ID: 1142
Name: ARMY MFH WHEELER AAF KUNIA
Address: Not reported
Address 2: Not reported
City,State,Zip: WHEELER AAF, HI 96854
Zip 2: Not reported
Lead Agency: HEER Office
HID Number: Not reported
Island: Oahu
Environmental Interest: Not reported
Project Manager: Eric Sadoyama
Hazard Priority: Unranked
Facility Registry Identifier: Not reported
Location Description: Not reported
Supplemental Location: Not reported
Potential Hazards And Controls: Not reported
Assessment: Not reported
Nature of Contamination: Not reported
Nature of Residual Contamination: Not reported
Use Restrictions: Not reported
Program: State
Description of Restrictions: Not reported
Action Completion Date: Not reported
Within Designated Areawide Contamination: Not reported
Response: Not reported
Contact Information: Not reported
Engineering Control: Not reported
Institutional Control: Not reported
Is Public: Not reported
Update On: 04/09/2020
Status name: REMEDY IN PLACE
Aliases: Army MFH WAAF Kunia; Army Military Family Housing Wheeler Army Airfield
Tax Map Keys: 177001001;
Latitude: 21.485
Longitude: -158.041

SHWS:
IHEER ID: 1142
Document Type: Environmental Hazard Management Plan
Document Title: Pesticide-Impacted Soil Investigation And Management Program Manual (Mar 2011)
Document Date: Mar 17, 2011
Document Number: 129348

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/19/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/19/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/19/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/20/2024
Date Data Arrived at EDR: 12/18/2024
Date Made Active in Reports: 12/20/2024
Number of Days to Update: 2

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/19/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/19/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 19

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/11/2024
Date Data Arrived at EDR: 11/25/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 85

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/04/2025
Next Scheduled EDR Contact: 05/19/2025
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/04/2024
Date Data Arrived at EDR: 11/15/2024
Date Made Active in Reports: 02/11/2025
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/18/2025
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/04/2024
Date Data Arrived at EDR: 11/15/2024
Date Made Active in Reports: 02/11/2025
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/18/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/03/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 69

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Sites List

Facilities, sites or areas in which the Office of Hazard Evaluation and Emergency Response has an interest, has investigated or may investigate under HRS 128D (includes CERCLIS sites).

Date of Government Version: 03/06/2024
Date Data Arrived at EDR: 03/07/2024
Date Made Active in Reports: 03/12/2024
Number of Days to Update: 5

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Semi-Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Permitted Landfills in the State of Hawaii

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/10/2024
Date Data Arrived at EDR: 12/19/2024
Date Made Active in Reports: 03/11/2025
Number of Days to Update: 82

Source: Department of Health
Telephone: 808-586-4245
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/20/2025
Date Made Active in Reports: 03/04/2025
Number of Days to Update: 12

Source: Department of Health
Telephone: 808-586-4228
Last EDR Contact: 02/18/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Semi-Annually

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/16/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/12/2024
Date Data Arrived at EDR: 10/30/2024
Date Made Active in Reports: 01/14/2025
Number of Days to Update: 76

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/20/2025
Date Made Active in Reports: 03/04/2025
Number of Days to Update: 12

Source: Department of Health
Telephone: 808-586-4228
Last EDR Contact: 02/18/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/08/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/15/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Control Sites

A listing of sites with engineering controls in place.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Department of Health
Telephone: 404-586-4249
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

VCP: Voluntary Response Program Sites
Sites participating in the Voluntary Response Program. The purpose of the VRP is to streamline the cleanup process in a way that will encourage prospective developers, lenders, and purchasers to voluntarily cleanup properties.

Date of Government Version: 03/06/2024
Date Data Arrived at EDR: 03/07/2024
Date Made Active in Reports: 03/12/2024
Number of Days to Update: 5
Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Sites
With certain legal exclusions and additions, the term ‘brownfield site’ means real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 03/06/2024
Date Data Arrived at EDR: 03/07/2024
Date Made Active in Reports: 03/12/2024
Number of Days to Update: 5
Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/09/2024
Date Data Arrived at EDR: 09/11/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 86
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Solid Waste Recycling Information
A listing of recycling and drop-off facilities located in Hawaii.

Date of Government Version: 12/10/2024
Date Data Arrived at EDR: 12/19/2024
Date Made Active in Reports: 03/11/2025
Number of Days to Update: 82
Source: Department of Health
Telephone: 808-586-4226
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/16/2025
Next Scheduled EDR Contact: 05/05/2025
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 11/13/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 6
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 12/09/2024
Next Scheduled EDR Contact: 05/05/2025
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/20/2024
Date Data Arrived at EDR: 08/19/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 51
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/20/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing
A listing of clandestine drug lab site locations.

Date of Government Version: 08/04/2010
Date Data Arrived at EDR: 09/10/2010
Date Made Active in Reports: 10/22/2010
Number of Days to Update: 42
Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/20/2024
Date Data Arrived at EDR: 08/19/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 51
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/20/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/19/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 19
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/10/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 02/27/2025
Number of Days to Update: 78
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

SPILLS: Release Notifications
Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 02/29/2024
Date Made Active in Reports: 05/21/2024
Number of Days to Update: 82
Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 02/06/2025
Next Scheduled EDR Contact: 05/26/2025
Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 03/10/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/01/2024
Date Data Arrived at EDR: 11/12/2024
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/11/2025
Next Scheduled EDR Contact: 05/26/2025
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/08/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/03/2025
Next Scheduled EDR Contact: 05/19/2025
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/06/2025
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/27/2025
Next Scheduled EDR Contact: 05/12/2025
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 01/30/2025
Next Scheduled EDR Contact: 05/12/2025
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/10/2025
Next Scheduled EDR Contact: 06/23/2025
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/11/2025
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 7

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/11/2025
Next Scheduled EDR Contact: 05/26/2025
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/13/2025
Date Data Arrived at EDR: 01/15/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/15/2025
Next Scheduled EDR Contact: 04/28/2025
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/29/2025
Date Data Arrived at EDR: 02/03/2025
Date Made Active in Reports: 02/27/2025
Number of Days to Update: 24

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 06/09/2025
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/01/2025
Date Data Arrived at EDR: 01/17/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/10/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 02/26/2025
Date Data Arrived at EDR: 03/03/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 05/12/2025
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/12/2024
Date Data Arrived at EDR: 10/17/2024
Date Made Active in Reports: 11/19/2024
Number of Days to Update: 33

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 04/10/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 10/16/2024
Date Made Active in Reports: 01/14/2025
Number of Days to Update: 90
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/09/2025
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/24/2025
Next Scheduled EDR Contact: 06/09/2025
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/30/2025
Next Scheduled EDR Contact: 05/12/2025
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/20/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/04/2024
Date Data Arrived at EDR: 10/16/2024
Date Made Active in Reports: 12/06/2024
Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/22/2025
Next Scheduled EDR Contact: 05/05/2025
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2024
Date Data Arrived at EDR: 10/09/2024
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 93

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/07/2025
Number of Days to Update: 16

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/23/2025
Next Scheduled EDR Contact: 05/12/2025
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 02/12/2025
Date Data Arrived at EDR: 02/12/2025
Date Made Active in Reports: 02/27/2025
Number of Days to Update: 15

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/06/2025
Next Scheduled EDR Contact: 05/26/2025
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/19/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/21/2025
Number of Days to Update: 19

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/01/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/19/2025
Date Data Arrived at EDR: 02/21/2025
Date Made Active in Reports: 03/20/2025
Number of Days to Update: 27

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/03/2025
Date Data Arrived at EDR: 02/18/2025
Date Made Active in Reports: 03/20/2025
Number of Days to Update: 30

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/18/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/02/2024
Date Data Arrived at EDR: 08/20/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 50

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/20/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/20/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 06/04/2024
Date Data Arrived at EDR: 11/22/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 88

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/20/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/10/2024
Date Data Arrived at EDR: 12/11/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 69

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/12/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/11/2024
Date Data Arrived at EDR: 11/20/2024
Date Made Active in Reports: 02/18/2025
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/25/2025
Next Scheduled EDR Contact: 06/09/2025
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/21/2024
Date Data Arrived at EDR: 12/27/2024
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2025
Next Scheduled EDR Contact: 07/21/2025
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/12/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/08/2024
Date Data Arrived at EDR: 11/08/2024
Date Made Active in Reports: 01/14/2025
Number of Days to Update: 67

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2025
Next Scheduled EDR Contact: 05/26/2025
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/16/2025
Next Scheduled EDR Contact: 05/05/2025
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/13/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Date Data Arrived at EDR: 04/05/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 03/06/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/14/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/30/2024
Date Data Arrived at EDR: 01/02/2025
Date Made Active in Reports: 01/10/2025
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/27/2025
Next Scheduled EDR Contact: 07/14/2025
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 01/12/2025
Date Data Arrived at EDR: 01/14/2025
Date Made Active in Reports: 03/20/2025
Number of Days to Update: 65

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/14/2025
Next Scheduled EDR Contact: 04/28/2025
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/06/2025
Next Scheduled EDR Contact: 05/19/2025
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/06/2025
Next Scheduled EDR Contact: 05/19/2025
Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 02/17/2025
Date Data Arrived at EDR: 02/19/2025
Date Made Active in Reports: 03/14/2025
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 03/18/2025
Next Scheduled EDR Contact: 06/30/2025
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing

A listing of sites where "Potential PFAS" were found. The listing includes sites with "PFAs" and "fluoro", and site names that include "firefight", "fire fight", "fire train".

Date of Government Version: 12/05/2024
Date Data Arrived at EDR: 12/05/2024
Date Made Active in Reports: 02/27/2025
Number of Days to Update: 84

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

AIRS: List of Permitted Facilities

A listing of permitted facilities in the state.

Date of Government Version: 01/31/2024
Date Data Arrived at EDR: 02/09/2024
Date Made Active in Reports: 05/01/2024
Number of Days to Update: 82

Source: Department of Health
Telephone: 808-586-4200
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Varies

DRYCLEANERS: Permitted Drycleaner Facility Listing

A listing of permitted drycleaner facilities in the state.

Date of Government Version: 01/31/2023
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 05/01/2024
Number of Days to Update: 78

Source: Department of Health
Telephone: 808-586-4200
Last EDR Contact: 04/02/2025
Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Varies

FIN ASSURANCE: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/10/2025
Date Data Arrived at EDR: 02/05/2025
Date Made Active in Reports: 02/20/2025
Number of Days to Update: 15

Source: Department of Health
Telephone: 808-586-4226
Last EDR Contact: 02/05/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

HWP: Hazardous Waste Program Listing
A list of files with HW file numbers. This means there was likely some kind of hazardous waste or used oil activity at the site in the past, but not necessarily currently. There could also be sites for which the department received a complaint from the public but there was never any regulated activity that occurred at that site.

Date of Government Version: 02/27/2025
Date Data Arrived at EDR: 02/28/2025
Date Made Active in Reports: 03/14/2025
Number of Days to Update: 14
Source: Department of Health
Telephone: 808-586-4238
Last EDR Contact: 02/19/2025
Next Scheduled EDR Contact: 06/09/2025
Data Release Frequency: Semi-Annually

LEAD: Lead Inspection Listing
Lead inspections

Date of Government Version: 02/28/2024
Date Data Arrived at EDR: 05/02/2024
Date Made Active in Reports: 07/24/2024
Number of Days to Update: 83
Source: Department of Health
Telephone: 808-586-5800
Last EDR Contact: 02/26/2025
Next Scheduled EDR Contact: 06/16/2025
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing
A listing of underground injection well locations.

Date of Government Version: 05/17/2024
Date Data Arrived at EDR: 05/21/2024
Date Made Active in Reports: 08/15/2024
Number of Days to Update: 86
Source: Department of Health
Telephone: 808-586-4258
Last EDR Contact: 02/12/2025
Next Scheduled EDR Contact: 06/02/2025
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 191

Source: Department of Health
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Health
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Health in Hawaii.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Health
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Office of Planning
Telephone: 808-587-2895

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

DLNR DOCARE
525 AVOCADO ST
WAHIAWA, HI 96786

TARGET PROPERTY COORDINATES

Latitude (North):	21.493146 - 21° 29' 35.33''
Longitude (West):	158.027957 - 158° 1' 40.65''
Universal Tranverse Mercator:	Zone 4
UTM X (Meters):	600692.9
UTM Y (Meters):	2376900.2
Elevation:	866 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	9757685 SCHOFIELD BARRACKS, HI
Version Date:	2017
Northeast Map:	9696214 HAUULA, HI
Version Date:	2017
Southeast Map:	9814487 WAIPAHU, HI
Version Date:	2017
Northwest Map:	9757681 HALEIWA, HI
Version Date:	2017

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

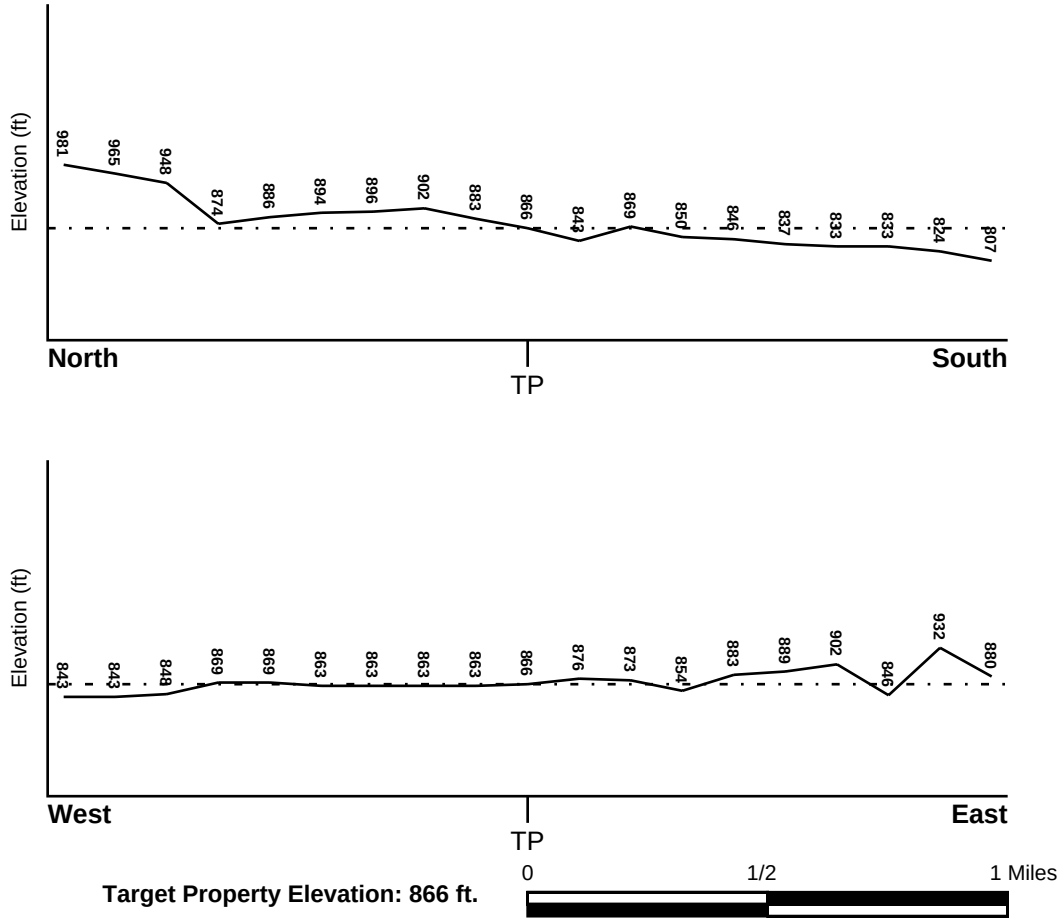
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
1500010044B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
1500010045B	FEMA Q3 Flood data
15003C0226F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SCHOFIELD BARRACKS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

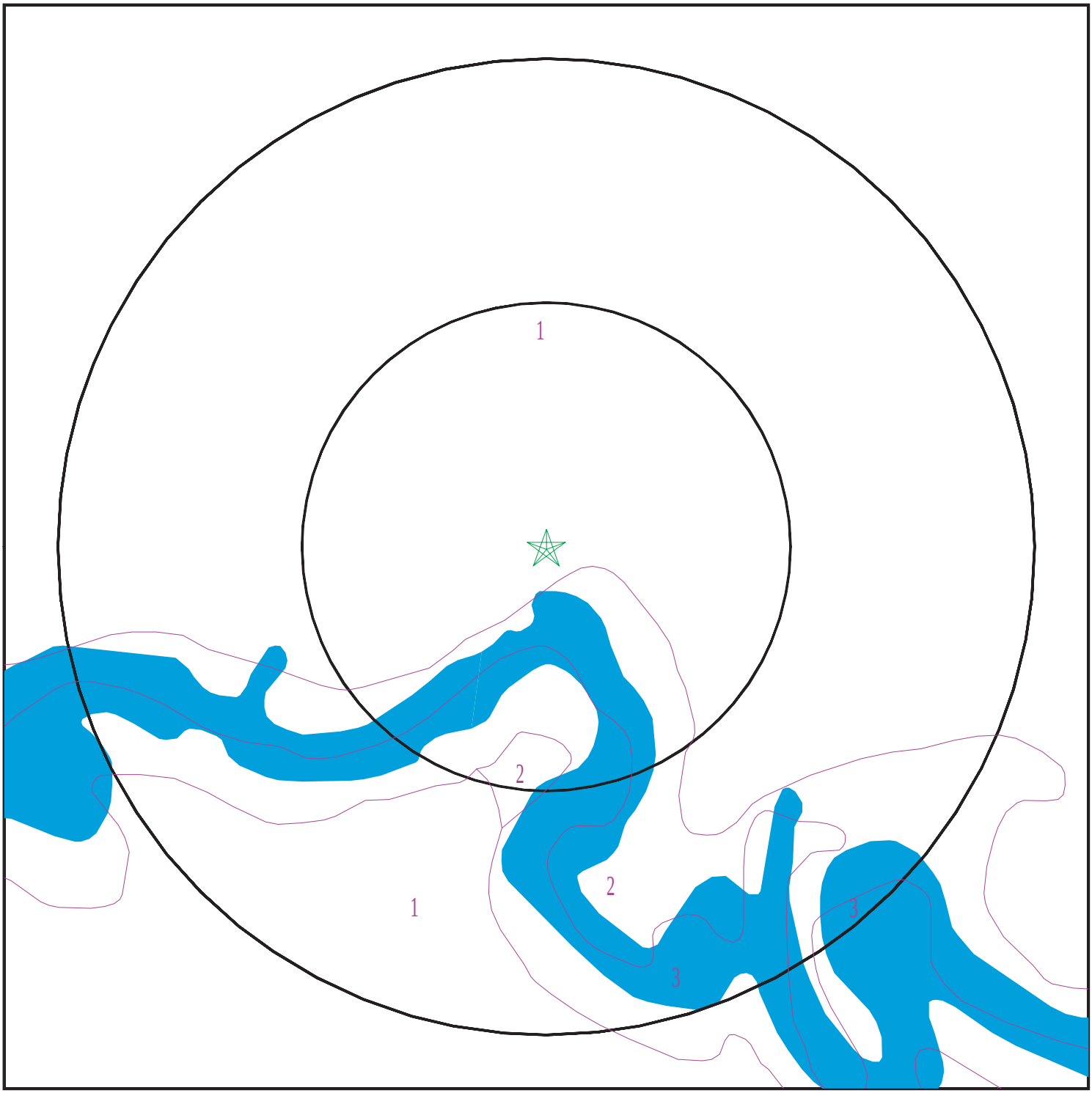
Era: -
System: -
Series: -
Code: N/A *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7957252.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	DLNR DOCARE	CLIENT:	Element Environmental , LLC
ADDRESS:	525 Avocado St Wahiawa HI 96786	CONTACT:	Angie Peltier
		INQUIRY #:	7957252.2s
LAT/LONG:	21.493146 / 158.027957	DATE:	April 14, 2025 2:57 pm

Copyright © 2025 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Wahiawa

Soil Surface Texture: silty clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	ML-K (proposed)	Max: 14.11 Min: 1.41	Max: 7.3 Min: 5.6
2	11 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	ML-K (proposed)	Max: 14.11 Min: 1.41	Max: 7.3 Min: 5.6

Soil Map ID: 2

Soil Component Name: Helemano

Soil Surface Texture: silty clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	ML-K (proposed)	Max: 14 Min: 4.23	Max: 7.3 Min: 5.6
2	9 inches	40 inches	paragravelly silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	ML-K (proposed)	Max: 14 Min: 4.23	Max: 7.3 Min: 5.6
3	40 inches	59 inches	very paragravelly silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	ML-K (proposed)	Max: 14 Min: 4.23	Max: 7.3 Min: 5.6

Soil Map ID: 3

Soil Component Name: Water > 40 acres

Soil Surface Texture: silty clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000270953	0 - 1/8 Mile ESE
A2	USGS40000270950	1/8 - 1/4 Mile ESE
A4	USGS40000270954	1/8 - 1/4 Mile East
A5	USGS40000270951	1/8 - 1/4 Mile ESE
A9	USGS40000270952	1/8 - 1/4 Mile ESE
B12	USGS40000270944	1/4 - 1/2 Mile South
B13	USGS40000270939	1/4 - 1/2 Mile South
B14	USGS40000270938	1/4 - 1/2 Mile South
B15	USGS40000270940	1/4 - 1/2 Mile South
B16	USGS40000270943	1/4 - 1/2 Mile South
B17	USGS40000270941	1/4 - 1/2 Mile South
B18	USGS40000270937	1/4 - 1/2 Mile South
C24	USGS40000270942	1/4 - 1/2 Mile SSE
D27	USGS40000270955	1/4 - 1/2 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

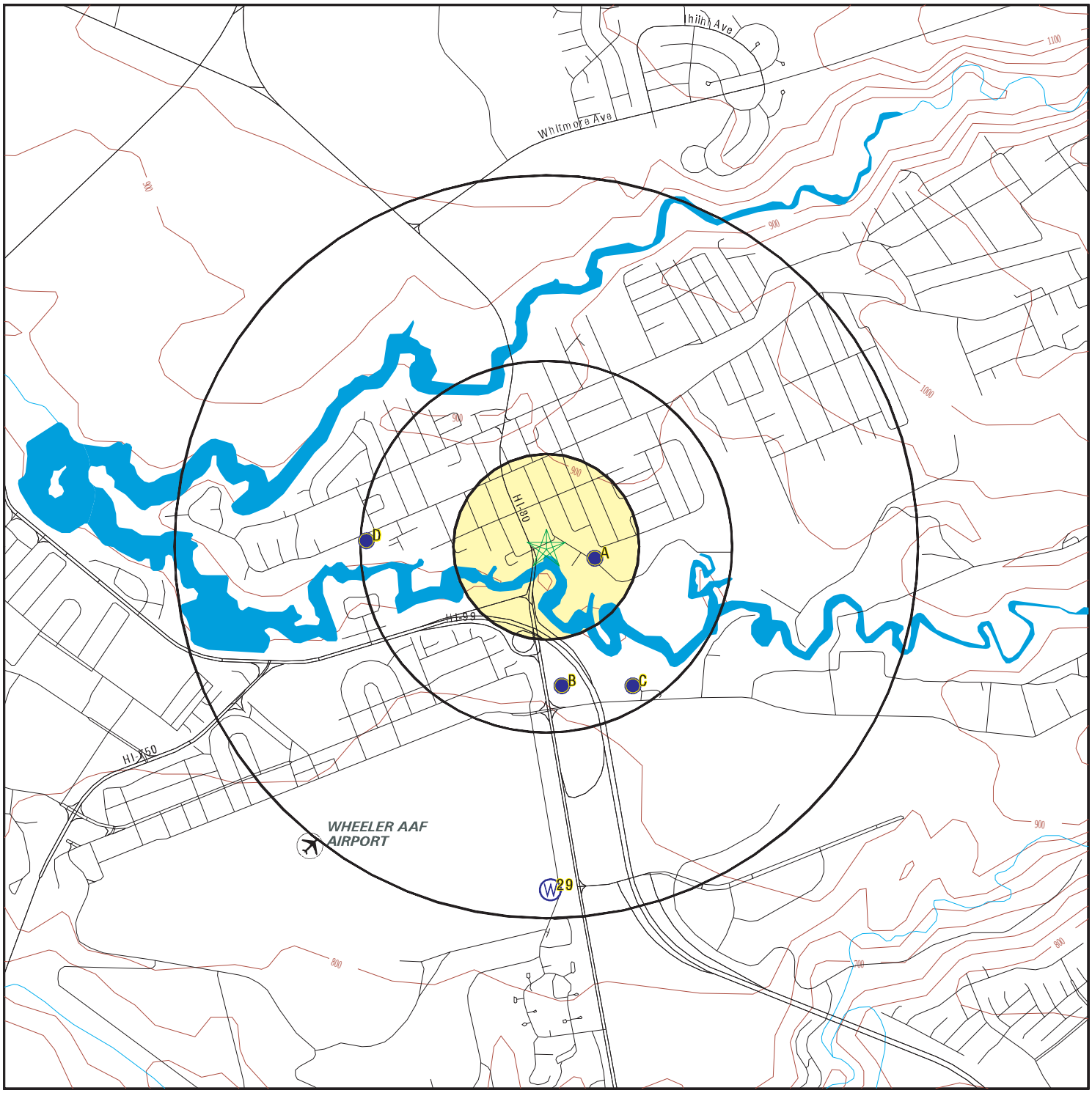
MAP ID	WELL ID	LOCATION FROM TP
A3	HI1300000002172	1/8 - 1/4 Mile ESE
A6	HI1300000002173	1/8 - 1/4 Mile East
A7	HI1300000002175	1/8 - 1/4 Mile East
A8	HI1300000002176	1/8 - 1/4 Mile ESE
B10	HI1300000002171	1/4 - 1/2 Mile South
B11	HI1300000002169	1/4 - 1/2 Mile South
C19	HI1300000002165	1/4 - 1/2 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C20	HI1300000002168	1/4 - 1/2 Mile SSE
C21	HI1300000002166	1/4 - 1/2 Mile SSE
C22	HI1300000002167	1/4 - 1/2 Mile SSE
C23	HI1300000002170	1/4 - 1/2 Mile SSE
C25	HI1300000002174	1/4 - 1/2 Mile SSE
D26	HI1300000002179	1/4 - 1/2 Mile West
D28	HI1300000002178	1/2 - 1 Mile West
29	HI1300000002107	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 7957252.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

SITE NAME:	DLNR DOCARE	CLIENT:	Element Environmental , LLC
ADDRESS:	525 Avocado St Wahiawa HI 96786	CONTACT:	Angie Peltier
		INQUIRY #:	7957252.2s
LAT/LONG:	21.493146 / 158.027957	DATE:	April 14, 2025 2:57 pm

Copyright © 2025 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
ESE
0 - 1/8 Mile
Higher

FED USGS **USGS40000270953**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-08 ,09,11	Type:	Well: Multiple wells
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A2
ESE
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000270950**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-08 W330-3	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19410101
Well Depth:	880	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A3
ESE
1/8 - 1/4 Mile
Higher

HI WELLS **HI1300000002172**

Well #:	3-2901-008	Well Name:	Wahiawa I-3
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1941	Driller:	W. M. Mullin
Well Depth (ft):	880		
Land Owner:	City and County of Honolulu, C&CH		
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	16	Ground Elevation (ft):	870
Solid Casing Depth (ft):	650	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Observation	Initial Water Level (ft):	275.4
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	23
Date Tested:	Not Reported	Test Pump Rate (g/m):	Not Reported
Test Drawdown Rate (ft):	Not Reported	Test Chloride Content (mg/l):	Not Reported
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	1500	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	-10
Solid Casing Bot Elevation:	220	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	2.16	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-41	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A4
East
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000270954**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-11 W330-9	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19620101
Well Depth:	821	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A5
ESE
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000270951**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-09 Wahiawa Walker Avenue, Oahu, HI		
Type:	Well	Description:	former local no. W330-6
HUC:	20060000	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Hawaii volcanic-rock aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19470201	Well Depth:	990
Well Depth Units:	ft	Well Hole Depth:	990
Well Hole Depth Units:	ft		

A6
East
1/8 - 1/4 Mile
Higher

HI WELLS **HI1300000002173**

Well #:	3-2901-009	Well Name:	Wahiawa I-2
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1947	Driller:	W. M. Mullin
Well Depth (ft):	990		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	18	Ground Elevation (ft):	873
Solid Casing Depth (ft):	633	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Unused	Initial Water Level (ft):	275
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	22
Date Tested:	Not Reported	Test Pump Rate (g/m):	1500
Test Drawdown Rate (ft):	3	Test Chloride Content (mg/l):	Not Reported
Test Water Temp:	21.5	Test Unit:	C
Pump GPM:	Not Reported	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	1965
Draft Year:	Not Reported	Hole Bottom Elevation:	-117
Solid Casing Bot Elevation:	240	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	Not Reported	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-47	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A7
East
1/8 - 1/4 Mile
Higher

HI WELLS **HI1300000002175**

Well #:	3-2901-011	Well Name:	Wahiawa I-1
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1962		
Driller:	Goodfellow Construction, Inc. Corporate		
Well Depth (ft):	821		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Rotary
Casing Diameter (in):	20	Ground Elevation (ft):	873
Solid Casing Depth (ft):	652	Perf Casing Depth (ft):	Not Reported
Major Well Use:	County	Initial Water Level (ft):	272.9
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	20
Date Tested:	Not Reported	Test Pump Rate (g/m):	2034
Test Drawdown Rate (ft):	3.9	Test Chloride Content (mg/l):	Not Reported
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	2400	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	1977
Draft Year:	Not Reported	Hole Bottom Elevation:	52
Solid Casing Bot Elevation:	221	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	3.456	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-62	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

A8
ESE
1/8 - 1/4 Mile
Higher

HI WELLS **HI1300000002176**

Well #:	3-2901-012	Well Name:	Wahiawa I-2
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1983		
Driller:	Water Resources International, Inc.		
Well Depth (ft):	858		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Rotary
Casing Diameter (in):	20	Ground Elevation (ft):	874
Solid Casing Depth (ft):	700	Perf Casing Depth (ft):	Not Reported
Major Well Use:	County	Initial Water Level (ft):	279
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	Not Reported	Test Pump Rate (g/m):	2400
Test Drawdown Rate (ft):	9.5	Test Chloride Content (mg/l):	21
Test Water Temp:	21.2	Test Unit:	C
Pump GPM:	2400	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	16
Solid Casing Bot Elevation:	174	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	3.456	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-83	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A9
ESE
1/8 - 1/4 Mile
Higher

FED USGS **USGS40000270952**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-12 Wahiawa Wells I, no. 2, Oahu, HI		
Type:	Well	Description:	NAWQA entry ver. 05/15/2002 Hunt C
HUC:	20060000	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Hawaii volcanic-rock aquifers
Formation Type:	Koolau Volcanic Series, Lava Flows		
Aquifer Type:	Unconfined single aquifer	Construction Date:	19830301
Well Depth:	858	Well Depth Units:	ft
Well Hole Depth:	858	Well Hole Depth Units:	ft

B10
South
1/4 - 1/2 Mile
Lower

HI WELLS **HI1300000002171**

Well #:	3-2901-007		
Well Name:	Schofield Batt Shaft Entrance		
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1938	Driller:	Black
Well Depth (ft):	1080		
Land Owner:	U.S. Army Garrison, Hawaii, Headquarters		
Pump Installer:	Not Reported	Well Construction Type:	Shaft
Casing Diameter (in):	90	Ground Elevation (ft):	850
Solid Casing Depth (ft):	Not Reported	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Not Reported	Initial Water Level (ft):	550.1
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	18
Date Tested:	Not Reported	Test Pump Rate (g/m):	2500
Test Drawdown Rate (ft):	8.1	Test Chloride Content (mg/l):	18
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	Not Reported	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	-230
Solid Casing Bot Elevation:	Not Reported	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	Not Reported	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-38	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

B11
South
1/4 - 1/2 Mile
Lower

HI WELLS **HI1300000002169**

Well #:	3-2901-005	Well Name:	Schofield
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1936	Driller:	Not Reported
Well Depth (ft):	300		
Land Owner:	U.S. Army Garrison, Hawaii, Headquarters		
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	Not Reported	Ground Elevation (ft):	276
Solid Casing Depth (ft):	43	Perf Casing Depth (ft):	Not Reported

Major Well Use:	Abandoned-Lost	Initial Water Level (ft):	Not Reported
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	Not Reported	Test Pump Rate (g/m):	Not Reported
Test Drawdown Rate (ft):	Not Reported	Test Chloride Content (mg/l):	Not Reported
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	Not Reported	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	-24
Solid Casing Bot Elevation:	233	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	Not Reported	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-36	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

B12
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270944**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-02 W330-B	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19360101
Well Depth:	150	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B13
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270939**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-03 W330-C	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19360101
Well Depth:	140	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B14
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270938**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-01 W330-A	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19360101
Well Depth:	140	Well Depth Units:	ft

Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B15
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270940**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-04 W330-D	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19360101
Well Depth:	264	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B16
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270943**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-10 W330-F	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19560101
Well Depth:	287	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B17
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270941**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-05 T17	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19360101
Well Depth:	300	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

B18
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270937**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-07 Schofield Shaft, Oahu, HI		

Type:	Well	Description:	former local no. S4
HUC:	20060000	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Hawaii volcanic-rock aquifers
Formation Type:	Volcanic Rocks	Aquifer Type:	Unconfined single aquifer
Construction Date:	19360101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	12	Level reading date:	2001-09-27
Feet below surface:	Not Reported	Feet to sea level:	271.37
Note:	The site was being pumped.		
Level reading date:	2001-08-21	Feet below surface:	Not Reported
Feet to sea level:	271.19	Note:	The site was being pumped.
Level reading date:	2001-06-21	Feet below surface:	Not Reported
Feet to sea level:	271.99	Note:	The site was being pumped.
Level reading date:	2001-04-18	Feet below surface:	Not Reported
Feet to sea level:	272.66	Note:	The site was being pumped.
Level reading date:	2000-10-18	Feet below surface:	Not Reported
Feet to sea level:	273.20	Note:	The site was being pumped.
Level reading date:	2000-09-06	Feet below surface:	Not Reported
Feet to sea level:	273.60	Note:	The site was being pumped.
Level reading date:	2000-03-29	Feet below surface:	Not Reported
Feet to sea level:	273.36	Note:	Not Reported
Level reading date:	1999-08-23	Feet below surface:	Not Reported
Feet to sea level:	273.39	Note:	Not Reported
Level reading date:	1999-08-04	Feet below surface:	Not Reported
Feet to sea level:	274.11	Note:	Not Reported
Level reading date:	1999-06-04	Feet below surface:	Not Reported
Feet to sea level:	274.19	Note:	Not Reported
Level reading date:	1999-02-05	Feet below surface:	Not Reported
Feet to sea level:	274.21	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	Not Reported
Feet to sea level:	273.68	Note:	Not Reported

C19
SSE **HI WELLS** **HI1300000002165**
1/4 - 1/2 Mile
Lower

Well #:	3-2901-001		
Well Name:	Schofield Batt Monitor (Sealed)		
Original Name:	A	Aquifer Type:	Dike
Year Drilled:	1936	Driller:	L. McCandless
Well Depth (ft):	140	Land Owner:	United States of America
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	17	Ground Elevation (ft):	287
Solid Casing Depth (ft):	36	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Abandoned-Sealed		

Initial Water Level (ft):	Not Reported	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	Not Reported	Date Tested:	Not Reported
Test Pump Rate (g/m):	Not Reported	Test Drawdown Rate (ft):	Not Reported
Test Chloride Content (mg/l):	Not Reported	Test Water Temp:	21.6
Test Unit:	C	Pump GPM:	0
Max Chloride Level:	Not Reported	Min Chloride Level:	Not Reported
Pump Installed:	Not Reported	Draft Year:	Not Reported
Hole Bottom Elevation:	147	Solid Casing Bot Elevation:	251
Perf Casing Bot Elevation:	Not Reported	Pump Capacity (MM gal/day):	Not Reported
Pump Intake Depth (ft):	Not Reported	Latest WCR1 Report:	01-JAN-36
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported

---

C20
SSE **HI WELLS** **HI1300000002168**
1/4 - 1/2 Mile
Lower

Well #:	3-2901-004	Well Name:	Schofield Batt
Original Name:	#3	Aquifer Type:	Dike
Year Drilled:	1936	Driller:	L. McCandless
Well Depth (ft):	264	Land Owner:	United States of America
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	17	Ground Elevation (ft):	287
Solid Casing Depth (ft):	203	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Military	Initial Water Level (ft):	Not Reported
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	Not Reported	Test Pump Rate (g/m):	Not Reported
Test Drawdown Rate (ft):	Not Reported	Test Chloride Content (mg/l):	Not Reported
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	2000	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	23
Solid Casing Bot Elevation:	84	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	2.88	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-36	Latest WCR2 Report:	15-MAR-11
Transmissivity:	Not Reported		

C21
SSE **HI WELLS** **HI1300000002166**
1/4 - 1/2 Mile
Lower

Well #:	3-2901-002	Well Name:	Schofield Batt
Original Name:	B	Aquifer Type:	Dike
Year Drilled:	1936	Driller:	L. McCandless
Well Depth (ft):	150	Land Owner:	United States of America
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	14	Ground Elevation (ft):	287
Solid Casing Depth (ft):	80	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Water Level Observaiton		
Initial Water Level (ft):	284	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	19	Date Tested:	Not Reported
Test Pump Rate (g/m):	Not Reported	Test Drawdown Rate (ft):	Not Reported
Test Chloride Content (mg/l):	Not Reported	Test Water Temp:	21.5
Test Unit:	C	Pump GPM:	2000
Max Chloride Level:	Not Reported	Min Chloride Level:	Not Reported
Pump Installed:	Not Reported	Draft Year:	Not Reported
Hole Bottom Elevation:	137	Solid Casing Bot Elevation:	Not Reported

Perf Casing Bot Elevation:	Not Reported	Pump Capacity (MM gal/day):	2.88
Pump Intake Depth (ft):	Not Reported	Latest WCR1 Report:	01-JAN-36
Latest WCR2 Report:	10-NOV-16	Transmissivity:	Not Reported

C22
SSE **HI WELLS** **HI1300000002167**
1/4 - 1/2 Mile
Lower

Well #:	3-2901-003	Well Name:	Schofield Batt
Original Name:	#2	Aquifer Type:	Dike
Year Drilled:	1936	Driller:	L. McCandless
Well Depth (ft):	204	Land Owner:	United States of America
Pump Installer:	Tonia H.K. Gonsalves (Beylik / Energetic A JV)		
Well Construction Type:	Not Reported	Casing Diameter (in):	17
Ground Elevation (ft):	287	Solid Casing Depth (ft):	80
Perf Casing Depth (ft):	Not Reported	Major Well Use:	Military
Initial Water Level (ft):	Not Reported	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	Not Reported	Date Tested:	Not Reported
Test Pump Rate (g/m):	Not Reported	Test Drawdown Rate (ft):	Not Reported
Test Chloride Content (mg/l):	Not Reported	Test Water Temp:	Not Reported
Test Unit:	Not Reported	Pump GPM:	2000
Max Chloride Level:	Not Reported	Min Chloride Level:	Not Reported
Pump Installed:	1969	Draft Year:	Not Reported
Hole Bottom Elevation:	83	Solid Casing Bot Elevation:	207
Perf Casing Bot Elevation:	Not Reported	Pump Capacity (MM gal/day):	2.88
Pump Intake Depth (ft):	33	Latest WCR1 Report:	01-JAN-36
Latest WCR2 Report:	11-SEP-17	Transmissivity:	Not Reported

C23
SSE **HI WELLS** **HI1300000002170**
1/4 - 1/2 Mile
Lower

Well #:	3-2901-006	Well Name:	Schofield Batt
Original Name:	#1	Aquifer Type:	Dike
Year Drilled:	1938	Driller:	W. M. Mullin
Well Depth (ft):	264	Land Owner:	United States of America
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	17	Ground Elevation (ft):	276
Solid Casing Depth (ft):	80	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Military	Initial Water Level (ft):	Not Reported
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	Not Reported	Test Pump Rate (g/m):	Not Reported
Test Drawdown Rate (ft):	Not Reported	Test Chloride Content (mg/l):	Not Reported
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	2000	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	12
Solid Casing Bot Elevation:	196	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	2.88	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-38	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
C24 **SSE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40000270942**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2901-06 Schofield Shaft Pump 1, Oahu, HI		
Type:	Well		
Description:	former W330-E, NAWQA entry ver. 05/15/2002 Hunt C		
HUC:	20060000	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Hawaii volcanic-rock aquifers
Formation Type:	Koolau Volcanic Series, Lava Flows		
Aquifer Type:	Unconfined single aquifer	Construction Date:	19380101
Well Depth:	713	Well Depth Units:	ft
Well Hole Depth:	713	Well Hole Depth Units:	ft

	Database	EDR ID Number
C25 **SSE** **1/4 - 1/2 Mile** **Lower**	**HI WELLS**	**HI1300000002174**

Well #:	3-2901-010	Well Name:	Schofield Batt
Original Name:	#4	Aquifer Type:	Dike
Year Drilled:	1956	Driller:	Samson/Smock
Well Depth (ft):	287	Land Owner:	United States of America
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	16	Ground Elevation (ft):	287
Solid Casing Depth (ft):	278	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Military	Initial Water Level (ft):	Not Reported
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	19
Date Tested:	Not Reported	Test Pump Rate (g/m):	1700
Test Drawdown Rate (ft):	.7	Test Chloride Content (mg/l):	Not Reported
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	2000	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	0
Solid Casing Bot Elevation:	9	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	2.88	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-56	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

	Database	EDR ID Number
D26 **West** **1/4 - 1/2 Mile** **Higher**	**HI WELLS**	**HI1300000002179**

Well #:	3-2902-002	Well Name:	Wahiawa II-2
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1996		
Driller:	Water Resources International, Inc.		
Well Depth (ft):	861		
Land Owner:	City and County of Honolulu, C&CH		
Pump Installer:	Not Reported	Well Construction Type:	Rotary
Casing Diameter (in):	16	Ground Elevation (ft):	868
Solid Casing Depth (ft):	762	Perf Casing Depth (ft):	Not Reported

Major Well Use:	County	Initial Water Level (ft):	272.34
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	20
Date Tested:	28-OCT-96	Test Pump Rate (g/m):	1089
Test Drawdown Rate (ft):	7.8	Test Chloride Content (mg/l):	18
Test Water Temp:	22.6	Test Unit:	C
Pump GPM:	1750	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	2001
Draft Year:	Not Reported	Hole Bottom Elevation:	6
Solid Casing Bot Elevation:	104	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	2.52	Pump Intake Depth (ft):	651
Latest WCR1 Report:	09-OCT-96	Latest WCR2 Report:	11-DEC-17
Transmissivity:	Not Reported		

D27
West
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000270955**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2902-01	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19740601
Well Depth:	986	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

D28
West
1/2 - 1 Mile
Higher

HI WELLS **HI1300000002178**

Well #:	3-2902-001	Well Name:	Wahiawa II-1
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1974		
Driller:	Water Resources International, Inc.		
Well Depth (ft):	986		
Land Owner:	City and County of Honolulu, C&CH		
Pump Installer:	Not Reported	Well Construction Type:	Rotary
Casing Diameter (in):	20	Ground Elevation (ft):	866
Solid Casing Depth (ft):	786	Perf Casing Depth (ft):	836
Major Well Use:	County	Initial Water Level (ft):	275.86
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	18
Date Tested:	05-JUL-74	Test Pump Rate (g/m):	2500
Test Drawdown Rate (ft):	8.1	Test Chloride Content (mg/l):	18
Test Water Temp:	22.4	Test Unit:	C
Pump GPM:	2100	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	-120
Solid Casing Bot Elevation:	80	Perf Casing Bot Elevation:	30
Pump Capacity (MM gal/day):	3.024	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JUN-74	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
HI WELLS	**HI1300000002107**

29
South
1/2 - 1 Mile
Lower

Well #:	3-2801-002	Well Name:	Schofield MW2-4
Original Name:	Not Reported	Aquifer Type:	Dike
Year Drilled:	1994	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	739	Land Owner:	United States of America
Pump Installer:	Not Reported	Well Construction Type:	Rotary
Casing Diameter (in):	6	Ground Elevation (ft):	828
Solid Casing Depth (ft):	544	Perf Casing Depth (ft):	694
Major Well Use:	Observation-Other		
Initial Water Level (ft):	273.74	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	19	Date Tested:	Not Reported
Test Pump Rate (g/m):	Not Reported	Test Drawdown Rate (ft):	Not Reported
Test Chloride Content (mg/l):	Not Reported	Test Water Temp:	Not Reported
Test Unit:	Not Reported	Pump GPM:	25
Max Chloride Level:	Not Reported	Min Chloride Level:	Not Reported
Pump Installed:	1995	Draft Year:	Not Reported
Hole Bottom Elevation:	89	Solid Casing Bot Elevation:	284
Perf Casing Bot Elevation:	134	Pump Capacity (MM gal/day):	.036
Pump Intake Depth (ft):	673	Latest WCR1 Report:	28-NOV-94
Latest WCR2 Report:	07-JUN-95	Transmissivity:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for HONOLULU County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 96786

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Office of Planning
Telephone: 808-587-2895

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Well Index Database
Source: Commission on Water Resource Management
Telephone: 808-587-0214
CWRM maintains a Well Index Database to track specific information pertaining to the construction and installation of production wells in Hawaii.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

EDR Environmental Lien and AUL Search

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786

Inquiry Number: 7957252.7
April 14, 2025

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel number and/or legal description
- search for ownership information
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for publicly available environmental encumbering instrument(s) filed on or after the recording of the current deed; between the recording of the current deed and the most current publicly available date
- provide a copy of any environmental encumbrance(s)
- provide a copy of the current deed when available

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2024 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

525 Avocado St
DLNR DOCARE
Wahiawa, HI 96786

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Bureau of Conveyances
Honolulu, HI

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Warranty Deed
Title is vested in:	ANGELO'S AUTO BODY & DETAILING LLC
Title received from:	AVOCADO STREET, LLC
Deed Dated	9/9/2013
Deed Recorded:	9/12/2013
Book:	NA
Page:	NA
Volume:	NA
Instrument:	A-50030170
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	ANGELO'S AUTO BODY & DETAILING LLC
Parcel # / Property Identifier:	740010250000
Comments:	See Exhibit

Deed Exhibit 1

STATE OF HAWAII
BUREAU OF CONVEYANCES
RECORDED
September 12, 2013 8:01 AM
Doc No(s) A-50030170

1 1 / 1 CGG
B-32336991

/s/ NICKI ANN THOMPSON
REGISTRAR

Conveyance Tax: $525.00

LAND COURT SYSTEM

REGULAR SYSTEM

AFTER RECORDATION, RETURN BY MAIL (X) PICKUP ( ):
ANGELO'S AUTO BODY & DETAILING, LLC
1422 IAO LN
476826 HONOLULU, HI 96817

FAM: 201334570
TGE: 21613030728
Terri Bertulfo

Total Pages: 9

Tax Map Key No. (1) 7-4-001-025

WARRANTY DEED

THIS WARRANTY DEED, made this 9 day of September, 2013, by AVOCADO STREET, LLC, a Hawaii limited liability company, of Wahiawa, Hawaii ("Grantor"), in favor of ANGELO'S AUTO BODY & DETAILING, LLC, a Hawaii limited liability company, whose post office address is 1422 Iao Lane, Honolulu, Hawaii 96817 ("Grantee");

W I T N E S S E T H:

That for TEN AND NO/100 DOLLARS ($10.00) and other valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, the Grantor does hereby grant, bargain, sell and convey unto the Grantee, its successors and assigns, in fee simple:

All of that certain real property described in Exhibit "A" attached hereto and made a part hereof, subject to the encumbrances and other matters noted herein (if any).

AND the reversions, remainders, rents, issues and profits thereof and all of the estate, right, title and interest of the Grantor, both at law and in equity, therein and thereto;

TO HAVE AND TO HOLD the same, together with all buildings, improvements, rights, easements, privileges and appurtenances thereon and thereto belonging or appertaining or held and enjoyed therewith, unto the Grantee according to the tenancy set forth herein, forever.

THE GRAD LAW FIRM
ESCROW@GRADLAW.COM
P: (808) 521-4757 F: (808) 533-0327

AND, in consideration of the premises, the Grantor does hereby covenant with the Grantee that the Grantor is seized of the property described herein in fee simple; that said property is free and clear of and from all liens and encumbrances, except for the lien of real property taxes not yet by law required to be paid, and except as may be specifically set forth herein; that the Grantor has good right to sell and convey said property, as aforesaid; and, that the Grantor will WARRANT AND DEFEND the same unto the Grantee against the lawful claims and demands of all persons, except as aforesaid.

AND the Grantee acknowledges that the property described in Exhibit "A", including, but not limited to the roof, walls, foundations, soils, plumbing, electrical and mechanical systems, etc., is being sold in its Existing "AS IS" Condition, without any warranties or representations, either express or implied. The Grantee does hereby accept all risks and liabilities associated with the property and its existing physical condition, and does hereby release and hold harmless the Grantor from any and all claims connected with the physical condition of the property.

The rights and obligations of the Grantor and the Grantee shall be binding upon and inure to the benefit of their respective heirs, devisees, personal representatives, successors and assigns.

This conveyance and the warranties of the Grantor are expressly declared to be in favor of the Grantee, and the Grantee's heirs, devisees, personal representatives, successors and assigns.

The terms "Grantor" and "Grantee", as and when used herein, or any pronouns used in place of those terms, shall mean and include the masculine, feminine or neuter, the singular or plural number, individuals, partnerships, trustees or corporations and their and each of their respective successors, heirs, personal representatives, and assigns, according to the context thereof. All covenants and obligations undertaken by two or more persons shall be deemed to be joint and several unless a contrary intention is clearly expressed elsewhere herein.

Each of the parties to this document may execute different and separate copies of this document ("counterparts"), each of which when so executed shall be deemed to be an original, and all of which taken together will constitute one and the same document. The document assembled in this manner will be binding upon all of the parties, even though all of them have not signed the same original or counterparts. For all purposes, including, without limitation, recordation, filing and delivery of this document, duplicate unexecuted and unacknowledged pages of the counterparts may be discarded and the remaining pages assembled as one document.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

COUNTERPART TO BE SIGNED BY GRANTOR AVOCADO STREET, LLC, a Hawaii limited liability company:

IN WITNESS WHEREOF, the undersigned has executed these presents as of the day and year first above written.

AVOCADO STREET, LLC, a Hawaii limited liability company

By _____
Rodney Yoshiaki Masuoka
Its Manager

"Grantor"

STATE OF HAWAII)
) SS.
CITY AND COUNTY OF HONOLULU)

On this _____ day of SEP - 9 2013, 2013, before me personally appeared Rodney Yoshiaki Masuoka, to me personally known or adequately proven to be the person(s) described in and who executed the foregoing instrument, who, being by me duly sworn or affirmed, did say that such person(s) executed the same as the free act and deed of such person(s), and if applicable, in the capacity shown, having been duly authorized to execute such instrument in such capacity.

TERRI L. BERTULFO NOTARY 99-477 PUBLIC STATE OF HAWAII

Notary Public, State of Hawaii

Terri L. Bertulfo

(Printed name)

My commission expires: TERRI L. BERTULFO Expiration Date: August 28, 2015

TERRI L. BERTULFO NOTARY 99-477 PUBLIC STATE OF HAWAII

Doc. Date: SEP - 9 2013	# Pages: 9
Name: Terri L. Bertulfo	First Circuit
Doc. Description: Warranty Deed	
SEP - 9 2013	
Notary Signature Date	

NOTARY CERTIFICATION

(Seal) TERRI L. BERTULFO NOTARY 99-477 PUBLIC STATE OF HAWAII

COUNTERPART TO BE SIGNED BY GRANTEE ANGELO'S AUTO BODY & DETAILING, LLC, a Hawaii limited liability company:

IN WITNESS WHEREOF, the undersigned has executed these presents as of the day and year first above written.

ANGELO'S AUTO BODY & DETAILING, LLC, a
Hawaii limited liability company

By _____
ANGELO S. JOHN
Its Member

"Grantee"

STATE OF HAWAII)
) SS.
CITY AND COUNTY OF HONOLULU)

On this _____ day of SEP - 9 2013, 2013, before me personally appeared ANGELO S. JOHN, to me personally known or adequately proven to be the person(s) described in and who executed the foregoing instrument, who, being by me duly sworn or affirmed, did say that such person(s) executed the same as the free act and deed of such person(s), and if applicable, in the capacity shown, having been duly authorized to execute such instrument in such capacity.

TERRI L. BERTULFO NOTARY 99-477 PUBLIC STATE OF HAWAII

Notary Public, State of Hawaii

Terri L. Bertulfo
(Printed name)

My commission expires: TERRI L. BERTULFO Expiration Date: August 28, 2015

Doc. Date: SEP - 9 2013 # Pages: 9
Name: Terri L. Bertulfo First Circuit
Doc. Description: warranty Deed

SEP - 9 2013
Notary Signature Date

NOTARY CERTIFICATION

(Seal) TERRI L. BERTULFO NOTARY 99-477 PUBLIC STATE OF HAWAII

EXHIBIT "A"

PARCEL FIRST:

ALL OF THAT CERTAIN PIECE OR PARCEL OF LAND (BEING A PORTION OF THE LAND DESCRIBED IN LAND PATENT (GRANT) 4616 TO MARY E. CLARK), SITUATE AT THE SOUTHEAST CORNER OF KAMEHAMEHA HIGHWAY (FORMERLY COLONY ROAD) AND AVOCADO AVENUE, AT WAHIAWA, DISTRICT OF WAHIAWA, CITY AND COUNTY OF HONOLULU, STATE OF HAWAII, BEING A PORTION OF LOT 46, OF THE "CLARK TRACT", AS SHOWN ON REGISTERED MAP 160, AND KNOWN AS A PORTION OF LOT "C", OF THE SUBDIVISION OF SAID LAND PATENT (GRANT) 4616, AND THUS BOUNDED AND DESCRIBED:

BEGINNING AT THE WEST CORNER OF THIS PIECE OF LAND, AND ON THE SOUTHEAST SIDE OF AVOCADO AVENUE, THE DIRECT AZIMUTH AND DISTANCE TO A 3 INCH PIPE IN CONCRETE AT THE SOUTHEAST CORNER OF KAMEHAMEHA HIGHWAY AND AVOCADO AVENUE BEING 66° 43' 50.00 FEET AND THE COORDINATES OF SAID PIPE IN CONCRETE REFERRED TO ANOTHER 3 INCH PIPE MARKING THE EAST CORNER OF CLARK TRACT ADDITION (FILE PLAN 165) ON THE WEST SIDE OF KAMEHAMEHA HIGHWAY, BEING 176.26 FEET SOUTH AND 162.93 FEET EAST, AND THE COORDINATES OF THIS SECOND 3 INCH PIPE MARKING THE EAST CORNER OF SAID CLARK TRACT ADDITION REFERRED TO GOVERNMENT SURVEY TRIANGULATION STATION "KOKOLOEA" BEING 2039.94 FEET NORTH AND 4040.42 FEET EAST, AND THENCE RUNNING FROM THE ABOVE INITIAL POINT BY AZIMUTHS MEASURED CLOCKWISE FROM TRUE SOUTH:

1.	246°	43'	135.77	FEET ALONG THE SOUTHEAST SIDE OF AVOCADO AVENUE TO A PIPE;
2.	336°	43'	50.00	FEET TO A PIPE;
3.	66°	43'	135.77	FEET TO A PIPE;
4.	156°	43'	50.00	FEET TO THE POINT OF BEGINNING AND CONTAINING AN AREA OF 6,788 SQUARE FEET, MORE OR LESS.

PARCEL SECOND:

BEING A PORTION OF LOT 46 OF THE CLARK TRACT (FILE PLAN 160), AND BEING ALSO A PORTION OF GRANT 4616 TO MARY E. CLARK, SITUATE ON THE SOUTHEAST SIDE OF AVOCADO AVENUE, AT WAHIAWA, OAHU, HAWAII.

BEGINNING AT THE WEST CORNER OF THIS PARCEL OF LAND, AND ON THE SOUTHEAST SIDE OF AVOCADO AVENUE, THE COORDINATES OF SAID POINT OF BEGINNING REFERRED TO GOVERNMENT SURVEY TRIANGULATION STATION "KOKOLOEA" BEING 1,935.75 FEET NORTH AND 4,374.42 FEET EAST, AS SHOWN ON DIVISION OF LAND SURVEY AND ACQUISITION PARCEL MAP FILE NO. 12-8-1-98, AND RUNNING BY AZIMUTHS MEASURED CLOCKWISE FROM TRUE SOUTH:

1.	246°	43'	50.00	FEET ALONG THE SOUTHEAST SIDE OF AVOCADO AVENUE;
2.	336°	43'	50.00	FEET ALONG THE REMAINDER OF LOT 46 OF THE CLARK TRACT (FILE PLAN 160);

3.	66°	43'	50.00	FEET ALONG REMAINDER OF GRANT 4616 TO MARY E. CLARK;
4.	156°	43'	50.00	FEET ALONG REMAINDER OF LOT 46 OF THE CLARK TRACT (FILE PLAN 160) TO THE POINT OF BEGINNING AND CONTAINING AN AREA OF 2,500 SQUARE FEET, MORE OR LESS.

Being all the property conveyed to Grantor by LIMITED WARRANTY DEED recorded August 24, 2010 as Document No. 2010-123258.

SUBJECT, HOWEVER, to the following:

1. Title to all mineral and metallic mines reserved to the State of Hawaii.

2. As to Parcel First:

(a) Any Rights of way and water as were conveyed by Mary E. Clark, et al., to Wahiawa Water Company, Limited, as set forth or disclosed by the Deeds recorded as Book 266 Page 26, and Book 269, Page 2.

(b) The Right to perpetually flood all that portion of said lot below an elevation of 859.83 feet above Mean Sea Level as reserved to the Wahiawa Water Company, Limited, as set forth or disclosed by the Exchange Deed recorded as Book 1273 Page 24.

(c) Terms, provisions, reservations, covenants, conditions and restrictions, but deleting any of the aforementioned indicating a preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status, national origin, sexual orientation, marital status, ancestry, source of income or disability, to the extent such covenants, conditions or restrictions violate Title 42, Section 3604(c), of the United States Codes or Chapter 515 of the Hawaii Revised Statutes, as contained in the Deed recorded as Book 450 Page 140.

3. As to Parcel Second:

(a) A Grant of Easement 15 feet wide, for drainage and right-of-way purposes, in favor of City and County of Honolulu, recorded October 19, 1990 as Regular System Document No. 90-163664.

4. The following matters, as shown on or disclosed by the Survey report and Boundary Survey Map dated July 17, 2013, prepared by Dennis K. Hashimoto, Licensed Professional Land Surveyor Certificate No. 5688 of DJNS Surveying & Mapping, Inc.:

a. The North boundary is evident by:

"1. Building #1 which extends into the Avocado Street right of way by 0.07 ft. to 0.09 ft. for a length of 28.8 ft."

"2. Building #2 which extends into the Avocado Street right of way by 0.41 ft. to 0.42 ft. for a length of 21.2 ft."

"3. Awning which extends into the Avocado Street right of way by 3.33 ft. to 3.36 ft. for a length of 8.0 ft."

"5. Hollow tile wall #1 which extends into the Avocado Street right of way by 0.62 ft."

b. The East boundary is evident by:

"2. Asphaltic concrete pavement which extends into parcel 03 by 6.0 ft. to 5.6 ft. for a length of 30.0 ft."

c. The South boundary is evident by:

"1. Hollow tile wall #2 with chain link fence which extends into parcel 03 by 0.0 ft. to 0.75 ft. and 0.4 ft. to 0.0 ft. for a length of 78.5 ft."

d. The West boundary is evident by:

"1. Building #3 which extends into the subject parcel by 0.1 ft. for a length of 4.7 ft."

TOGETHER WITH all built-in furniture, attached existing fixtures, built-in appliances, water heater, electrical and/or gas and plumbing fixtures, attached carpeting, all of said personal property being situate in or used in connection with the above-described real property. (The aforesaid personal property is conveyed by the Grantor herein "as is" without warranty or representation, express or implied, as to condition or fitness for any purpose whatsoever, and the Grantee, by accepting this Deed does hereby affirm to the Grantor that the Grantee has had opportunity to inspect, and accepts the same "as is".)

END OF EXHIBIT "A"

The EDR Property Tax Report

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786

Inquiry Number: 7957252.6
April 14, 2025

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

The EDR Aerial Photo Decade Package

DLNR DOCARE

525 Avocado St

Wahiawa, HI 96786

Inquiry Number: 7957252.11

April 14, 2025

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/14/25

Site Name:

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786
EDR Inquiry # 7957252.11

Client Name:

Element Environmental , LLC
98-030 Hekaha Street
Aiea, HI 96701-0000
Contact: Angie Peltier

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2022	1"=500'	Flight Date: December 15, 2022	USGS
2017	1"=500'	Flight Date: December 18, 2017	USGS
2011	1"=500'	Flight Date: January 25, 2011	USGS
2006	1"=500'	Flight Date: July 22, 2006	USGS
2001	1"=500'	Acquisition Date: January 01, 2001	USGS/DOQQ
1992	1"=500'	Flight Date: September 25, 1992	USGS
1985	1"=500'	Flight Date: April 29, 1985	USGS
1977	1"=500'	Flight Date: December 13, 1977	USGS
1972	1"=500'	Flight Date: March 18, 1972	USGS
1962	1"=500'	Flight Date: November 02, 1962	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT.

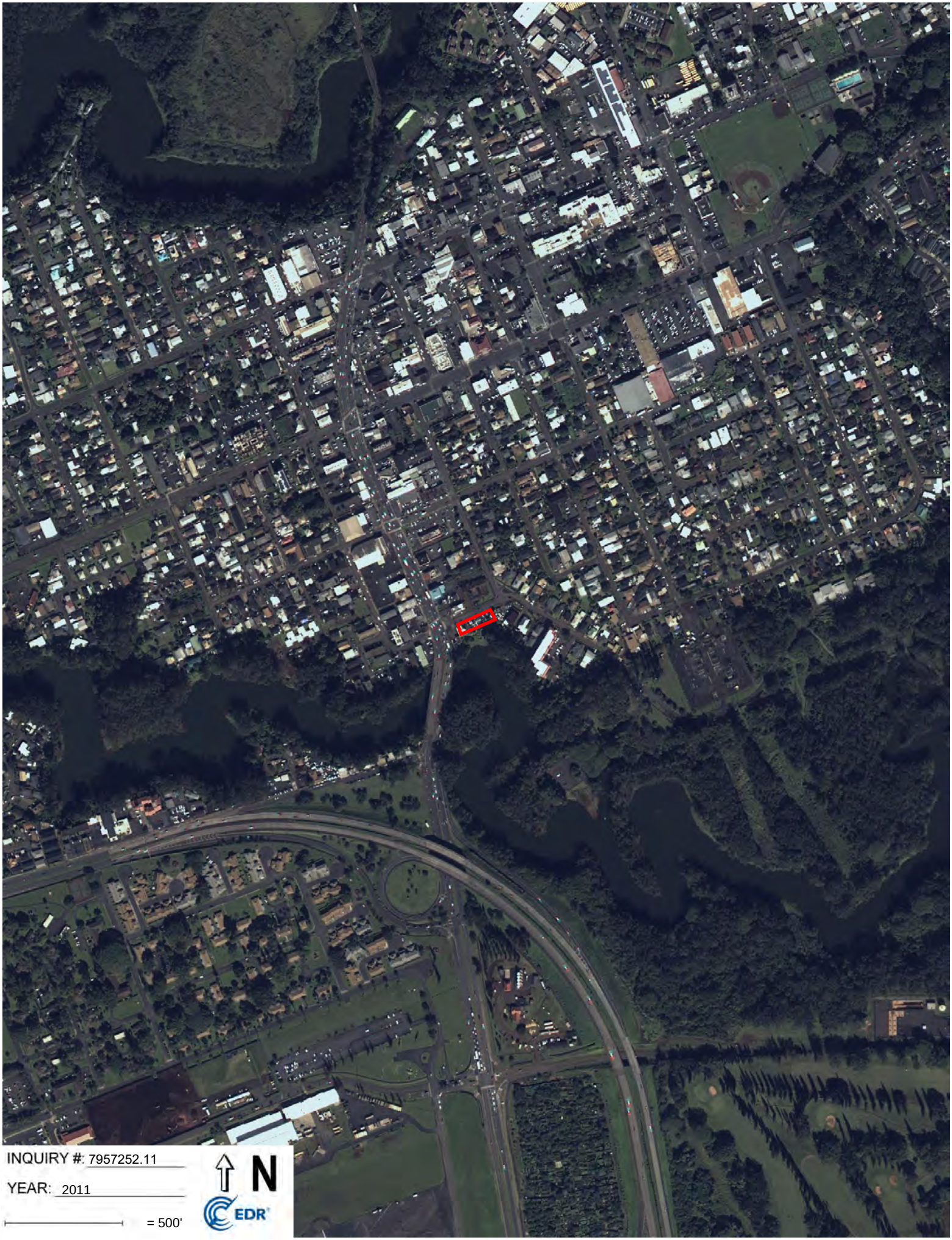
Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2025 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

INQUIRY #: 7957252.11
YEAR: 2022
= 500'
N
EDR

INQUIRY #: 7957252.11
YEAR: 2017
= 500'
N
EDR


INQUIRY #: 7957252.11
YEAR: 2011
= 500'
N
EDR

INQUIRY #: 7957252.11
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 7957252.11
YEAR: 2001
= 500'
N
EDR

INQUIRY #: 7957252.11
YEAR: 1992
= 500'
N
EDR

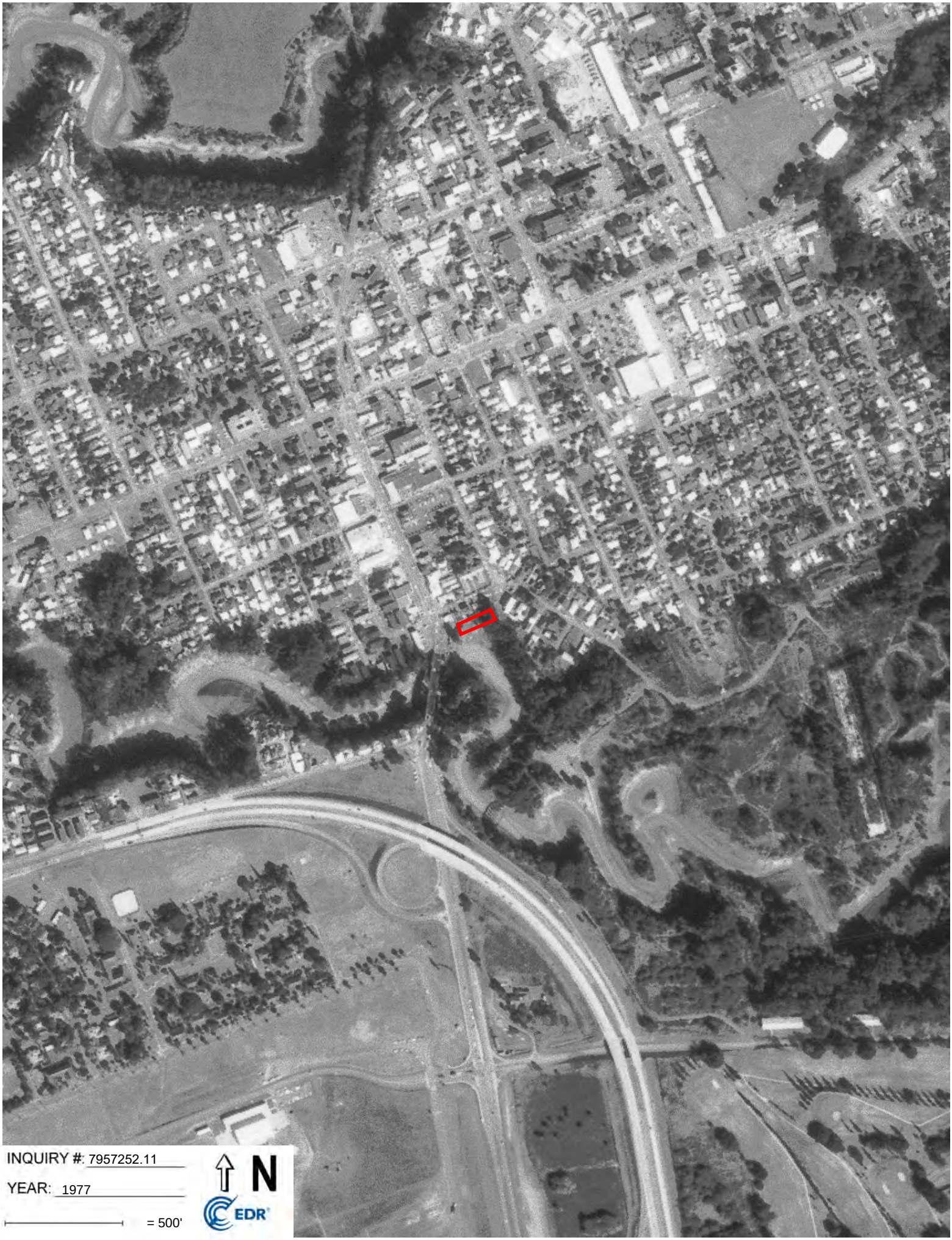
INQUIRY #: 7957252.11

YEAR: 1985

= 500'

N

EDR


INQUIRY #: 7957252.11
YEAR: 1977
= 500'
N
EDR

INQUIRY #: 7957252.11
YEAR: 1972
= 500'
N
EDR

INQUIRY #: 7957252.11

YEAR: 1962

= 500'

N

EDR

EDR Certified Sanborn Map Report

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786

Inquiry Number: 7957252.3
April 14, 2025

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/14/25

Site Name:

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786
EDR Inquiry # 7957252.3

Client Name:

Element Environmental , LLC
98-030 Hekaha Street
Aiea, HI 96701-0000
Contact: Angie Peltier

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Element Environmental , LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 3618-4AD1-A1DA

PO # 250018

Project 250018 DLNR DOCARE

Maps Provided:

1991
1990
1985
1981
1974
1957
1942

Sanborn® Library search results

Certification #: 3618-4AD1-A1DA

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Element Environmental , LLC (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

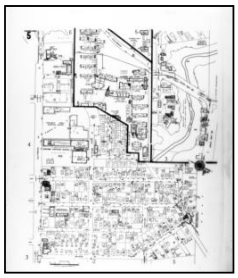
Copyright 2025 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

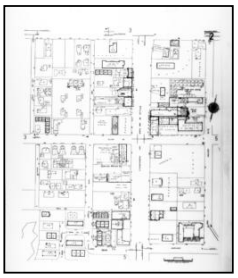
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1991 Source Sheets



Volume 1, Sheet 5
1991



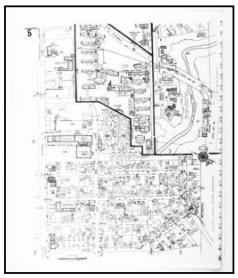
Volume 1, Sheet 2
1991

1990 Source Sheets

Volume 1, Sheet 5
1990

Volume 1, Sheet 2
1990

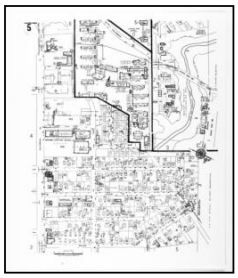
1985 Source Sheets



Volume 1, Sheet 5
1985

Volume 1, Sheet 2
1985

1981 Source Sheets



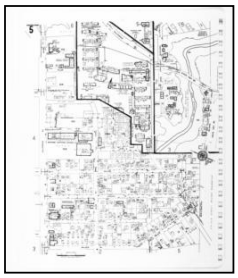
Volume 1, Sheet 5
1981

Volume 1, Sheet 2
1981

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1974 Source Sheets



Volume 1, Sheet 5
1974

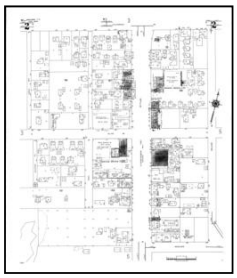
Volume 1, Sheet 2
1974

1957 Source Sheets

Volume 1, Sheet 5
1957

Volume 1, Sheet 2
1957

1942 Source Sheets

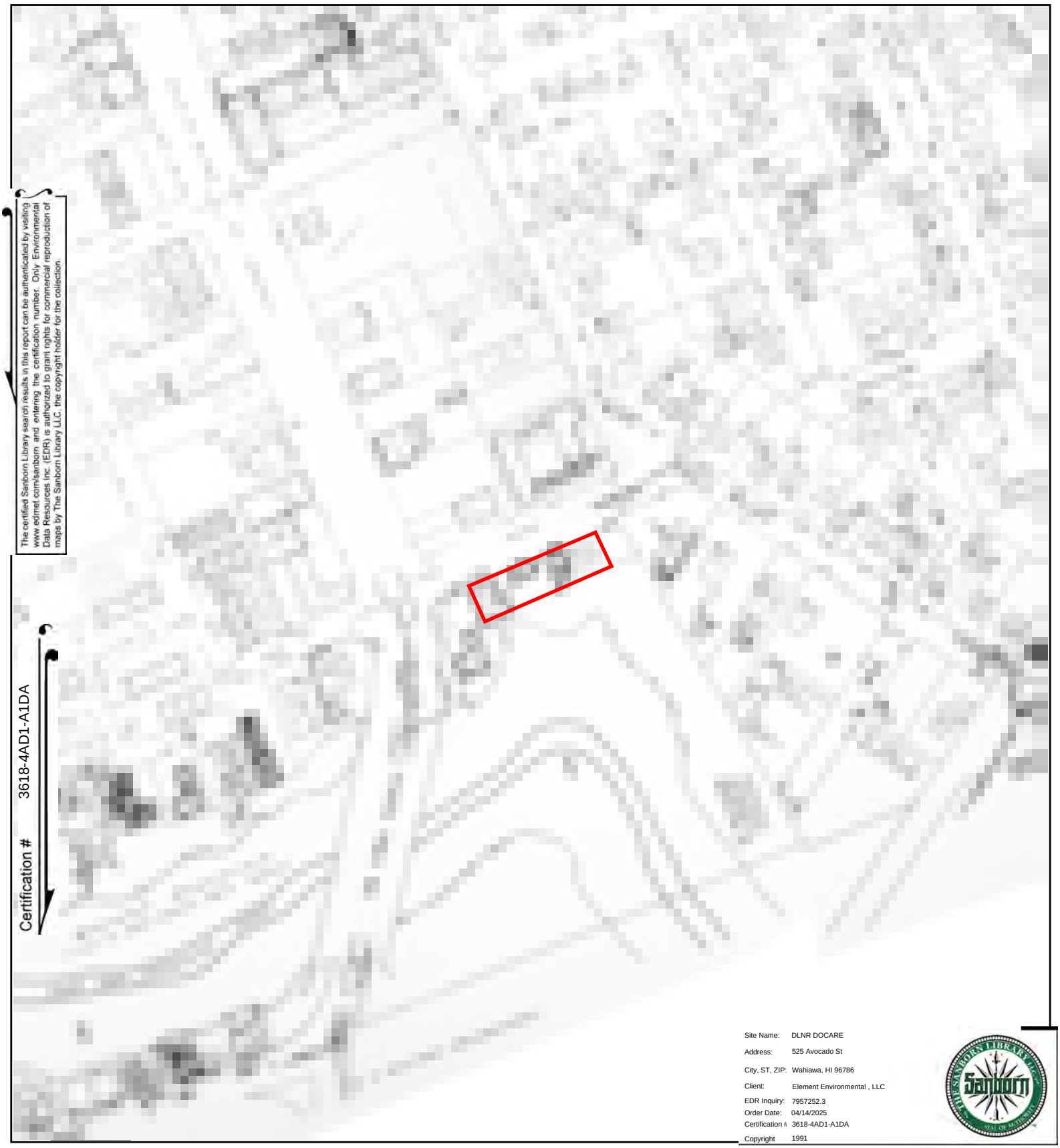


Volume 1, Sheet 2
1942

Volume 1, Sheet 5
1942

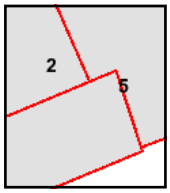
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3618-4AD1-A1DA



Site Name:	DLNR DOCARE
Address:	525 Avocado St
City, ST, ZIP:	Wahiawa, HI 96786
Client:	Element Environmental , LLC
EDR Inquiry:	7957252.3
Order Date:	04/14/2025
Certification #	3618-4AD1-A1DA
Copyright	1991

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



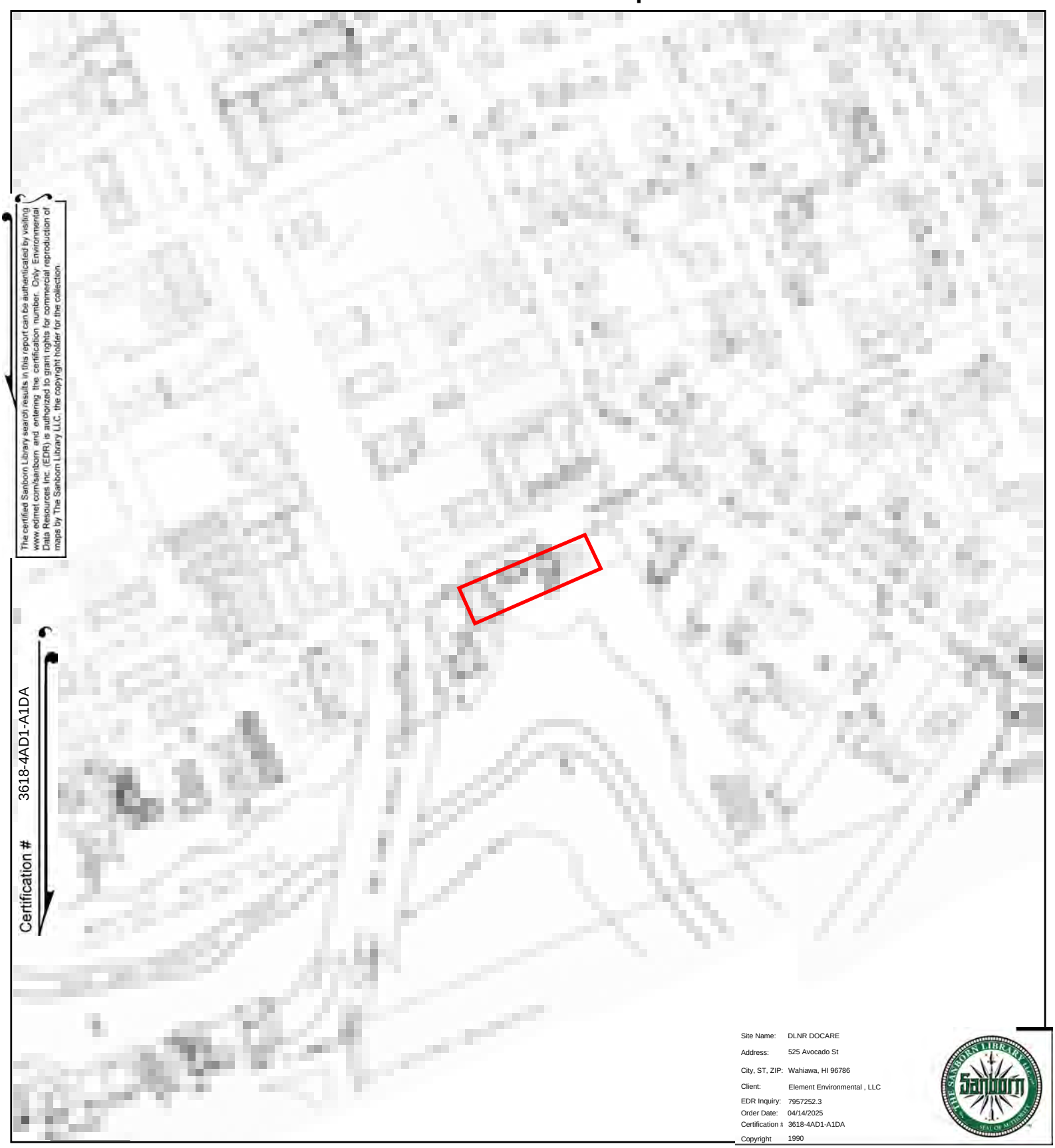
Volume 1, Sheet 2
Volume 1, Sheet 5

0 Feet 150 300 600

N

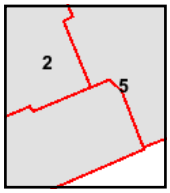
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3618-4AD1-A1DA



Site Name:	DLNR DOCARE
Address:	525 Avocado St
City, ST, ZIP:	Wahiawa, HI 96786
Client:	Element Environmental , LLC
EDR Inquiry:	7957252.3
Order Date:	04/14/2025
Certification #:	3618-4AD1-A1DA
Copyright	1990

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



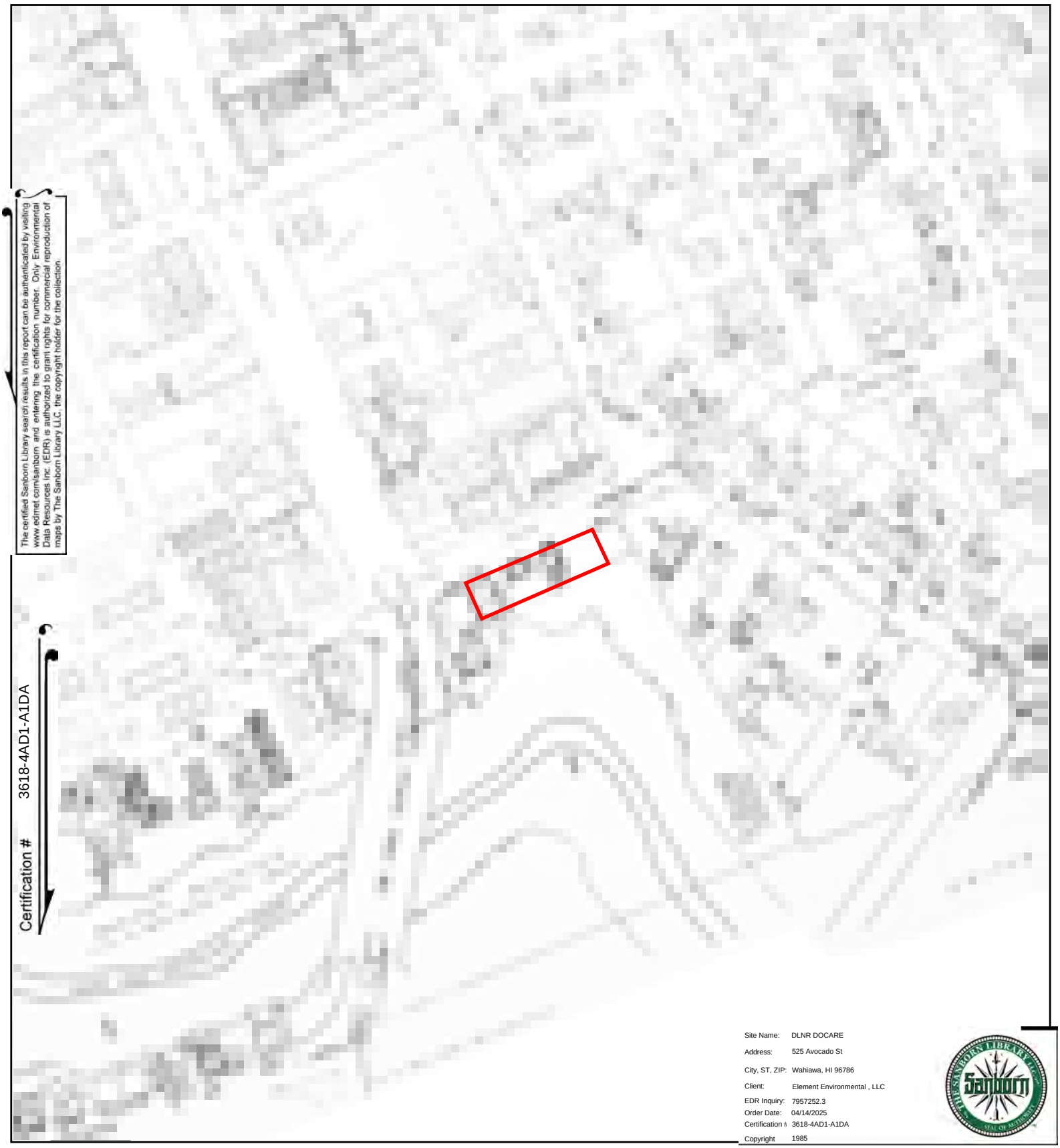
Volume 1, Sheet 2
Volume 1, Sheet 5

0 Feet 150 300 600

N

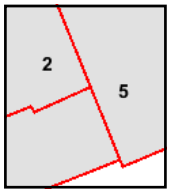
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3618-4AD1-A1DA



Site Name:	DLNR DOCARE
Address:	525 Avocado St
City, ST, ZIP:	Wahiawa, HI 96786
Client:	Element Environmental , LLC
EDR Inquiry:	7957252.3
Order Date:	04/14/2025
Certification #:	3618-4AD1-A1DA
Copyright	1985

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2
Volume 1, Sheet 5

0 Feet 150 300 600

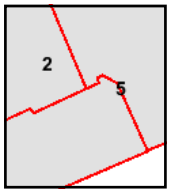
N

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3618-4AD1-A1DA

Site Name:	DLNR DOCARE
Address:	525 Avocado St
City, ST, ZIP:	Wahiawa, HI 96786
Client:	Element Environmental , LLC
EDR Inquiry:	7957252.3
Order Date:	04/14/2025
Certification #:	3618-4AD1-A1DA
Copyright	1981

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2
Volume 1, Sheet 5

0 Feet 150 300 600

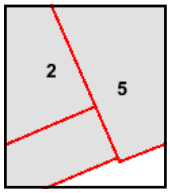
N

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3618-4AD1-A1DA

Site Name:	DLNR DOCARE
Address:	525 Avocado St
City, ST, ZIP:	Wahiawa, HI 96786
Client:	Element Environmental , LLC
EDR Inquiry:	7957252.3
Order Date:	04/14/2025
Certification #:	3618-4AD1-A1DA
Copyright	1974

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



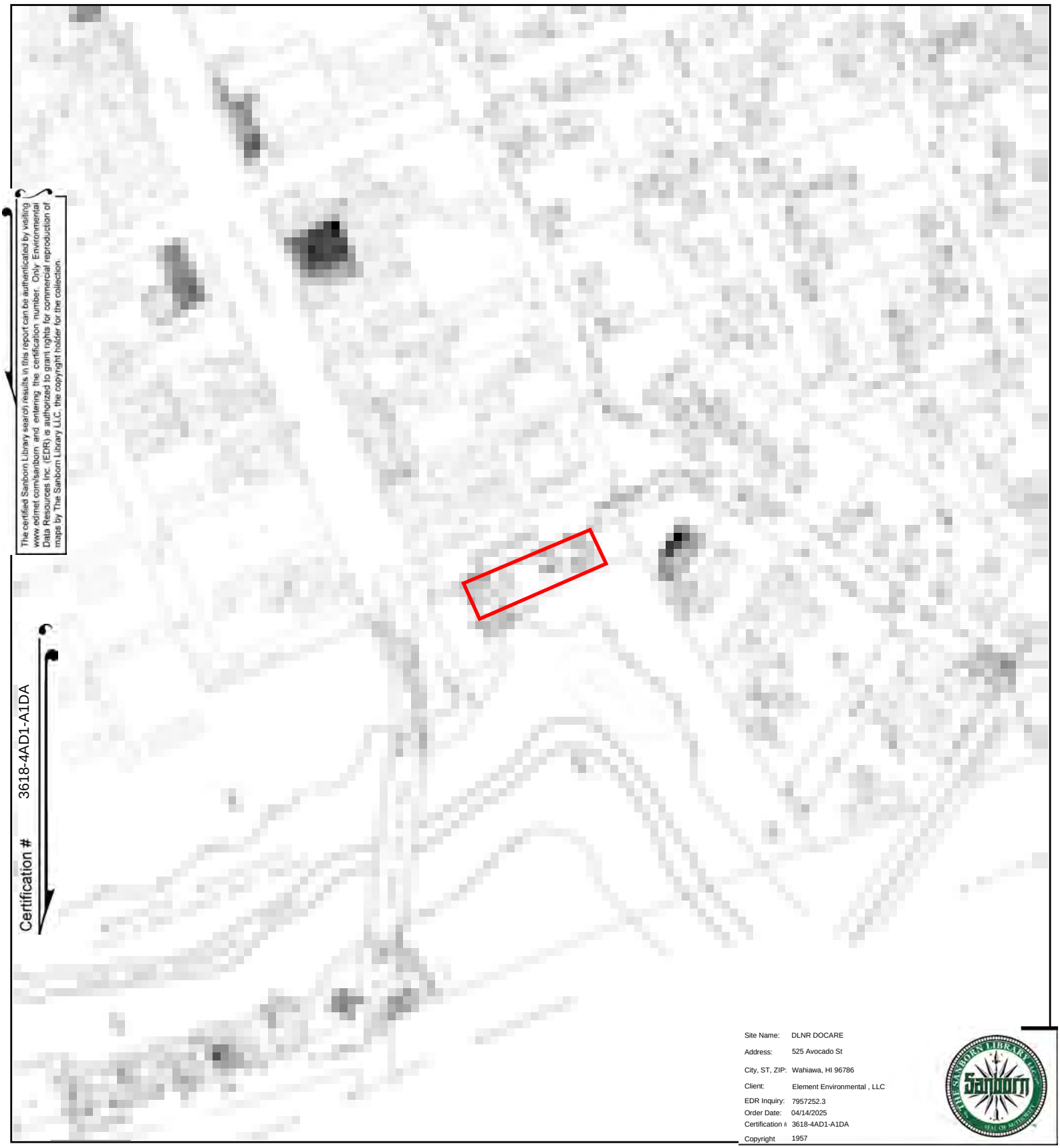
Volume 1, Sheet 2
Volume 1, Sheet 5

0 Feet 150 300 600

N

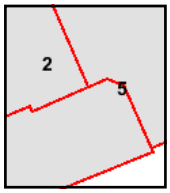
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3618-4AD1-A1DA



Site Name:	DLNR DOCARE
Address:	525 Avocado St
City, ST, ZIP:	Wahiawa, HI 96786
Client:	Element Environmental , LLC
EDR Inquiry:	7957252.3
Order Date:	04/14/2025
Certification #:	3618-4AD1-A1DA
Copyright	1957

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2
Volume 1, Sheet 5

0 Feet 150 300 600

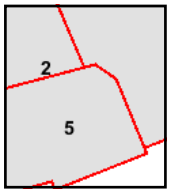
N

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3618-4AD1-A1DA

Site Name: DLNR DOCARE
Address: 525 Avocado St
City, ST, ZIP: Wahiawa, HI 96786
Client: Element Environmental , LLC
EDR Inquiry: 7957252.3
Order Date: 04/14/2025
Certification #: 3618-4AD1-A1DA
Copyright 1942

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 5
Volume 1, Sheet 2

0 Feet 150 300 600

N

EDR Historical Topo Map Report with QuadMatch™

DLNR DOCARE

525 Avocado St

Wahiawa, HI 96786

Inquiry Number: 7957252.4

April 14, 2025

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/14/25

Site Name:	Client Name:
DLNR DOCARE	Element Environmental , LLC
525 Avocado St	98-030 Hekaha Street
Wahiawa, HI 96786	Aiea, HI 96701-0000
EDR Inquiry # 7957252.4	Contact: Angie Peltier

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Element Environmental , LLC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	250018	**Latitude:**	21.493146 21° 29' 35" North
Project:	250018 DLNR DOCARE	**Longitude:**	-158.027957 -158° 1' 41" West
		UTM Zone:	Zone 4 North
		UTM X Meters:	600691.28
		UTM Y Meters:	2377040.01
		Elevation:	865.76' above sea level

Maps Provided:

2017	1953, 1954
2013	1929
1998, 1999	
1983	
1977	
1970	
1966, 1967, 1968	
1959, 1960	

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2025 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2017 Source Sheets

Schofield Barracks
2017
7.5-minute, 24000

Waipahu
2017
7.5-minute, 24000

Haleiwa
2017
7.5-minute, 24000

Hauula
2017
7.5-minute, 24000

2013 Source Sheets

Schofield Barracks
2013
7.5-minute, 24000

Waipahu
2013
7.5-minute, 24000

Haleiwa
2013
7.5-minute, 24000

Hauula
2013
7.5-minute, 24000

1998, 1999 Source Sheets

Waipahu
1998
7.5-minute, 24000
Aerial Photo Revised 1998

Schofield Barracks
1998
7.5-minute, 24000
Aerial Photo Revised 1998

Haleiwa
1999
7.5-minute, 24000
Aerial Photo Revised 1999

1983 Source Sheets

Hauula
1983
7.5-minute, 24000
Aerial Photo Revised 1977

Waipahu
1983
7.5-minute, 24000
Aerial Photo Revised 1978

Schofield Barracks
1983
7.5-minute, 24000
Aerial Photo Revised 1977

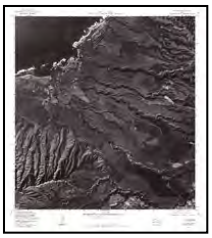
Haleiwa
1983
7.5-minute, 24000
Aerial Photo Revised 1977

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1977 Source Sheets

Schofield Barracks
1977
7.5-minute, 24000
Aerial Photo Revised 1977



Haleiwa
1977
7.5-minute, 24000
Aerial Photo Revised 1977

Hauula
1977
7.5-minute, 24000
Aerial Photo Revised 1977

1970 Source Sheets

OAHU
1970
15-minute, 62500

1966, 1967, 1968 Source Sheets

Hauula
1966
7.5-minute, 24000
Aerial Photo Revised 1952

Schofield Barracks
1967
7.5-minute, 24000
Aerial Photo Revised 1952

Waipahu
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1959, 1960 Source Sheets

Waipahu
1959
7.5-minute, 24000
Aerial Photo Revised 1959

Haleiwa
1960
7.5-minute, 24000
Aerial Photo Revised 1952

Schofield Barracks
1960
7.5-minute, 24000
Aerial Photo Revised 1952

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953, 1954 Source Sheets

Haleiwa
1953
7.5-minute, 24000

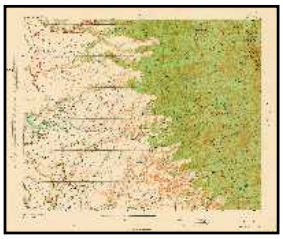
Schofield Barracks
1953
7.5-minute, 24000
Aerial Photo Revised 1952

Waipahu
1954
7.5-minute, 24000
Aerial Photo Revised 1952

Hauula
1954
7.5-minute, 24000
Aerial Photo Revised 1952

HONOLULUVICINITYNORTH
1954
7.5-minute, 24000

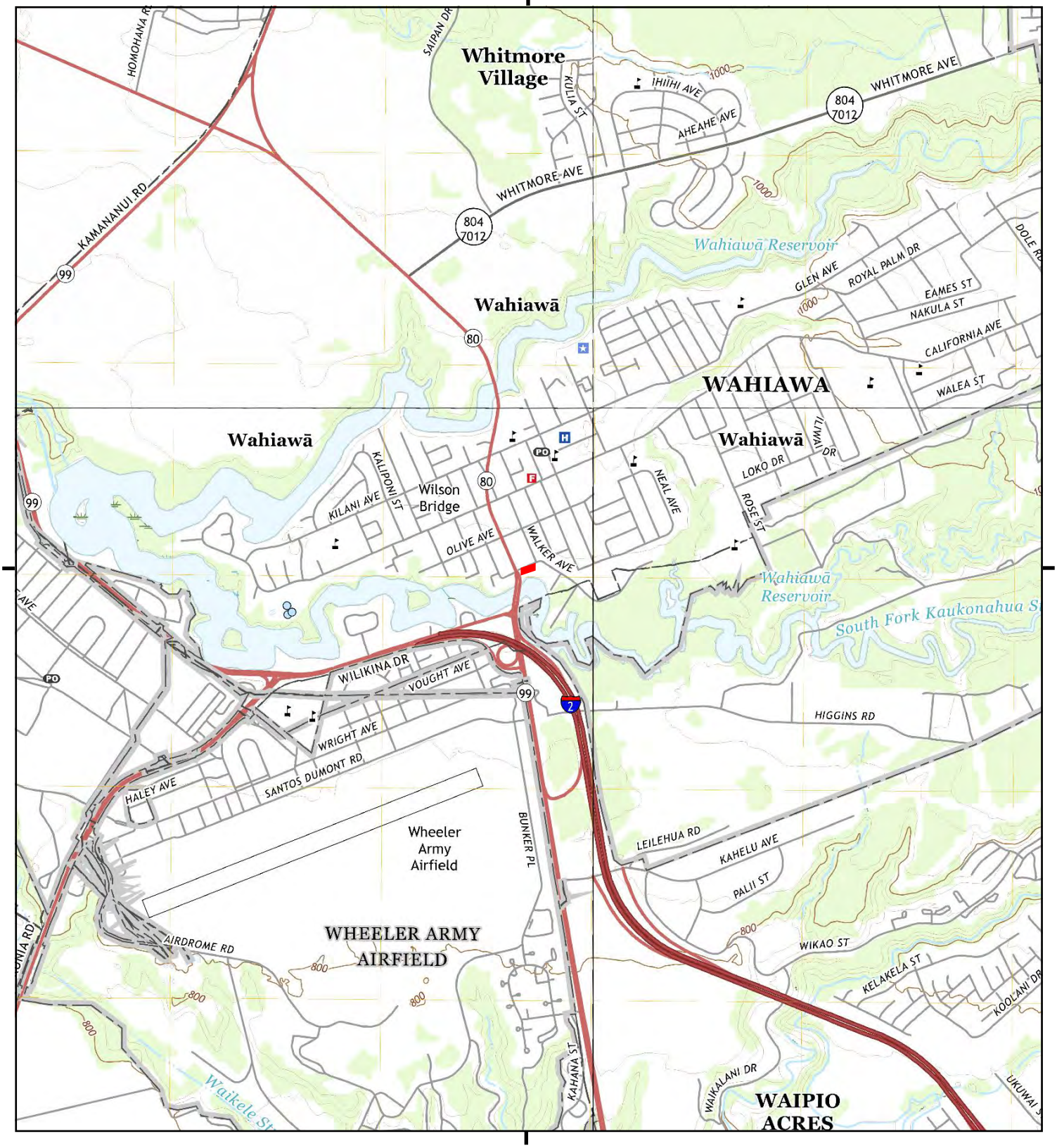
1929 Source Sheets



WAHIAWA
1929
7.5-minute, 20000

Historical Topo Map

2017



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

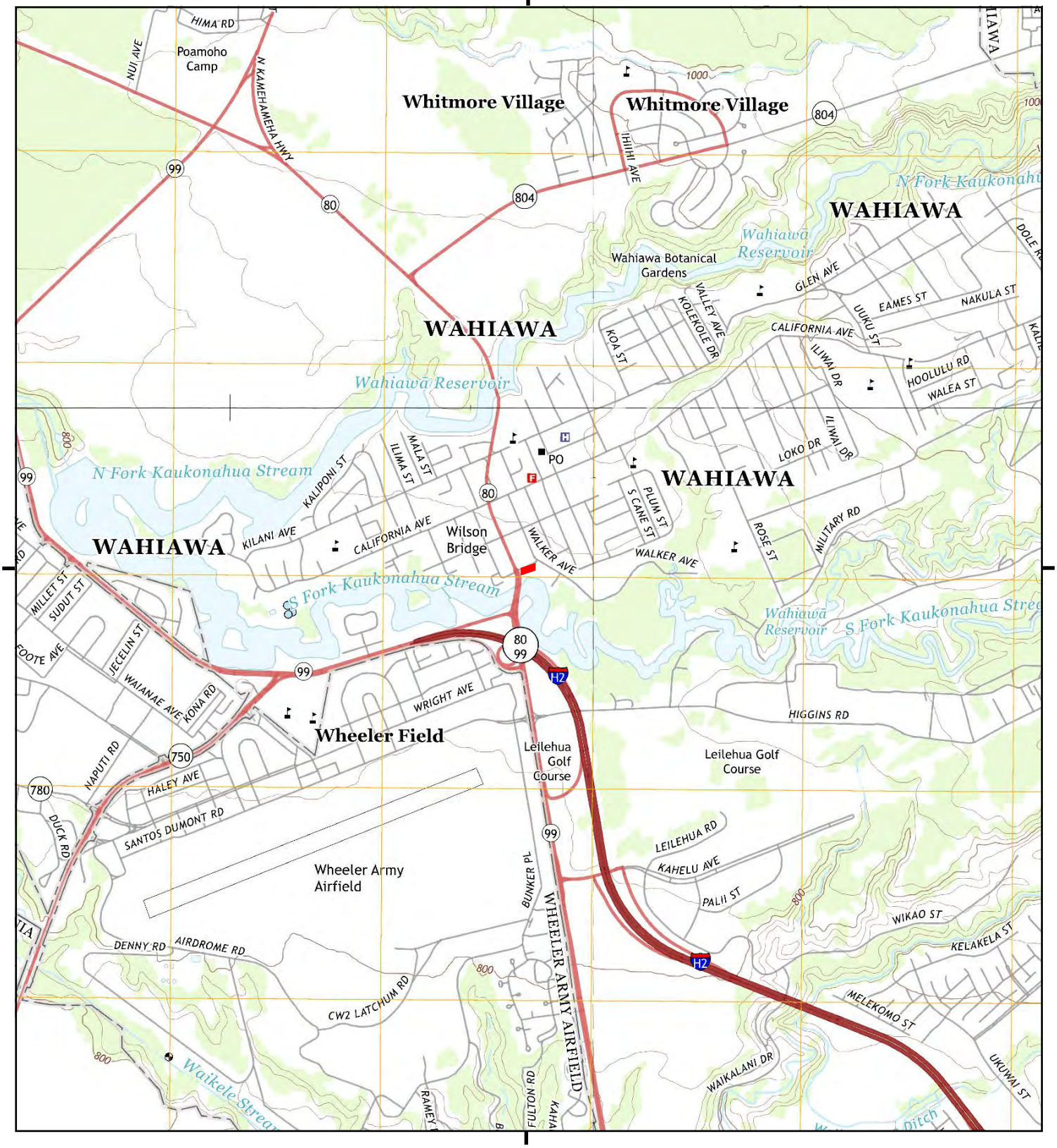
TP, Schofield Barracks, 2017, 7.5-minute
NE, Hauula, 2017, 7.5-minute
SE, Waipahu, 2017, 7.5-minute
NW, Haleiwa, 2017, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N

Historical Topo Map

2013



This report includes information from the following map sheet(s).

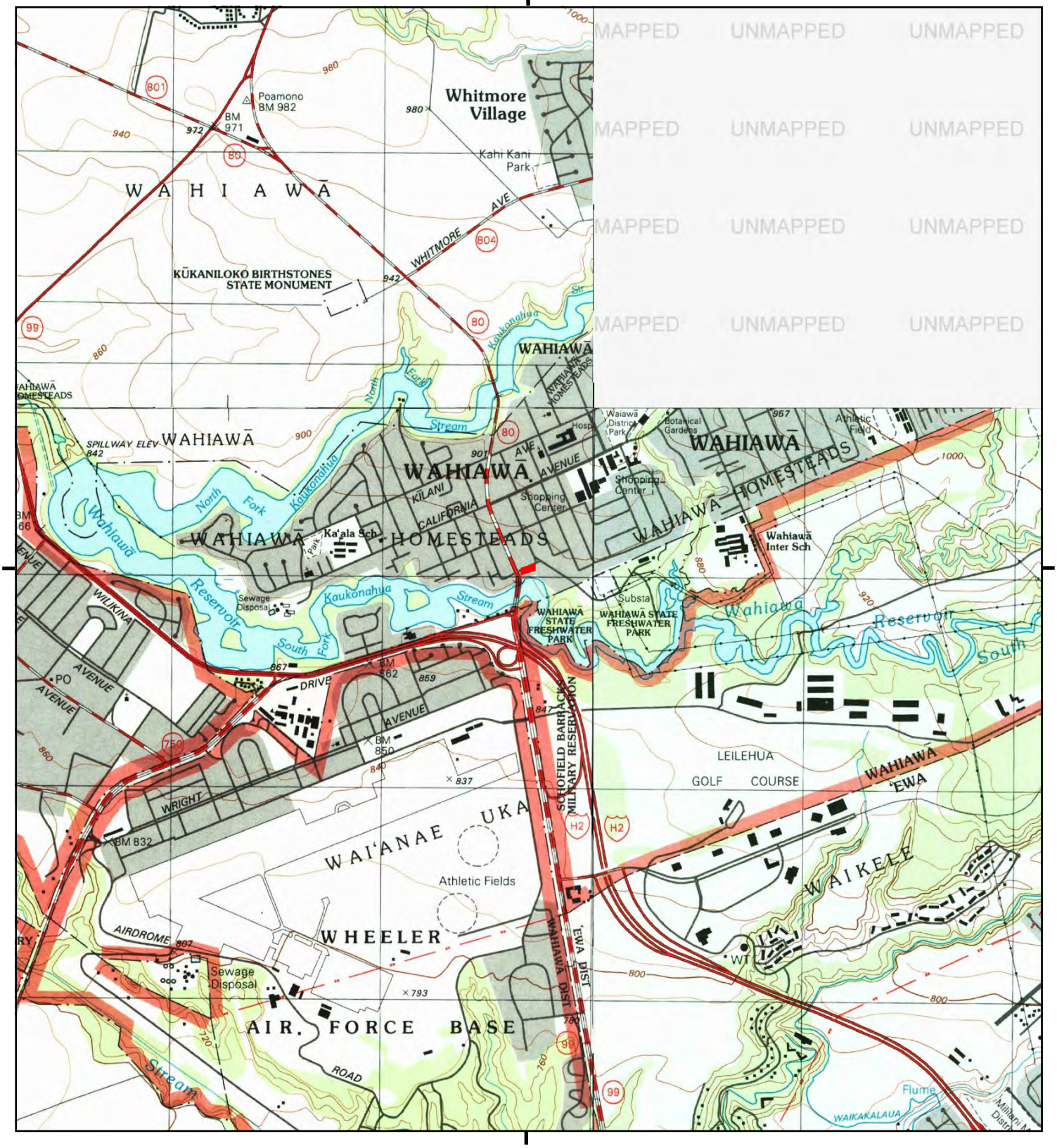
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Schofield Barracks, 2013, 7.5-minute
NE, Hauula, 2013, 7.5-minute
SE, Waipahu, 2013, 7.5-minute
NW, Haleiwa, 2013, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N



This report includes information from the following map sheet(s).

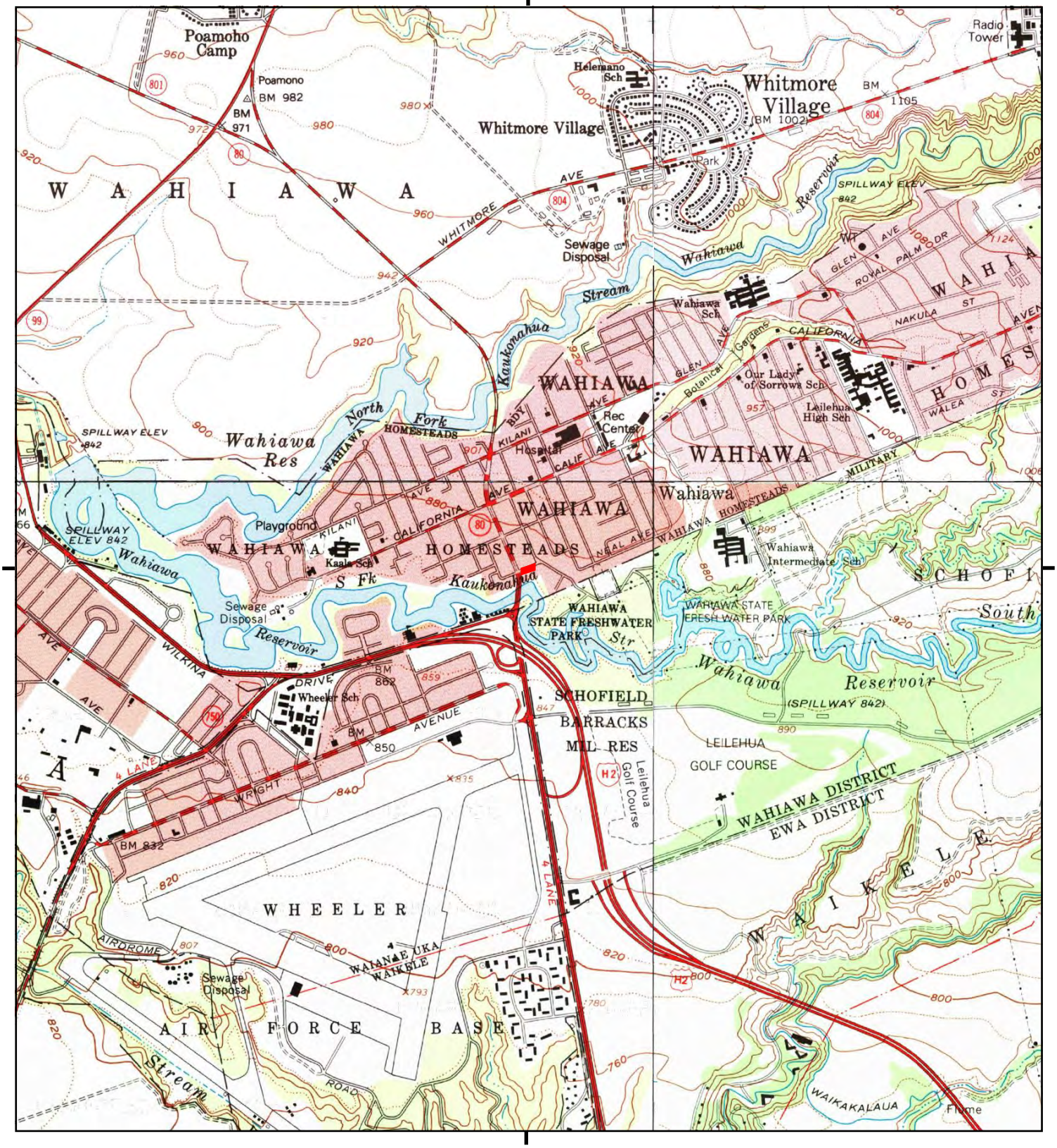
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Schofield Barracks, 1998, 7.5-minute
SE, Waipahu, 1998, 7.5-minute
NW, Haleiwa, 1999, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

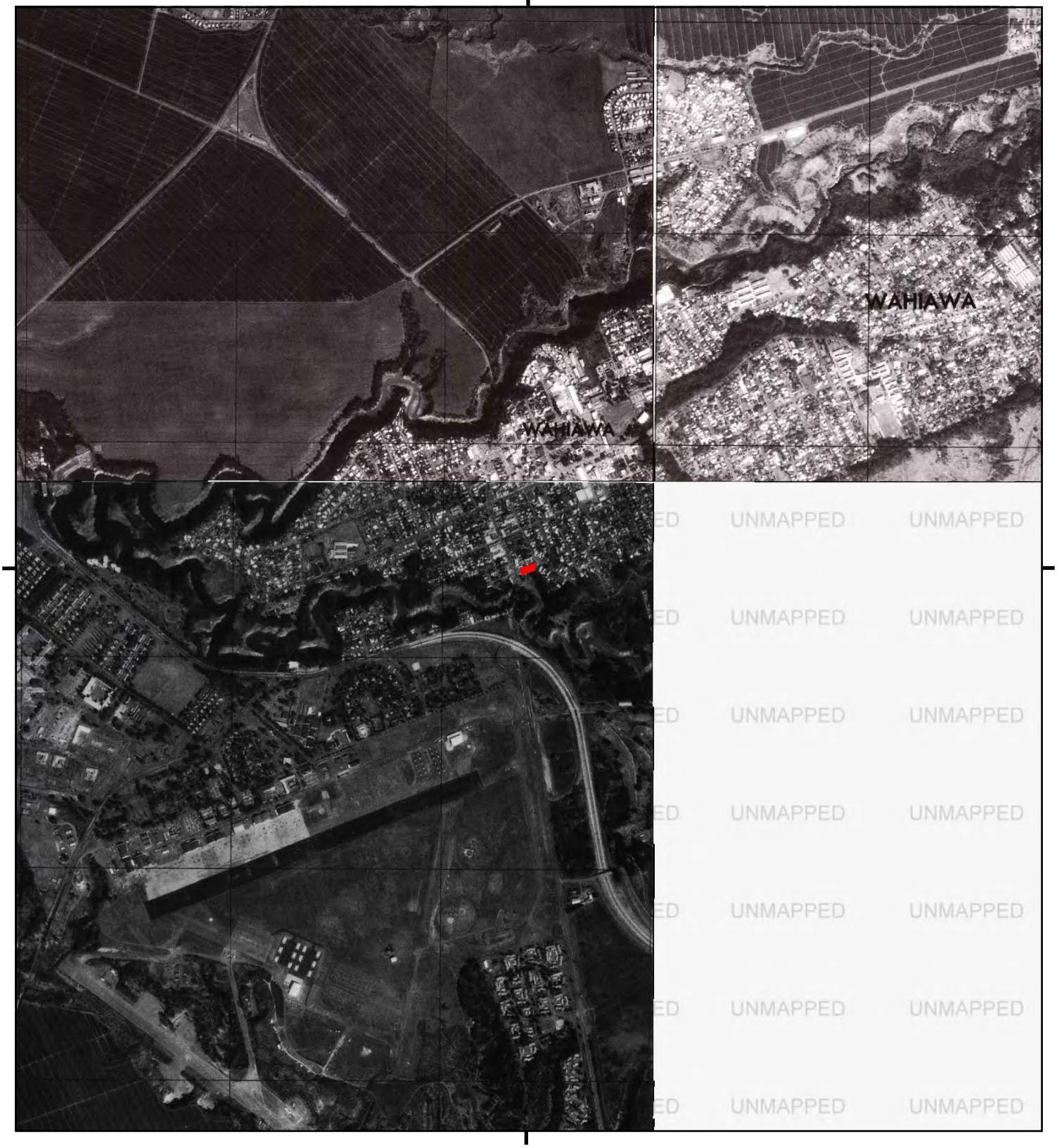
TP, Schofield Barracks, 1983, 7.5-minute
NE, Hauula, 1983, 7.5-minute
SE, Waipahu, 1983, 7.5-minute
NW, Haleiwa, 1983, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N

Historical Topo Map

1977



This report includes information from the following map sheet(s).

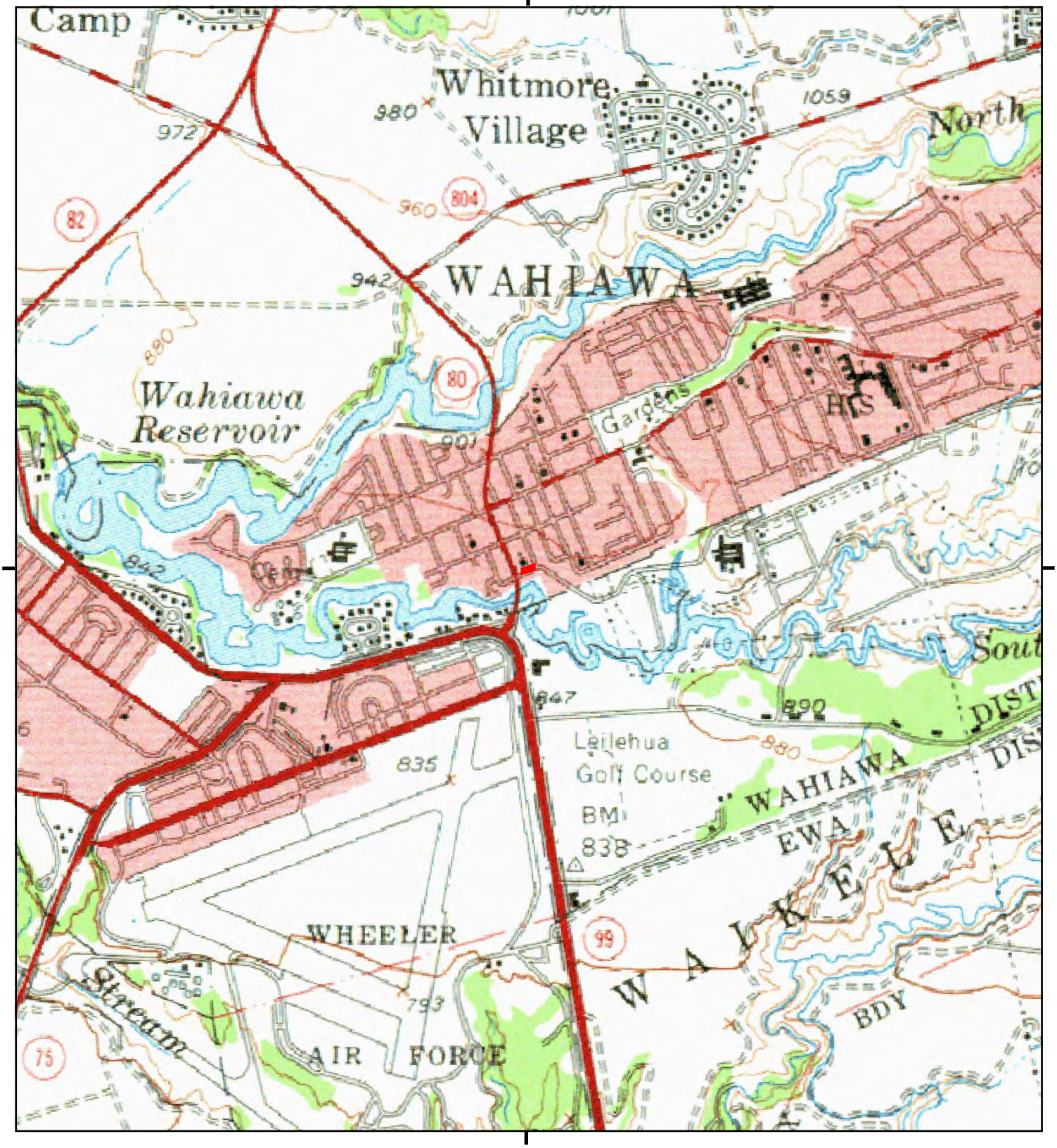
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Schofield Barracks, 1977, 7.5-minute
NE, Hauula, 1977, 7.5-minute
NW, Haleiwa, 1977, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N



This report includes information from the following map sheet(s).

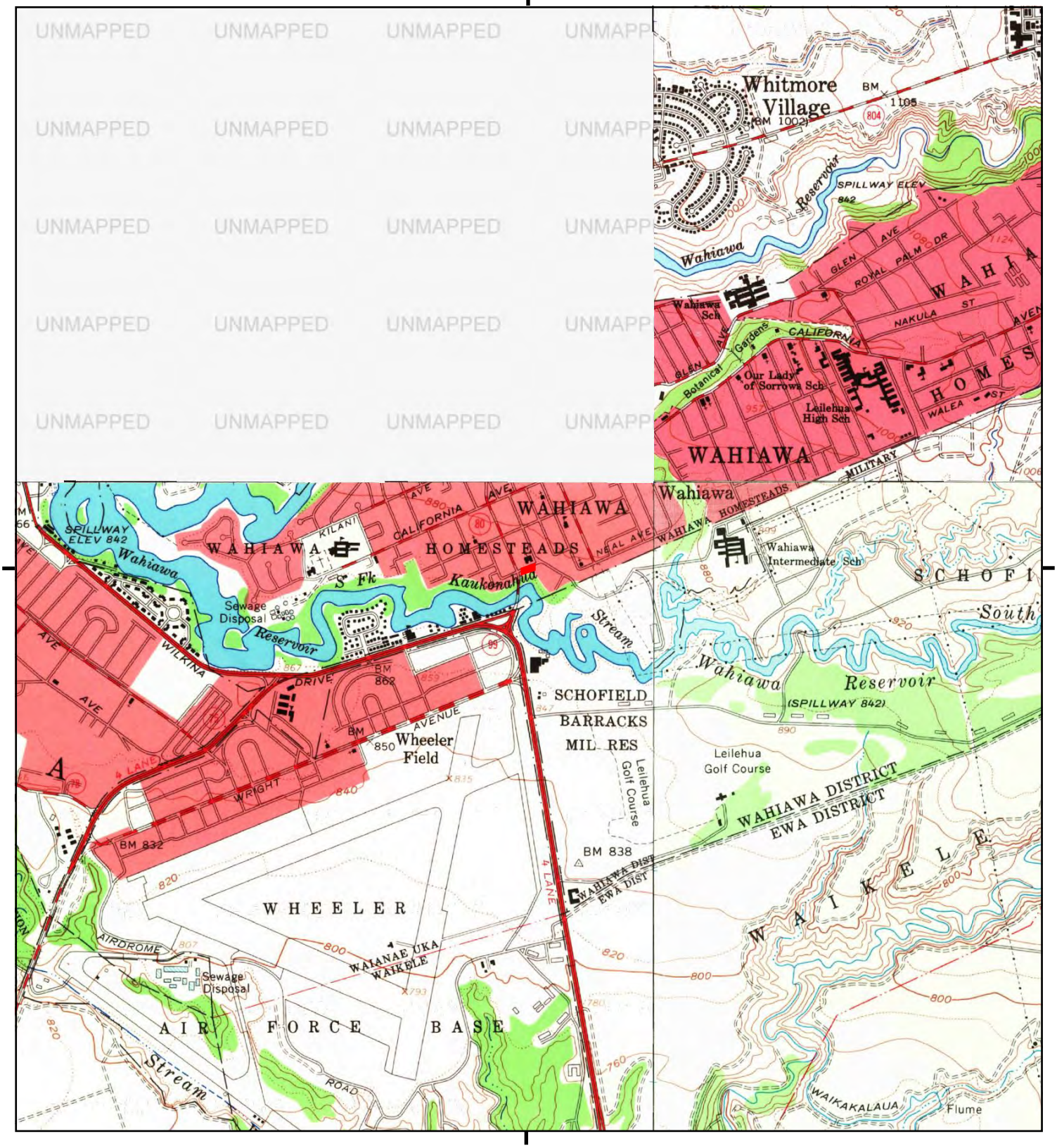
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

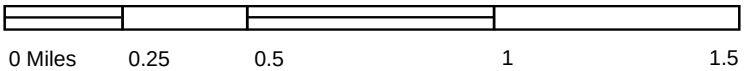
TP, OAHU, 1970, 15-minute

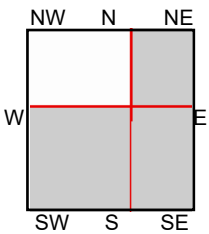
SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N



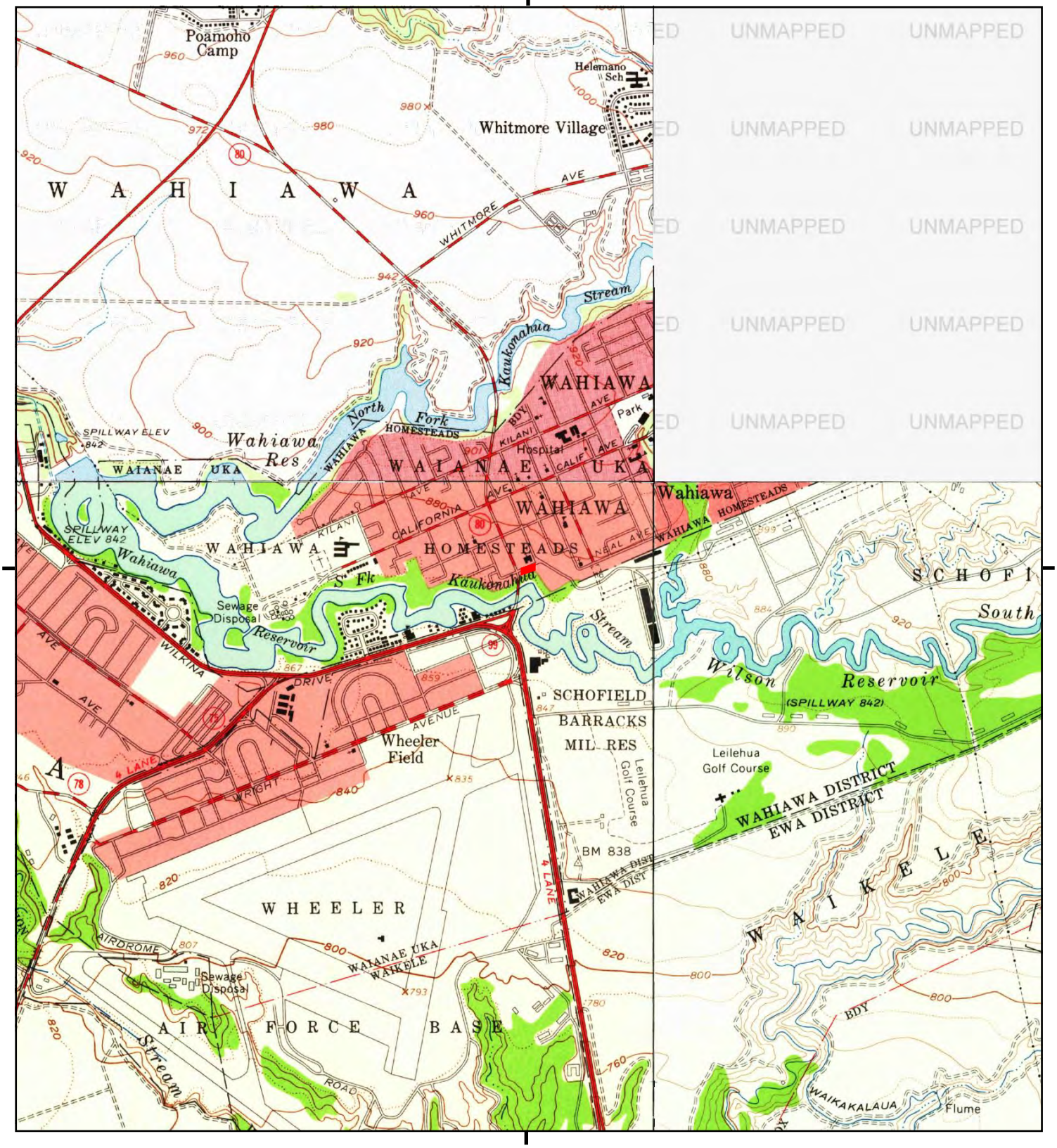
This report includes information from the following map sheet(s).





TP, Schofield Barracks, 1967, 7.5-minute
NE, Hauula, 1966, 7.5-minute
SE, Waipahu, 1968, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC



This report includes information from the following map sheet(s).

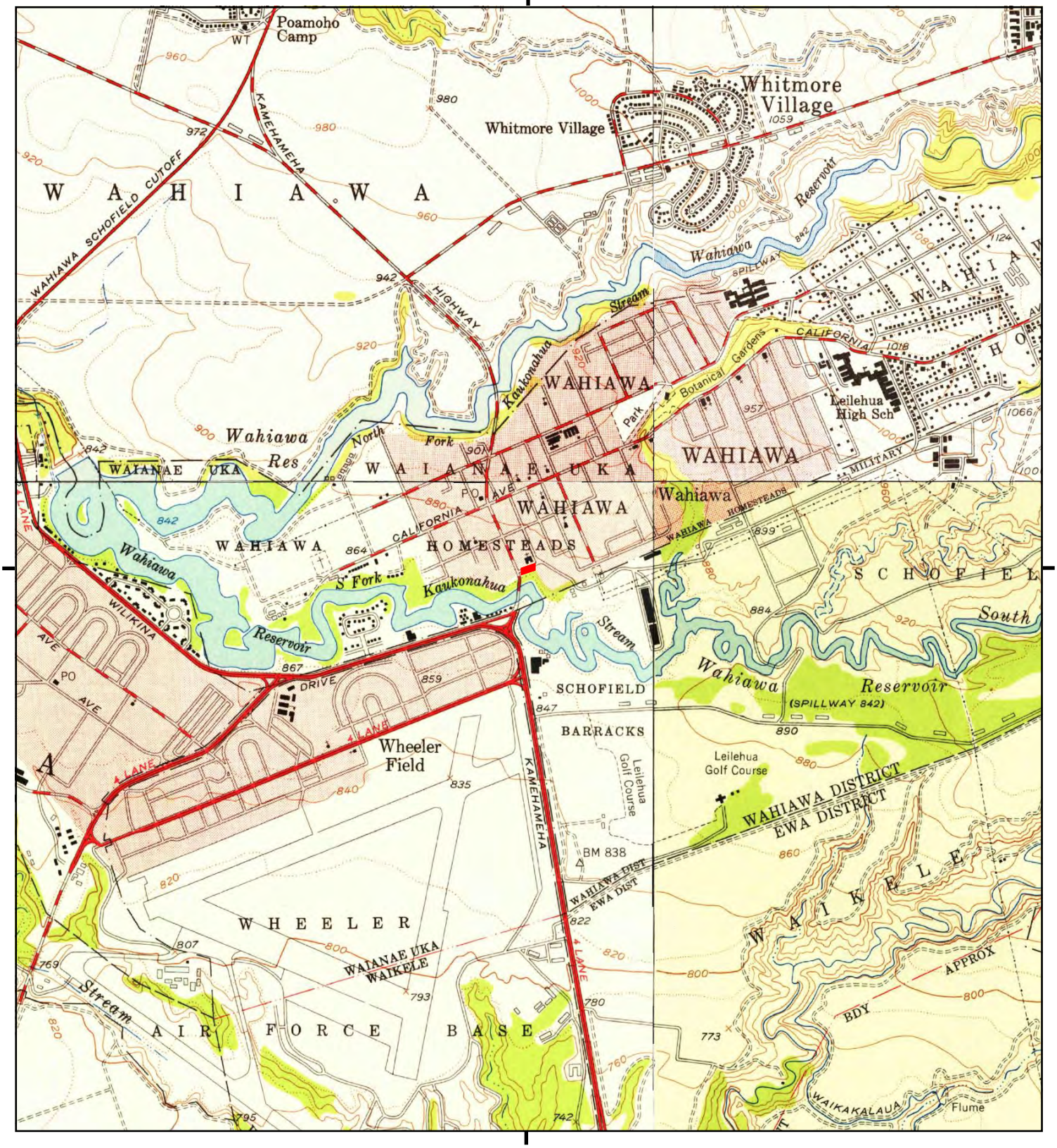
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Schofield Barracks, 1960, 7.5-minute
SE, Waipahu, 1959, 7.5-minute
NW, Haleiwa, 1960, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N



This report includes information from the following map sheet(s).

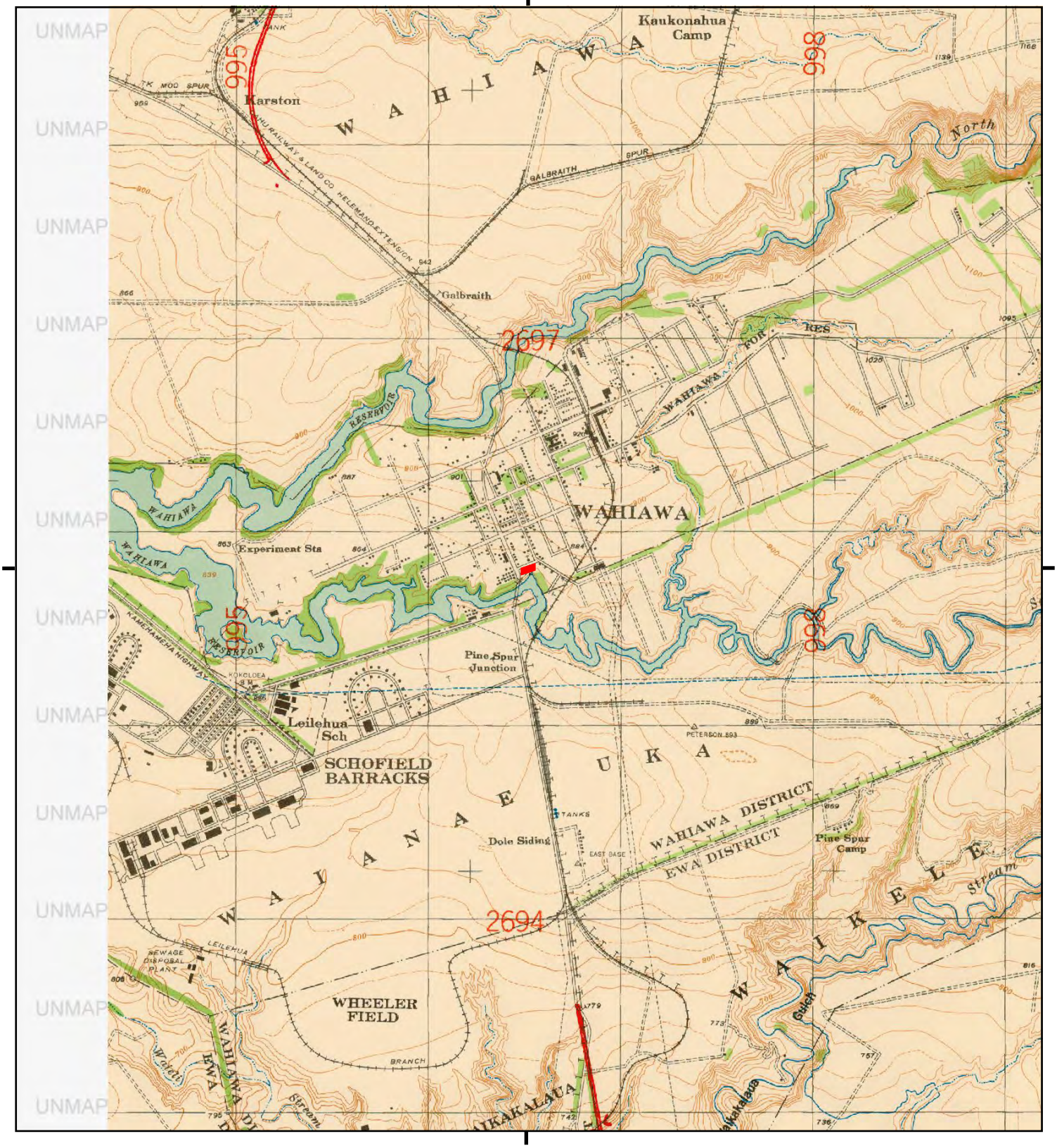
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Schofield Barracks, 1953, 7.5-minute
NE, Hauula, 1954, 7.5-minute
E, HONOLULUVICINITYNORTH, 1954, 7.5-minute
SE, Waipahu, 1954, 7.5-minute
NW, Haleiwa, 1953, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, WAHIAWA, 1929, 7.5-minute

SITE NAME: DLNR DOCARE
ADDRESS: 525 Avocado St
Wahiawa, HI 96786
CLIENT: Element Environmental , LLC

N

The EDR-City Directory Image Report

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786

Inquiry Number: 7957252.5
April 16, 2025

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information

FINDINGS

TARGET PROPERTY STREET

525 Avocado St
Wahiawa, HI 96786

Year	*CD Image*	*Source*
AVOCADO ST		
2020	pg A1	EDR Digital Archive
2017	pg A6	Cole Information
2014	pg A9	Cole Information
2010	pg A13	Cole Information
2005	pg A17	Cole Information
2000	pg A26	Cole Information
1995	pg A29	Cole Information
1992	pg A33	Cole Information

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
S KAMEHAMEHA HWY		
2020	pg. A2	EDR Digital Archive
2017	pg. A7	Cole Information
2014	pg. A10	Cole Information
2010	pg. A14	Cole Information
2005	pg. A18	Cole Information
2000	pg. A27	Cole Information
1995	pg. A30	Cole Information
1992	pg. A34	Cole Information
WALKER AVE		
2020	pg. A4	EDR Digital Archive
2017	pg. A8	Cole Information
2014	pg. A11	Cole Information
2010	pg. A15	Cole Information
2005	pg. A24	Cole Information
2000	pg. A28	Cole Information
1995	pg. A31	Cole Information
1992	pg. A35	Cole Information

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

AVOCADO ST 2020

505	OOGP
525	DYON NAKAMURA
	R G S LTD INC
	WILIAM GUALDARAMA
535	CHRISTINE KOAHOU
538	CHURCH OF JESUS CHRIST OF LDS
567	ISLAND POWER HAWAII INC
658	JOY KUWABARA
	SCOTT KUWABARA
669	TERESA CHAVIER
672	HELEN AKAGI
	JANNE AKAGI
	WALLACE AKAGI
680	JOYCE NISHIMURA
	KI NISHIMURA
	KIMIKO NISHIMURA
	RALPH NISHIMURA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S KAMEHAMEHA HWY 2020

1	LANDMARK BUILDERS INC
10	SELECT AUTO GROUP LLC
11	ATM
	JACK IN THE BOX
23	MARGARET WALKER
	NAILS MAX
	STEPHANIE PICKETT
30	WENDY'S
35	SANTOLOCO LLC
43	RANDY NUNES
	STN VINTAGE HAWAII
	WOW WOW LEMONADE WAHIAWA
55	CHARIS BAUER
	LUCY SMITTEN
58	WAHIAWA AUTOMOTIVE
70	COMMUNICATION STATION LLC
	JOEL HIMELHOCH
	JOHN KIMBALL
	MAES BRIANNA
74	NEW LIFE BODY OF CHRIST CHURCH
90	ALBERT'S DRY CLEANERS INC
	ANH NELSON
	EL'GANT ALTERATIONS
	PETER NELSON
96	MAUI MIKE'S
98	BETHANY KOREAN UNITED MTHDST
105	ARVID GALBRAITH
	CHARISSE LUKE
	KEITH MC NAMARA
	KIM ARIAS
114	MC DONALD'S
135	BLUE RHINO
	REDBOX
	WALGREENS
	WESTERN UNION AGENT LOCATION
138	ANDREW LEE
	ATM
	L & L DRIVE-INN
	WINNIE CHENG
146	ATM
	MARK MASAKI
	TACO BELL
153	PAPA JOHN'S PIZZA
	TED TSAKIRIS
	TEDDY'S BIGGER BURGERS
167	DALE MCSHANE
	OHANA ENTERPRISES LLC
	TAKANO STORE LLC
	VINEYARD INVESTMENT REALTY LLC
174	GRANT KAMISUGI

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

S KAMEHAMEHA HWY 2020 (Cont'd)

174	JUDY'S FLOWERS INC
176	ASAP SPECIALIST INC
	ATM
177	EL PALENQUE
	RISING TIDE ART STUDIO LLC
	RISING TIDE TATTOO LLC
	ROYALTEE
178	ESTELITA MARAVILLOSA
187	MILILANI AUTO PARTS
198	ATM
	AVOCADO PAWN
	GOODIES MARKET
	JESSES MINI MART INC
203	EXOTIC NAILS
	HI-TECH SPORTS INC
	JACKSON HEWITT TAX SVC
217	ALOHA TERMITE & PEST CONTROL
230	SUNSET SMOKEHOUSE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

WALKER AVE 2020

34	MARIE DACE
	ROGER TEJADA
44	GEORGE AMAYA
54	FERDINAND GUDOY
	PETER DESAULNIERS
55	AGNES ALBIOS
	ALVIN ALAOIG
	ARDIE KEPOO
	CAROLIN JOASH
	CASSANDRA KANOA
	CHRISTIAN ABAS
	CHRISTOPHER JAMES
	DARRA OLSEN
	DONNATE KOSTRON
	EIDA GLENTZ
	GARY TAKAHASHI
	IKAIKA STROME
	JASON UZZLE
	LAURIE HERODIES
	MARK MAGEARY
	MELONIE GERMANO
	MICHAEL FURNELL
	MICHAEL MARTIN
	SAMUEL NAMAKAEHA
	STELLA JACANG-KEPO'O
	TIMOTHY KIEHLMEIER
	U R SVC
64	FAYE EUM
	KATHERINE EUM
	MAURICE EUM
65	CAROLYN PACE DESIGN LLC
	JUANITA'S BEAUTY SALON
74	AR-JAY CORPUZ
84	CARLA SOROTEN
	CONSOLATI SANTODOMINGO
	EUGENE SOROTEN
	JERRY SOROTEN
85	ANDY BARBER SHOP
104	MELITONRYCHELL UGALDE
120	CHERYL ITO
	JON ITO
	LETTY ITO
129	DONALD CATTELL
134	JUANITA ITO
	RYAN ITO
144	JAN ONO
	KAVIN HIRATA
149	GENE LAU
	LANI TOM
	THEODORE TOM

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

WALKER AVE 2020 (Cont'd)

149	XAVIER LUCIO
153	TAEHOON KIM
	THEODORE TOM
154	HEIDI MAXWELL
	RUDY AGUNIAS
165	HENRY TANJI
168	VIRGINIA SHINDO
178	ANTHONY CATAO
	ELIZABETH TOKI
	MARSHALL TOKI
	RICHARD SHIMAMOTO
196	ELAINE OGAWA
212	ESITINA RAASS
216	DELFIN SALDAJENO
	PATRICIA LUCERO
	TRISHA SALDAJENO
232	FREIDA PACLEB
	VERONICA DAOANG
233	DARSHAWN VAUGHN
244	BABYLYN PANGANIBAN
	VICTOR PANGANIBAN
248	CHRIS AMIAN
	DANIEL AMIAN
	MYONG AMIAN
251	JUNE KASAOKA
	SHARON CASIANO
258	ROBERT CABANA
280	JES FOSTER
	KENNETH KUNZ
288	EDWIN LUM
	HERBERT LUM
310	RICHARD IMAMOTO
319	ANNETTE KAWASAKI
	DARRYL CRISTOBAL
	GARY SOMA
	MALCOLM KAWASAKI
322	CARNATION HARVEST
	HERBERT VICTOR
	REALENE VICTOR
	ROBERT VICTOR
	ROLLAND HARVEST
	VANDA VICTOR
	WALTER DANIEL
330	LANAKILA REHABILITATION CTR
	OHANA KOMPUTER
380	PEACOCK BASS FISHING HAWAII
	WAHIAWA FRESHWATER STATE REC

Target Street	Cross Street	Source
✓	-	Cole Information

AVOCADO ST 2017

505	OOGP INC
535	LONE STAR MOTOSPORTS
	UHAUL
538	THE CHURCH OF JESUS CHRIST OF LATTER
567	ISLAND POWER HAWAII INC
659	IHA, TOSHIO
669	DALEY, JENNIFER
672	AKAGI, ZAKRY
680	NISHIMURA, RALPH H

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2017

10	AUTO STATION LLC
	SELECT AUTO GROUP
11	JACK IN THE BOX
23	JUANITAS BEAUTY SALON
	MOLLYS SMOKEHOUSE
	NAILS MAX
	STUDIO LJS
30	WENDYS
35	NERVEZA, KENNETH
55	HAIRCUT STORE
	LAIE TRUCKING & READY MIX CO LTD
58	WAHIAWA AUTOMOTIVE
70	ROYAL CASH
71	CAFE OLIVE
	GREEN WORLD FARMS
74	NEW LIFE BODY OF CHRIST CHURCH
90	ALBERTS DRY CLEANERS
	ELGANT ALTERATIONS
94	PACIFIC TRACTOR & EQUIPMENT LLC
96	MAUI MIKES
98	BETHANY KOREAN UNITED METHODIST CHUR
114	MCDONALDS
138	L&L HAWAIIAN BARBECUE
146	TACO BELL
153	PAPA JOHNS PIZZA
	TEDDYS BIGGER BURGERS
167	FORTY NINER WAHIAWA LLC
174	JUDYS FLOWERS INC
176	ASAP SPECIALIST INC
177	EL PALENQUE
	SECRET TREASURES
178	MARAVILLOSA, ESTELITA L
187	NAPA AUTO PARTS
198	AVOCADO PAWN
	GOODIES MARKET
203	EXOTIC NAILS
	HITECH SPORTS INC
	LIBERTY TAX SERVICE
217	ALOHA TERMITE & PEST CONTROL

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2017

54	KAUI, SEAN K
	TORRES, ALVIN
	TORRES, JILL
55	ABAD, BYRON
	ALAOIG, ALVIN
	DARRA, OLSEN S
	GLENTZ, EDWARD
	JOASH, CAROLYN
	KANOA, CASSIE
	KEPOO, STELLA J
	KOSTRON, DONNATE
	LAWSON, JEANNE
	MAESAKA, BETSY T
	MAGEARY, MARK E
	MAREKO, LINARAY
	MATIAS, ROBERTO
	MCDOWELL, JAMES E
	MORGIA, MARJORIE C
	PELAEZ, LUKIKA
	TAKAHASHI, GARY E
	U R SERVICES
64	EUM, MAURICE S
74	TUNGPALAN, MARY
84	SOROTEN, JERRY U
85	ANDY BARBER SHOP
96	NAGUINLIN, DANILO D
104	UGALDE, MELITONRYCHELL S
120	ITO, JON E
129	CATTELL, DONALD L
134	ITO, RYAN S
149	LUCIO, XAVIER
153	TOM, THEODORE C
165	TANJI, FRANCIS Y
196	OGAWA, ELAINE S
216	LUCERO, BERTHA K
232	ALOHA HABILITATION SERVICES
	DAOANG, VERONICA
248	AMIAN, DANIEL K
251	CASIANO, ROBERTO
	KASAOKA, KELLY T
258	CABANA, FEDERICO S
270	ACOHIDO, JON G
280	KUNZ, KENNETH M
288	LUM, HERBERT Y
300	LANAKILA REHABILITATION
310	BALMACEDA, ALVIN
	MUNDINE, FRANCINE L
319	KAWASAKI, MALCOLM T
322	VICTOR, HERBERT K

Target Street	Cross Street	Source
✓	-	Cole Information

AVOCADO ST 2014

505 OOGP INC
535 LONE STAR MOTOSPORTS
OCCUPANT UNKNOWN,
ROE, TRILBY A
538 THE CHURCH OF JESUS CHRIST OF LATTER
567 ISLAND POWER HAWAII INC
658 OCCUPANT UNKNOWN,
659 IHA, TOSHIO
669 GOMBIO, ELMAY
672 AKAGI, HELEN F
680 NISHIMURA, RALPH T

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2014

10	M A S H
11	JACK IN THE BOX
23	JUANITAS BEAUTY SALON
	MOLLYS SMOKEHOUSE
	NAILS MAX
	STUDIO LJS
30	WENDYS
43	NUNEZ, RANDOLPH
58	WAHIAWA AUTOMOTIVE
70	ROYAL CASH
71	CAFE OLIVE
	GREEN WORLD FARMS
	INSTANT TAX SERVICES
	QUIZNOS WAHIAWA
	WAHIAWA MASSAGE
74	NEW LIFE BODY OF CHRIST CHURCH
90	ELGANT ALTERATIONS
95	ALBERTS DRY CLEANERS
	HAIR HEADLINES
	HAWAIIAN ISLAND TATTOOS
	MAINLAND STYLES
96	MAUI MIKES
114	MCDONALDS
116	YI, CHUN P
138	L&L HAWAIIAN BARBECUE
146	TACO BELL
153	PAPA JOHNS PIZZA
167	FORTY NINER WAHIAWA LLC
174	JUDYS FLOWERS INC
176	ASAP SPECIALIST INC
177	EL PALENQUE
178	MARAVILLOSA, ESTELITA C
187	NAPA AUTO PARTS
198	AVOCADO PAWN
	GOODIES MARKET
203	HAWAII CHECK CASHING
	HITECH SPORTS INC
	LIBERTY TAX SERVICE
	VIVA NAIL SALON & SPA
217	ALOHA TERMITE & PEST CONTROL

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2014

34	AGUSTIN, RUBEN
	OCCUPANT UNKNOWN,
	SPILLNER, KYLE K
44	LAIDIG, DUANE A
	OCCUPANT UNKNOWN,
	RILVERIA, MILAGROS
54	KAUI, SEAN K
55	ALAOIG, ALVIN
	ALBIOS, AGNES
	BENITEZ, LEANNE
	COSTALES, KELLY A
	FUKUHARA, DAVE T
	JOASH, CAROLYN
	KEPOO, STELLA J
	KRUPPA, SUZANNE
	MAESAKA, BETSY T
	MAGEARY, BRANDON
	MORGIA, MARJORIE C
	NAMAKAEHA, SAMUEL N
	PERKINS, SARAH E
	PIMENTAL, RAWLENE K
	TALI, GINA
64	EUM, MAURICE C
74	OCCUPANT UNKNOWN,
84	FERNANDEZ, PACITA
	SANTODOMINGO, CONSOLATI
	SOROTEN, EUGENIO T
	SOROTEN, JERRY U
85	ANDY BARBER SHOP
96	NAGUINLIN, DANILO D
120	ITO, JON E
129	FUJINAGA, AARON
134	ITO, JUANITA P
144	OCCUPANT UNKNOWN,
149	KAMA, RENNICK K
	LAU, GENE Z
	RENNICK, KAMA
	TOM, THEODORE C
153	TOM, THEODORE C
154	IKEDA, WILFRED Y
165	TANJI, YUKIO P
196	OGAWA, ELAINE S
212	RAASS, TINA
216	OCCUPANT UNKNOWN,
232	ALOHA HABILITATION SERVICES
	PACLEB, PEDRO D
233	GODA, THOMAS
	OCCUPANT UNKNOWN,
248	AMIAN, DANIEL K
251	ANGUAY, STELLA L

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2014 (Cont'd)

251	CASIANO, SHARON J
	KIHARA, JOHN
258	OCCUPANT UNKNOWN,
270	ACOHIDO, JON G
280	VIERRA, ALICE B
288	LUM, EDWIN Y
300	LANAKILA REHABILITATION
310	MUNDINE, FRANCINE L
	OCCUPANT UNKNOWN,
319	KAWASAKI, MALCOLM T
	OCCUPANT UNKNOWN,
	SOMA, MELODY M
322	DANIEL, WALTER L
380	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

AVOCADO ST 2010

535 LONE STAR MOTORSPORTS
OCCUPANT UNKNOWN,
ROE, TRILBY A
658 OCCUPANT UNKNOWN,
659 IHA, TOSHIO
669 ALVARADO, JON
672 AKAGI, WALLACE M
680 NISHIMURA, RALPH

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2010

10	MASH
11	JACK IN THE BOX
	JACK, W
23	BADER, TONY
	JUANITAS BEAUTY SALON
	NAILS MAX
	SMOKEHOUSE INC
	STUDIO LJS
39	CLUB TEXAS
43	88 MARKET
55	DIVINE PLEASURES
58	WAHIAWA AUTOMOTIVE
70	H K GROUP LLC
	KIMBALL DEVELOPMENT GROUP LLC
	V A LOANS HAWAII
71	CAFE OLIVE
	QUIZNOS
	WAHIAWA MASSAGE
74	NEW LIFE BODY OF CHRIST CHR
90	ELGANT ALTERATIONS
95	ALBERTS DRY CLEANERS INC
	ALOHA COLLECTIBLE EXPRESS
	EARLY RIDERS CYCLE SALVAGE
	HAIR HEADLINES
	HAWAIIAN ISLAND TATOOS
	MAINLAND STYLES
105	SERVICE MOTORS CO WAHIAWA
114	MC DONALDS
138	L&L DRIVEINN
146	TACO BELL
153	PAPA JOHNS PIZZA
174	JUDYS FLOWERS INC
176	FURNITURE 4 LESS
177	EL PALENQUE
	SECRET TREASURES
178	LAURIN, LEONISA B
	MARAVILLOSA, ESTELITA C
	RUBIO, NINETH R
198	AVOCADO PAWN
	GOODIES MARKET
203	ASAP CLEANERS
	ASAP SHINE & REPAIR
	EXOTIC NAILS
	HITECH SPORTS INC
217	ALOHA TERMITE & PEST CONTROL

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2010

34	OCCUPANT UNKNOWN,
44	OCCUPANT UNKNOWN,
54	DESAULNIERS, JOVAN
55	ALAOIG, ALVIN
	ALBERT, WELDY
	ALBIOS, AGNES
	KEPOO, ARDIE K
	LOPES, CATHERINE C
	MAESAKA, BETSY T
	MONCALEANO, ANTHONY
	POWELL, CRYSTAL
	PUKANA LA PROPERTIES
	ROSSETTO, GUS
	SALAMATIN, R
	SALVADORE, L
	TURNER, M
	VALENTINE, ROBER
	YAMANOUCHI, KATHLEEN
64	EUM, MAURICE C
74	OCCUPANT UNKNOWN,
84	SOROTEN, EUGENIO T
85	Y H BARBER SHOP
96	ESTABAN, JAMES B
120	ITO, JON E
134	ITO, ROBERT S
144	PATANAPAIBOON, SUKSAN N
149	TOM, THEODORE C
154	IKEDA, WILFRED Y
165	TANJI, YUKIO P
168	OCCUPANT UNKNOWN,
178	SHIMAMOTO, DOROTHY Y
196	OGAWA, ELAINE S
212	YAMAUCHI, TAKE
216	SALDAJENO, DELFIN F
232	ALOHA HABILITATION SVC
	PACLEB, PEDRO D
233	GODA, THOMAS
	KAGE TATAMI SHOP INC
	OCCUPANT UNKNOWN,
248	AMIAN, DANIEL K
251	ANGUAY, STELLA L
258	CABANA, RODRIGO C
270	ACOHIDO, JON G
280	VIERRA, PAUL D
310	JOHNSON, LEO K
	MUNDINE, FRANCINE L
319	SOMA, WAYNE M
322	VICTOR, HERBERT K
330	LANAKILA PACIFIC
	PACT PARENTS & CHILD TOGETHER

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2010 (Cont'd)

330 WAHIAWA EARLY CHILDHOOD SVC
380 OCCUPANT UNKNOWN,
WAHIAWA FRESHWATER STATE PARK

Target Street	Cross Street	Source
✓	-	Cole Information

AVOCADO ST 2005

505	OOGP INC
527	MASUOKA RODNEY Y CPA INC
531	KUNIE LLC
535	LONE STAR MOTORSPORT
	LONESTAR MOTORSPORT
567	ISLAND POWER HAWAII INC
658	KUWABARA, SCOTT R
659	IHA, TOSHIO
672	AKAGI, WALLACE M
680	NISHIMURA, JOYCE H

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2005

10	MASH INC
11	JACK, W
30	WENDYS OLD FASHIONED HAMBURGERS
39	AM JEWELL INC
	CLUB JACKPOT
	CLUB MARIE
43	H MARKET
	ILJAE CORP
45	DOGGONE GROOMERS
46	JIFFY LUBE
	PRICE BUSTERS
49	KUALOA RANCH & ACTIVITY CLUB
51	KAAAWA ELEMENTARY SCHOOL
	LIVINGSTON GALLERIES
	MAKAUA VILLAGE ASSN
	MOANIS COUNTRY KITCHEN
53	AINALANI REAL ESTATE SERVICES
	CHINGS PUNALUU STORE
	GREATER MT ZION HOLINESS CHURCH
	HANOHANO HALE
	KAYAS STORE INC
	LANCE FAIRLY GALLERY
	NIKOLAIDIS, NIKOLAOS L
	REECE KIM TAYLOR GALLERY
	SHOOTFIRST TV
54	7 ELEVEN HAWAII INC
	BISHOP, POULI
	HALE KUAI COOPERATIVE
	HONOLULU COMMUNITY ACTION PROGRAM IN
	KALAI, EDWIN S
	KARNER, DERRICK
	KONA WINDS ELECTRIC
	MAKIKI ELECTRONICS
	RAINBOW CASTLE
	TESORO
	THERM OUT
55	AMERICAN SAVINGS BANK
	ANGEL ICE CREAM
	BANK OF HAWAII
	CLEAN FLICKS
	D A PHARMACY
	DIVINE PLEASURES
	DOMINOS PIZZA
	HAIRCUT STORE
	L & L DRIVE INN
	LAIE COUNTRY DR
	LAIE THEATRE
	LAIE TRUCKING & READY MIX CO LTD
	LAIE WASHERETTE
	MWP APPRAISALS

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2005 (Cont'd)

55	NAINOA FINE JEWELRY
	NAPA AUTO PARTS
	ROYAL CLEANERS & TUXEDO RENTALS
	SHLACHTER MARC B MD
	VANNESA OF HAWAII
56	ASHE HARRY J MD
	BISHOP, ANTHONY
	BOBBY BENSON CENTER
	HAWAIIAN MARINE ENTERPRISES
	HOLY CROSS EPISCOPAL MISSION
	KAHUKU UNITED METHODIST CHURCH
	KOOLAULOA HEALTH CENTER LLC
	NORTH SHORE PHYSICAL THERAPY & SPORT
	REBER, DAVID
	SALLYS FEED AND COUNTRY STORE
	SMITH, MAX B
	SURFSIDE EXPRESS
57	21 DEGREES NORTH
	HAWAIIAN ISLAND COMPUTERS
58	CKAH INC
	SCREENTECH HAWAII
59	BER, WILLIAM
	DUBIEL JOHN DDS
	HOMCY, DAVID J
	HONOLULU COMMUNITY ACTION PROGRAM IN
	KAMAAINA CONSULTANTS & REAL ESTATE A
	NORTH SHORE OHANA SURF
	NORTH SHORE REALTY
	SHARKS COVE GRILL
	STARBUCKS COFFEE
	SUNSET BEACH ELEMENTARY SCHOOL
	SUNSET PIZZA
61	ANDERSON, GARY J
	COLEY, WARREN D
	KAWAILOA RANCH CO
62	JAMESONS
	NORTH SHORE TATTOO
	NORTH SHORE THERAPEUTIC MASSAGE
	SURF N SEA
	TROPICAL RUSH SURF CO
64	2828 TRAVEL INC
	DOLE PLANTATION
	HELEMANO PLANTATION
	OPPORTUNITIES FOR THE RETARDED INC
	PINEAPPLE EXPRESS
	PINEAPPLE PATCH THE
	SHARPSHOOTER IMAGING
	WOODYS ESPRESSO & HOT DOGS
66	A TSUTSUL CHIROPRACTIC
	ALOHA GENERAL STORE

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2005 (Cont'd)

66

AMERICAN SAVINGS BANK
B K OCEAN SPORTS
BALI MOON HAWAII
BANK OF HAWAII
BARNFIELD PERFORMANCE
BILLYS BARBER & BEAUTY
BJORNSON KRISTOPHER MD
BLACK PEARL SOURCE THE
BREAKERS RESTAURANT
BRITTON GALLERY
CAFE HALEIWA INC
CITIFINANCIAL
COFFEE GALLERY
DEEP ECOLOGY NORTH SHORE
DEL S PHOTO LAB
DILCHER T MD
FIRST HAWAIIAN BANK
GLOBAL CREATION INTERIORS
GRASS SKIRT GRILL
HALEIWA BEACH TREASURE BOX
HALEIWA FISHING SUPPLY
HALEIWA OFF ROAD TOWING
HARBOR VIEW TRAVEL
HAWAII MOON
HAWAII SURF & SAIL
JON MOZO LTD
JUBRAN CAHIR S
KAENA KAL CLINIC
KAMA AINAS HALEIWA LLC
KAWAMATA BROTHERS LTD
KAYO OIL CO
KFC HAWAII
KILLERTACOS INC
KONOS
KUA AINA SANDWICH SHOP
L & L DRIVE INN
LILIUOKALANI PROTESTANT CHURCH
MAIZES BEAUTY SALON
MALAMA MARKET HALEIWA
MATAHARI
MATSUMOTO SHAVE ICE
MCDONALDS RESTAURANTS
MIURA H STORE & TAILOR SHOP
MURATA CLARENCE Y & NAGAHIRO KEN DR
NAPA AUTO PARTS
NORTH SHORE COUNTRY OKAZU & BENTO
NORTH SHORE RAGING ISLE HAWAII
NORTH SHORE SURF & CULTURAL MUSEUM
NORTH SHORE SWIMWEAR
NORTHSHORE BOARDRIDERS CLUB

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2005 (Cont'd)

66	NORTHSHORE WORKOUT
	OOGENESIS BOUTIQUE
	PARADISE FOUND CAFE
	PATAGONIA
	PIONEER ACE HARDWARE
	PIZZA HUT RESTAURANTS
	RAGING ISLE SURF & CYCLE
	RETGAIL STORE
	RONS WAIALUA SERVICE
	SALON ATLANTIS
	SILVER MOON EMPORIUM
	SOAP CELLAR THE
	SPAGHETTINI
	STERMAN REALTY
	STORTOS DELI & SANDWICH SHOP
	STRONG CURRENT SURF DESIGN
	SUBWAY SANDWICHES AND SALADS
	SUNAHARA DENTAL INC
	SUNSET HOMES LLC
	TABORA STUDIO LLC
	TEAM REAL ESTATE INC
	TESORO
	TWELVE TRIBES INTERNATIONAL
	VICENTE J SHAPES & DESIGNS SURFBOARD
	WAIAWA COMMUNITY ASSN
	WAVE RIDING VEHICLES
	XCEL WETSUITS HAWAII
67	TOP HAT BAR
70	ENVIRONMENTAL PACIFIC RESOURCES LLC
	NAPOLEON COMMUNICATIONS
71	CAFE OLIVE
	O O BBQ
	OHANA QUIZNOS
74	NEW LIFE BODY OF CHRIST CHURCH
90	EL GANT ALTERATIONS
94	CONTRACTORS EQUIPMENT & SERVICE COR
	HAWAII PACIFIC TENNIS
	HAWAII TRACTOR LTD
95	ALBERTS DRY CLEANERS
	ALOHA ENTERTAINMENT EXPRESS
	CASHBACK CATALOG SALES
	FAST STOP
	FASTOP
	KIRBY OF MILILANI SALES & SERVICE
	KUTTING EDGE INC THE
	MILILANI CHEVRON
	MILILANI, KIRBY
	NAILS ART
	QUIZNOS MILILANI
97	DIEGOS TACO SHOP

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2005 (Cont'd)

98	ARIZONA MEMORIAL MUSEUM ASSOCIATION
	BENCH HELEN REALTY INC
	CAMELLIA PEARL KAI
	CARISON BOBBI DR
	CHAMPA THAI RESTAURANT
	CHUN KENNETH K F INSURANCE AGENCY
	CITIFINANCIAL
	CLUB CHANCE
	CLUB EXECUTIVE
	DIVISION NAILS
	DRY CLEAN EXPRESS
	ELAM TRAINING
	GOOD FEET STORE THE
	GUPTON EILEEN PHD
	HAWAII AUTO ELECTRIC INC
	INTEGRITY MANAGEMENT ENTERPRISES INC
	JT JEWELRY & WATCH
	KAMEHAMEHA REALTY
	KENS CLEANERS III
	LA WEIGHT LOSS CENTER
	LEEWARD MASSAGE THERAPY
	LEONARD JR S MR MALASADA INC
	LIQUID METAL TATTOO & PIERCING
	MIDRO WAYNE
	MOON HOE DRIVE INN
	OLSTEN STAFFING SERVICES
	OSHIRO JAMES K CPA
	PARTY LAND
	PCCP LDC PEARL KAI LLC
	PEARLRIDGE REALTY INC
	POLANZI CRAIG W ATTORNEY AT LAW
	RAINBOW MASSAGE & HEALING CENTER
	RED WING SHOE STORE
	RFT SHEETMETAL LTD
	RICADOS ITALIAN RESTAURANT
	SCRAPBOOK CLUBHO
	SOLEIL
	STATE FARM INSURANCE / KENNETH K F C
	STATE FARM INSURANCE / WAYNE MIDRO
	SUNTIME INDOOR TANNING SALON
	THAI PHAT
	UNIFORMS BY MALIA
	WANGS GARDEN
99	ISLAND AUTO EXCHANGE
	PLAYERS SPORTS & ENTERTAINMENT CLUB
	TNT TATTOO
105	PAPA JOHNS PIZZA
	SERVCO PACIFIC INC
	SERVICE MOTOR CHEVROLET
	WAHIAWA TOYOTA SUZUKI

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2005 (Cont'd)

114	MCDONALDS RESTAURANTS
146	ALOHA TACO INC
156	ONLY SHOW IN TOWN THE
167	OCCUPANT UNKNOWN,
174	JUDYS FLOWERS INC
176	DRAPERY SHOPPE INC
	H P SULLIVANS
177	EL PALENQUE
178	LAURIN, LEONISA B
	MARAVILLOSA, ESTELITA L
	PASCO, ARTHUR
	PERKINS, RUSSELL
198	GOODIES MARKET
	JESSES MINI MART
203	ASAP CLEANERS
	ASAP SHINE & REPAIR
	DON NAM YOUNG
	HAWAII CHECK CASHING
	HI TECH SPORTS INC

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2005

34	GALARSA, LARRY
	OCCUPANT UNKNOWN,
44	OCCUPANT UNKNOWN,
	RILVERIA, SUSANO R
54	DESAULNIERS, JOVAN
	OCCUPANT UNKNOWN,
55	DIAZ, ROD
	EDRA, FRANCISCA
	HINKLE, RONNIE
	JUAN, IRMA
	KEPOO, ARDIE K
	NAVARRO, TERRY
	PERREIRA, JAMES
	POZAS, ELMER V
	RECOR, REBECCA
	SALAMATIN, R
	SANBORN, COREY J
	SANTOS, A
	TAKAHASHI, GARY E
	VALENTINE, RONALD H
	ZARATE, CHARLETO A
74	BOYER, RAYMOND M
	OCCUPANT UNKNOWN,
84	SOROTEN, RODA U
	UNGOS, SIMEON T
85	OCCUPANT UNKNOWN,
	YH BARBER SHOP
96	ESTABAN, JAMES
	OCCUPANT UNKNOWN,
104	MAESAKA, BETSY T
120	ITO, JON E
134	ITO, ROBERT S
149	OCCUPANT UNKNOWN,
154	IKEDA, WILFRED Y
165	TANJI, YUKIO P
168	OCCUPANT UNKNOWN,
178	SHIMAMOTO, DOROTHY Y
196	OGAWA, ELAINE S
212	YAMAUCHI, TAKE
232	PACLEB, PEDRO D
233	GODA, THOMAS
	OCCUPANT UNKNOWN,
251	MARKLE, D
258	PRATICO, YONSU
270	TRACE USA INC
280	VIERRA, PAUL
288	LUM, SEU M
310	MUNDINE, FRANCINE L
319	SOMA, WAYNE M
322	VICTOR, HERBERT K

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2005 (Cont'd)

330 LANAKILA REHABILITATION CENTER
PACT PARENTS AND CHILDREN TOGETHER A
380 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	Cole Information

AVOCADO ST 2000

505	OOGP INCORPORATED
527	MASUOKA ROONEY Y CPA INCORPORATED
529	NO KA OI HAWAIIAN JEWELRY
531	DEWA ROGER YOSHITO ATTORNEY WAHIAWA OFFICE
535	LONE STAR MOTOSPORTS
538	CHURCH OF JESUS CHRIST OF LTTR DAY SAINTS THE WAHI
659	IHA, FUMIO
669	IHA, TOSHIKO
672	AKAGI, WALLACE
680	NISHIMURA, RAY N

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 2000

10	F & M FOOD MART CORPORATION
11	JACK IN THE BOX RESTAURANTS WAHIAWA
23	COMPUTER SHAREWARE LIBRARY
	JUANITAS BEAUTY SALON
	MERCADO, DE L
	N C O A SERVICE CENTER
	PICKETT, S M
30	WENDYS OLD FASHIONED HAMBURGERS WAHIAWA
39	OCCUPANT UNKNOWN,
43	H MARKET
55	MIKE WEISS PAWN
	MWP APPRAISALS
	PETES APPLIANCE
58	FLAGSHIP 76 SERVICE STATION
67	TOP HAT BAR
70	WAHIAWA AUTOMOTIVE
82	HUNGRY EAR RECORDS & TAPES
90	ELGANT ALTERATIONS
95	ALBERTS DRY CLEANERS
	KING, LOREEN E
	KOREAN PRESBYTERIAN CHURCH OF HAWAII
	LEES TELEVISION & REPAIR
96	DAVES 2 FOR 1 PIZZA COMPANY
105	SERVCO PACIFIC INCORPORATED SERVICE MOTORS WAHIAWA
	SERVICE MOTORS CHEVROLET PARTS
	SERVICE MOTORS CHEVROLET SALES
	SERVICE MOTORS CHEVROLET SERVICE
	WAHIAWA TOYOTA SUZUKI PARTS
	WAHIAWA TOYOTA SUZUKI SERVICE
114	MCDONALDS RESTAURANTS WAHIAWA
138	L & L DRIVE INN WAHIAWA NO 10
141	WAHIAWA TOYOTA SUZUKI SALES
146	TACO BELL RESTAURANTS WAHIAWA
156	TANJI STUDIO
174	JUDYS FLOWERS INCORPORATED
176	DRAPERY SHOPPE INCORPORATED
177	ENTERTAINMENT TODAY
178	MARAVILLOSA, ESTELIT
187	CJS MIDNIGHT RODEO
198	JESSES MINI MART
203	AD CHECK
	HAWAII CHECK CASHING WAHIAWA OFFICE

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 2000

54	OCCUPANT UNKNOWN,
55	BASCO, EFELDA S
	FIVELLA, PATRICK
	JACANG-KEPOO, S M
	KAHIKINA, ROSE
	MIGUEL, ROLANDO A
	NAKANDAKARE, THOMAS
	SANBORN, COREY J
	U R SERVICES
64	EUM, MAURICE C
84	BALTAZAR, A S
	SOROTEN, EUGENIO U
	UGOS, S F
85	BLANCOS FAMILY MARKET
	Y H BARBER SHOP
104	MAESAKA, B T
	VILLANUEVA, DOREEN J
120	ITO, KOJI
129	OCCUPANT UNKNOWN,
134	OCCUPANT UNKNOWN,
144	TOYOFUKU, E T
154	IKEDA, CHARLES
165	TANJI, YUKIO
178	SHIMAMOTO, RICHARD
196	OCCUPANT UNKNOWN,
212	OCCUPANT UNKNOWN,
	YAMAUCHI TAKE
216	LUCERO, EDWARD I
232	PACLEB, PEDRO
233	KAGEYAMA, KIYOMI
248	OCCUPANT UNKNOWN,
258	PRATICO, YONSU
270	ACOHIDO, BEN V
280	VIERRA, ANTONE
288	LUM, SEU M
310	MUNDINE, FRANCIN L
319	SOMA, ROBERT Y
322	HARVEST, C
	LACADEN, REALENE M
	VICTOR, HERBERT
330	HAWAII STATE GOVERNMENT HEALTH DEPARTMENT OF
	LANAKILA CRAFTS WAHIAWA FACILITY
380	ASUNCION, BENJ A

Target Street	Cross Street	Source
✓	-	Cole Information

AVOCADO ST 1995

505 SOMATICS
WAHIAWA CHIROPRACTIC CTR
527 RODNEY Y MASUOKA INC
531 ROGER Y DEWA
535 HAIRSTYLES BY VERA
LONE STAR MOTORSPORTS
659 IHA, FUMIO
669 IHA, NABE
672 MIZUNO, TAKASHI
680 NISHIMURA, SHIGEO

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 1995

10	F & M FOOD MART CORP
11	JACK IN THE BOX
23	JUANITAS BEAUTY SALON
	MS BAKERY
	NAIL HOTLINE & HAIR
	NCOA
35	PLAYGROUND
43	H MARKET
55	MIKE WEISS PAWN
	PETES APPLIANCE
	WEISS, MIKE P
58	CRANDALLS WAHIAWA SVC
67	TOP HAT BAR
70	OCCUPANT UNKNOWNN
74	GOODWILL INDUSTRIES
75	ONE BBQ
82	HUNGRY EAR RECORDS & TAPES
88	VIDEO LINE
90	ELGANT ALTERATIONS & RWVNG
	NELSON, PETER J
95	ALBERTS DRY CLEANERS INC
	ARMORY HUNTING SUPPLIES
	HAIR HEADLINES
	LEES TELEVISION & REPAIR
	OAHU SCHOOL OF DIVING & PRO
	OHIRA, RONALD T
	STATE FARM INSURANCE
96	2 FOR 1 PIZZA CO
105	WAHIAWA SERVICE MOTORS
	WAHIAWA TOYOTA
114	MC DONALDS
138	L & L DRIVE INN
146	TACO BELL
156	TANJI STUDIO
167	ASIANNS INC
174	JUDYS ORCHIDS & FLOWERS
176	DRAPERY SHOPPE INC
178	DEAL, ROBERT M
	MARAVILLOSA, E
	SICLOT, RUBEN P
187	SPURS
203	HAWAII CHECK CASHING
	WESTERN UNION

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 1995

54	MENDES, JOHN JR
55	CHAVIERA, DARLENE
	CHINCIO, MATTHEW
	DAGUIO, LESLIE M
	JACANGKEPOO, S M
	KAAWALOA, BRIAN
	MERTENS, DORENE M
	NAKANDAKARE, THOMAS
	PASION, GEORGE T
	SANTIAGO, CHEREEN M
	SMIDDY, HANK
	TAKATA, STEVEN T
	TRAN, UNG H
	U R SVC
	WRIGHT, ROBERT
64	EUM, MAURICE C
65	WAHIAWA ELECTRONICS
74	MALINAB, BENJ
	RAGUIRAG, ANTONIO
84	SOROTEN, EUGENIO U
	UGOS, S F
85	LABASAN, MANUEL C
104	MAESAKA, B T
120	HIRASUNA, ASAKO
	ITO, KOJI
129	OCCUPANT UNKNOWNN
134	OMIZO, ERNEST T
144	TOYOFUKU, E T
149	MCCANN, TOM
154	OCCUPANT UNKNOWNN
165	TANJI, YUKIO
168	OCCUPANT UNKNOWNN
178	SHIMAMOTO, RICHARD
196	OGAWA, MASANO
212	YAMAUCHI, TAKE
216	LUCERO, EDWARD I
232	PACLEB, PEDRO JR
244	OCCUPANT UNKNOWNN
248	OCCUPANT UNKNOWNN
	RAM APPLIANCE SVC
251	KIHARA, JOHN Y
258	OCCUPANT UNKNOWNN
263	OCCUPANT UNKNOWNN
270	ACOHIDO, BEN V
280	VIERRA, ANTONE
288	LUM, S M
310	MUNDINE, F L
319	SOMA, ROBERT Y
322	HARVEST, C
	VICTOR, HERBERT

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 1995 (Cont'd)

330 WAHIAWA INFANT
380 ASUNCION, BENJ A

Target Street	Cross Street	Source
✓	-	Cole Information

AVOCADO ST 1992

659	IHA, FUMIO
669	IHA, NABE
672	MIZUNO, TAKASHI
680	NISHIMURA, SHIGEO

Target Street	Cross Street	Source
-	✓	Cole Information

S KAMEHAMEHA HWY 1992

55	MEREZ, PETE
	WEISS, MIKE P
70	NAKAMURA, NORMAN
178	ARGONES, JESUS
	DEAL, ROBERT M
	MARAVILLOSA, E
188	HYUN, THOMAS C
95202	OHIRA, RONALD T

Target Street	Cross Street	Source
-	✓	Cole Information

WALKER AVE 1992

34	CAMEROS, CRISPIN
54	MENDES, JOHN JR
55	DUARTE, V
	FETTERS, GALVIN S
	JACANGKEPOO, S M
	KUHIA, ABEL
	NASRALLAH, SAMMY Y
	THACKER, RICHARD A
	WALKER, JOHN R JR
64	EUM, MAURICE C
74	MALINAB, BENJ
	RAGUIRAG, ANTONIO
84	SOROTEN, EUGENIO U
104	MAESAKA, B T
120	ITO, KOJI
134	OMIZO, ERNEST T
144	TOYOFUKU, E T
165	TANJI, YUKIO
178	SHIMAMOTO, RICHARD
196	OGAWA, MASANO
212	YAMAUCHI, TAKE
216	LUCERO, EDWARD I
232	PACLEB, PEDRO JR
233	WANTLAND, M
251	KIHARA, JOHN Y
258	CABANA, RODRIGO C
280	VIERRA, ANTONE
288	LUM, S M
310	JIMENEZ, TERRI A
	POINDEXTER, D M
322	HARVEST, JOSEPH
380	VELLES, JOHN J
554	TONUMAIPEA, LAINA
555	PASCUA, S
2709	ACOHIDO, BEN V
5512	PACHECO, MICHELE N
5515	BREIER, RICHARD
5517	PASION, GEORGE T
5523	SHIPLEY, RICARDO
5532	TAKATA, STEVEN T

EDR Building Permit Report

DLNR DOCARE
525 Avocado St
Wahiawa, HI 96786

Inquiry Number: 7957252.8
April 14, 2025

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

About This Report

Executive Summary

Findings

Glossary

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Element Environmental , LLC on Apr 14, 2025.

TARGET PROPERTY

525 Avocado St
Wahiawa, HI 96786

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Honolulu County

Year	*Source*	*TP*	*Adjoining*
2025	Honolulu County, Planning and Permitting		
2024	Honolulu County, Planning and Permitting		X
2023	Honolulu County, Planning and Permitting		X
2022	Honolulu County, Planning and Permitting		X
2021	Honolulu County, Planning and Permitting		X
	Honolulu County, Planning and Permitting	X	
2020	Honolulu County, Planning and Permitting		X
2019	Honolulu County, Planning and Permitting		X
2018	Honolulu County, Planning and Permitting		X
2017	Honolulu County, Planning and Permitting		X
2016	Honolulu County, Planning and Permitting		X
2015	Honolulu County, Planning and Permitting		X
2014	Honolulu County, Planning and Permitting		X
2013	Honolulu County, Planning and Permitting		X
2012	Honolulu County, Planning and Permitting		X
2011	Honolulu County, Planning and Permitting		X
2010	Honolulu County, Planning and Permitting		X
	Honolulu County, Planning and Permitting	X	
2009	Honolulu County, Planning and Permitting		X
2008	Honolulu County, Planning and Permitting		X
2007	Honolulu County, Planning and Permitting		X
2006	Honolulu County, Planning and Permitting		X
2005	Honolulu County, Planning and Permitting		X
2004	Honolulu County, Planning and Permitting		X
2003	Honolulu County, Planning and Permitting		X
2002	Honolulu County, Planning and Permitting		X
2001	Honolulu County, Planning and Permitting		X
2000	Honolulu County, Planning and Permitting		X

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1999	Honolulu County, Planning and Permitting		X
1998	Honolulu County, Planning and Permitting		X
1997	Honolulu County, Planning and Permitting		X
1996	Honolulu County, Planning and Permitting		X
1995	Honolulu County, Planning and Permitting		X
1994	Honolulu County, Planning and Permitting		X
1993	Honolulu County, Planning and Permitting		X
1992	Honolulu County, Planning and Permitting		X
1991	Honolulu County, Planning and Permitting		X
1990	Honolulu County, Planning and Permitting		X
1989	Honolulu County, Planning and Permitting		X
1988	Honolulu County, Planning and Permitting		X
1987	Honolulu County, Planning and Permitting		X
1986	Honolulu County, Planning and Permitting		X
1985	Honolulu County, Planning and Permitting		X
1984	Honolulu County, Planning and Permitting		X
1983	Honolulu County, Planning and Permitting		X
1982	Honolulu County, Planning and Permitting		X
1981	Honolulu County, Planning and Permitting		X
1980	Honolulu County, Planning and Permitting		X
1979	Honolulu County, Planning and Permitting		X
1978	Honolulu County, Planning and Permitting		X
1977	Honolulu County, Planning and Permitting		X
1976	Honolulu County, Planning and Permitting		X
1975	Honolulu County, Planning and Permitting		X
1974	Honolulu County, Planning and Permitting		X
1973	Honolulu County, Planning and Permitting		X
1972	Honolulu County, Planning and Permitting		X
1971	Honolulu County, Planning and Permitting		X
1970	Honolulu County, Planning and Permitting		
1969	Honolulu County, Planning and Permitting		
1968	Honolulu County, Planning and Permitting		
1967	Honolulu County, Planning and Permitting		
1966	Honolulu County, Planning and Permitting		
1965	Honolulu County, Planning and Permitting		
1964	Honolulu County, Planning and Permitting		
1963	Honolulu County, Planning and Permitting		
1962	Honolulu County, Planning and Permitting		
1961	Honolulu County, Planning and Permitting		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Honolulu County
Years: 1961-2025
Source: Honolulu County, Planning and Permitting, WAHIAWA, HI
Phone: (808) 768-8259

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

525 Avocado St
Wahiawa, HI 96786

525 AVOCADO ST

Date:	**9/13/2021**
Permit Type:	**Commercial**
Description:	**[TMK: 74001025] (3/14) 525 AVOCADO ST / Angelo's Auto Shop - Alteration to existing Auto Detailing Shop**
Permit Description:	
Work Class:	AUTO REPAIR SHOP
Proposed Use:	Auto Detailing - Repair Minor
Permit Number:	869212
Status:	Inspection(s) in Progress
Valuation:	$60,000.00
Contractor Company:	
Contractor Name:	Sim, LLC

Date:	**6/25/2010**
Permit Type:	
Description:	**DEMO EXISTING TWO STORY COMMERCIAL BUILDING**
Permit Description:	
Work Class:	DEMOLITION
Proposed Use:	12 - Office Building
Permit Number:	657962
Status:	Permit application closed
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	Tanaka, Glenn K.

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

165D OHAI ST

165D OHAI ST

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433919
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

AVOCADO ST

505 AVOCADO ST

Date: **12/20/1984**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK, OTHER WORK
Proposed Use: 12 - Office Building
Permit Number: 202012
Status: Completed
Valuation: $12,000.00
Contractor Company:
Contractor Name: KAHALUU SHEETMETAL

ADJOINING PROPERTY FINDINGS

Date: **3/21/1984**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 191201
Status: Completed
Valuation: $3,000.00
Contractor Company:
Contractor Name: EQUITY BUILDERS

Date: **3/21/1984**
Permit Type:
Description:

Permit Description: **1 - New**
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 12 - Office Building
Permit Number: 191200
Status: Completed
Valuation: $60,000.00
Contractor Company:
Contractor Name: EQUITY BUILDERS

Date: **10/7/1981**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 160167(HIST)
Status: Converted
Valuation: $400.00
Contractor Company:
Contractor Name: None

ADJOINING PROPERTY FINDINGS

Date: **12/30/1980**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 18 - Store
Permit Number: 148387(HIST)
Status: Converted
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **12/8/1980**
Permit Type:
Description:

Permit Description:
Work Class: RETAINING WALL, FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 147532(HIST)
Status: Converted
Valuation: $5,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

535 AVOCADO ST

Date:	**8/7/2019**
Permit Type:	**Commercial**
Description:	**Office,prof or service type trans, incl stge or rec&acts,eating/drink-<50/Office Building [TMK: 74001025] 535 Avocado St. / Demo Existing Masuoka Bldg. #3 (Foundation to be removed) ALL DEBRIS TO PVT LANDFILL**
Permit Description:	
Work Class:	OFFICE AND/OR BANK W/ RESIDENCE ABOVE
Proposed Use:	
Permit Number:	836446
Status:	Permit revoked
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	STRUCTURAL BUILDERS HAWAII INC

567 AVOCADO ST

Date:	**9/22/2010**
Permit Type:	
Description:	**NEW CONTAINER INSTALLATION**
Permit Description:	
Work Class:	
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	661501
Status:	Inspection(s) in Progress
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	J C BUILDERS, @ JUVENAL G COITO JR

ADJOINING PROPERTY FINDINGS

Date: **9/22/2010**
Permit Type:
Description: **NEW OFFICE ADDITION**

Permit Description:
Work Class: ADDITION, ELECTRICAL WORK
Proposed Use: 12 - Office Building
Permit Number: 661502
Status: Inspection(s) in Progress
Valuation: $30,000.00
Contractor Company:
Contractor Name: J C BUILDERS, @ JUVENAL G COITO JR

Date: **2/21/2006**
Permit Type:
Description: **- REPLACE EXISTING 16' WIDE ASPHALT DRIVEWAY WITH NEW CONCRETE DRIVEWAY**

Permit Description:
Work Class:
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 592609
Status: Permit application closed
Valuation: $15,000.00
Contractor Company:
Contractor Name: KOANETI LAUAKI BUDGET MASONRY

Date: **12/3/1990**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 15 - School
Permit Number: 295075
Status: Completed
Valuation: $5,000.00
Contractor Company:
Contractor Name: WAHIAWA BUILDERS

ADJOINING PROPERTY FINDINGS

658 AVOCADO ST

Date:	**10/3/2024**
Permit Type:	**Residential**
Description:	**Addition/Alteration to Existing 2 story SFD**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	SINGLE FAMILY DWELLING
Permit Number:	913798
Status:	Inspection(s) in Progress
Valuation:	$80,000.00
Contractor Company:	
Contractor Name:	Homeland Construction LLC

Date:	**4/15/2004**
Permit Type:	
Description:	**LANAI ADDITION, ELECTRICAL AND PLUMBING TO AN EXISTING TWO STORY SINGLE FAMILY DWELLING**
Permit Description:	
Work Class:	ADDITION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	563826
Status:	Permit application closed
Valuation:	$7,200.00
Contractor Company:	
Contractor Name:	Kuwabara, Scott

ADJOINING PROPERTY FINDINGS

Date: **7/3/2000**
Permit Type:
Description: **patio roof and metal rolling gate at driveway (max ht 5')**

Permit Description:
Work Class: ADDITION
Proposed Use: 1 - Single Family
Permit Number: 510417
Status: Permit application closed
Valuation: $3,800.00
Contractor Company:
Contractor Name: Kaneshiro Builders

Date: **3/3/2000**
Permit Type:
Description: **New single family dwelling.**

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 505631
Status: Permit application closed
Valuation: $186,000.00
Contractor Company:
Contractor Name: Kaneshiro Builders

659 AVOCADO ST

Date: **3/6/1987**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 235426
Status: Completed
Valuation: $4,000.00
Contractor Company:
Contractor Name: H MONMA, GEN'L CONTRACTOR

ADJOINING PROPERTY FINDINGS

Date:	**4/15/1985**
Permit Type:	
Description:	
Permit Description:	**1 - New**
Work Class:	NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	206161
Status:	Completed
Valuation:	$50,000.00
Contractor Company:	
Contractor Name:	H. MONMA

669 AVOCADO ST

Date:	**11/19/2015**
Permit Type:	**Residential**
Description:	**PANGORANG -- ADDITION/ALTERATION TO AN EXISTING TWO-FAMILY DETACHED W/ NEW WETBAR (2015/IBP00188) ** 04/13/16 Change Architect from Xiang Yee to John Whitaker per letter from owner|Permit application closed|TMK 7-4-002:030 [9728 sq ft.] 0.223 ac. POID= 12467**
Permit Description:	
Work Class:	TWO FAMILY DETACHED
Proposed Use:	Two Family
Permit Number:	777661
Status:	Permit application closed
Valuation:	$123,500.00
Contractor Company:	
Contractor Name:	PANGORANG, EMELITAS

ADJOINING PROPERTY FINDINGS

Date:	**10/1/2013**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation|Permit application closed|TMK 7-4-002:030 [9728 sq ft.] 0.223 ac. POID= 12467**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	733900
Status:	Permit application closed
Valuation:	$20,000.00
Contractor Company:	
Contractor Name:	Professional Electrical Hawaiian Contractors

Date:	**6/29/2011**
Permit Type:	**Residential**
Description:	**New Solar Water Heater Installation - MM#: MM2010-0038 - (2) 3X8 4X8 panels - Flush-Mount - Tank Location: Between The Home. Panels to be installed per preapproved details. ****8/8/12 CHA**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	673707
Status:	Inspection(s) in Progress
Valuation:	$6,000.00
Contractor Company:	
Contractor Name:	Hawaiian Island Solar

ADJOINING PROPERTY FINDINGS

Date:	**12/5/2008**
Permit Type:	
Description:	**To upgrade electrical panel 200amp AND RELOCATE FROM REAR RIGHT OF REAR DWELLING TO FRONT RIGHT OF FRONT DWELLING.**
Permit Description:	
Work Class:	
Proposed Use:	1 - Single Family
Permit Number:	635836
Status:	Permit application closed
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	PANGORANG, EMELITA

Date:	**5/9/2008**
Permit Type:	
Description:	**- REPAIR PERMIT TO AN EXISTING SINGLE FAMILY DWELLING FOR SIDING -- NO STRUCTURAL CHANGES (2008/IBP3536)**
Permit Description:	
Work Class:	REPAIR
Proposed Use:	1 - Single Family
Permit Number:	626604
Status:	Permit application closed
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	pangorang, emelita s.

ADJOINING PROPERTY FINDINGS

672 AVOCADO ST

Date: **8/19/1981**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK, PLUMBING WORK, OTHER WORK
Proposed Use: 1 - Single Family
Permit Number: 158169(HIST)
Status: Converted
Valuation: $4,035.00
Contractor Company:
Contractor Name: THE CODY CO.

Date: **6/3/1976**
Permit Type:
Description:

Permit Description:
Work Class: REPAIR
Proposed Use: 1 - Single Family
Permit Number: 066978(HIST)
Status: Converted
Valuation: $5,600.00
Contractor Company:
Contractor Name: LEHUA BUILDERS INC

Date: **8/17/1972**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 124036(HIST < 1973)
Status: Converted
Valuation: $750.00
Contractor Company:
Contractor Name: WALLACE & HELEN AKAGI

ADJOINING PROPERTY FINDINGS

680 AVOCADO ST

Date:	**8/1/2014**
Permit Type:	**Residential**
Description:	**New Solar Water Heater Installation - MM#: MM2014-0024 - (4) 64.57 x 39.37 x 1.38 panels - Rack-Mount - Tank Location: Outside of home. Panels to be installed per preapproved details. |Permit application closed|TMK 7-4-002:034 [6384 sq ft.] 0.147 ac. POID= 12351**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	751711
Status:	Permit application closed
Valuation:	$7,950.00
Contractor Company:	
Contractor Name:	Hawaii Energy Connection, LLC

Date:	**7/31/2013**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation|Permit application closed|TMK 7-4-002:034 [6384 sq ft.] 0.147 ac. POID= 12351**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	728933
Status:	Permit application closed
Valuation:	$32,670.00
Contractor Company:	
Contractor Name:	Hawaii Energy Connection, LLC

ADJOINING PROPERTY FINDINGS

Date:	**7/17/2013**
Permit Type:	**Residential**
Description:	**Electrical Meter Upgrade from 100 amps to 200 amps / Relocate new Meter to Front of the house. New meter will not be located in the setback area.|Inspection(s) in Progress|TMK 7-4-002:034 [6384 sq ft.] 0.147 ac. POID= 12351**

Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Single Family
Permit Number:	727765
Status:	Inspection(s) in Progress
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	

Date:	**8/2/2005**
Permit Type:	
Description:	**NEW 1-STORY ADDITION / ALTERATION TO EX DWELLING**

Permit Description:	
Work Class:	ADDITION, ALTERATION, ELECTRICAL WORK, PLUMBING WO
Proposed Use:	1 - Single Family
Permit Number:	583843
Status:	Permit application closed
Valuation:	$80,000.00
Contractor Company:	
Contractor Name:	NISHIMURA, JOYCE & RALPH

ADJOINING PROPERTY FINDINGS

KUAHIWI AVE

185 KUAHIWI AVE

Date: **7/8/1997**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ELECTRICAL WORK, PLUMBING WORK, DRIVEWAY
Proposed Use:
Permit Number: 405071
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/18/1992**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 315819
Status: Completed
Valuation: $1,600.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

221 KUAHIWI AVE

Date:	**7/1/1988**
Permit Type:	
Description:	
Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	ADDITION
Proposed Use:	2 - Two Family
Permit Number:	256058
Status:	Completed
Valuation:	$4,740.00
Contractor Company:	
Contractor Name:	

Date:	**9/3/1987**
Permit Type:	
Description:	
Permit Description:	**9 - Ohana**
Work Class:	ADDITION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	2 - Two Family
Permit Number:	243855
Status:	Completed
Valuation:	$88,000.00
Contractor Company:	
Contractor Name:	T D BUILDERS

Date:	**10/22/1976**
Permit Type:	
Description:	
Permit Description:	
Work Class:	FENCE
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	074331(HIST)
Status:	Converted
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

235 KUAHIWI AVE

Date:	**8/6/2024**
Permit Type:	**Residential**
Description:	**[TMK: *906561] 235 KUAHIWI AVE// HE & WANG FAMILY// ALTERATION TO EXISTING SFD. NEW BATHROOM.**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	SINGLE FAMILY DWELLING
Permit Number:	911264
Status:	Inspection(s) in Progress
Valuation:	$15,000.00
Contractor Company:	
Contractor Name:	XIN YUAN CONSTRUCTION INC

Date:	**9/15/2021**
Permit Type:	**Residential**
Description:	**- NEW TWO STORY SINGLE FAMILY DWELLING WITH A WET BAR. NEW 5'-0" METAL FENCE ON 1'-0" CMU FENCE/WALL AT THE LEFT AND RIGHT OF THE DWELLING AND REAR OF THE PROPERTY (34LF) . [THIRD PARTY REVIEW]**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	SINGLE FAMILY DWELLING
Permit Number:	869324
Status:	Inspection(s) in Progress
Valuation:	$630,000.00
Contractor Company:	
Contractor Name:	XIN YUAN CONSTRUCTION INC

ADJOINING PROPERTY FINDINGS

Date:	**9/15/2021**
Permit Type:	**Residential**
Description:	**- DEMOLISH EXISTING SINGLE FAMILY DWELLING. DEBRIS REMOVED FROM THE PREMISES TO BE TAKEN TO THE PVT LANDFILL WITHIN 30 DAYS OF DEMOLITION**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	SINGLE FAMILY DWELLING
Permit Number:	869325
Status:	Inspection(s) in Progress
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	XIN YUAN CONSTRUCTION INC

Date:	**5/19/2021**
Permit Type:	**Residential**
Description:	**New Fence Installation - Fence Height: 62 inches - Fence Material: Wrought Iron - Estmated Value Of Work: $900.00**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	864535
Status:	Permit application closed
Valuation:	$900.00
Contractor Company:	
Contractor Name:	XIN YUAN CONSTRUCTION INC

ADJOINING PROPERTY FINDINGS

Date: **2/12/2008**
Permit Type:
Description: **REMOVE EX METER & REPLACE W/ NEW METER, & REWIRE DWELLING**

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 622972
Status: Permit application closed
Valuation: $5,000.00
Contractor Company:
Contractor Name: None

Date: **6/4/1997**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 403635
Status: Completed
Valuation: $4,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

MAKANI AVE

115 MAKANI AVE

Date:	**4/4/1974**
Permit Type:	
Description:	
Permit Description:	
Work Class:	FENCE
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	027798(HIST)
Status:	Converted
Valuation:	$800.00
Contractor Company:	
Contractor Name:	DR HOWARD MAESAKA

136 MAKANI AVE

Date:	**11/3/2022**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 15 PV INVERTER COUNT: 1 # of PV Circuits: 3***4-20-24 Change of GC and Electrical Contractor from Triple A Electrical Services to Derek Wong. Letter was signed by the owner.********
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	885637
Status:	Permit application closed
Valuation:	$19,800.00
Contractor Company:	
Contractor Name:	DERECK N WONG

ADJOINING PROPERTY FINDINGS

Date:	**6/13/2012**
Permit Type:	**Residential**
Description:	**New CMU fence walls 6'-0" max ht at rear left & rear right of property and new chainlink fences 3'-6" max ht on top of new CMU fence walls 2'-6" max ht at front left, front, & front right of property. 2012/IBP08563**
Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Structure other than building & unclassified
Permit Number:	694117
Status:	Permit application closed
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	Sato, M/M Gary

143 MAKANI AVE

Date:	**7/27/1983**
Permit Type:	
Description:	
Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	ADDITION
Proposed Use:	1 - Single Family
Permit Number:	182779
Status:	Completed
Valuation:	$800.00
Contractor Company:	
Contractor Name:	DALE'S HOME IMPROVEMENT

ADJOINING PROPERTY FINDINGS

Date: **4/15/1976**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 064726(HIST)
Status: Converted
Valuation: $300.00
Contractor Company:
Contractor Name: ISLAND FENCE CO

144 MAKANI AVE

Date: **9/30/2013**
Permit Type: **Residential**
Description: **- New Solar Photovoltaic Installation|Permit application closed|TMK 7-4-002:040 [5700 sq ft.] 0.131 ac. POID= 12233**

Permit Description:
Work Class: SINGLE FAMILY
Proposed Use: Single Family
Permit Number: 733854
Status: Permit application closed
Valuation: $37,975.00
Contractor Company:
Contractor Name: VIVINT SOLAR INC

ADJOINING PROPERTY FINDINGS

Date:	**8/23/2013**
Permit Type:	**Residential**
Description:	**Ms. Gaylyn Paparello - New 6'-0" max ht chainlink fence with gates at front of property. 2013/IBP04991|Permit application closed|TMK 7-4-002:040 [5700 sq ft.] 0.131 ac. POID= 12233**

Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Structure other than building & unclassified
Permit Number:	730701
Status:	Permit application closed
Valuation:	$5,500.00
Contractor Company:	
Contractor Name:	PAPARELLO, GAYLYN Y.

Date:	**11/15/2010**
Permit Type:	
Description:	**- ADDITION/ ALTERATION TO EXISTING SINGLE FAMILY DWELLING (2010/IBP04531)**

Permit Description:	
Work Class:	ADDITION, ALTERATION, ELECTRICAL WORK, PLUMBING WO
Proposed Use:	1 - Single Family
Permit Number:	663806
Status:	Inspection(s) in Progress
Valuation:	$56,000.00
Contractor Company:	
Contractor Name:	PAPARELLO, GAYLYN Y.

ADJOINING PROPERTY FINDINGS

Date: **11/26/1979**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ADDITION, ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 131345
Status: Completed
Valuation: $9,000.00
Contractor Company:
Contractor Name: ROY TOYOTA

Date: **2/20/1974**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ALTERATION, REPAIR, ELECTRICAL WORK, PLU
Proposed Use: 1 - Single Family
Permit Number: 024713(HIST)
Status: Converted
Valuation: $17,000.00
Contractor Company:
Contractor Name: H MONMA GENERAL CONTRACTOR INC

ADJOINING PROPERTY FINDINGS

159 MAKANI AVE

Date:	**10/6/2017**
Permit Type:	**Residential**
Description:	**Dwelling/Single Family [TMK: 74002086] AMBROSIO RESIDENCE-ADDITION/ ALTERATION TO EX. SFD**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	SINGLE FAMILY DWELLING
Permit Number:	808934
Status:	Permit application closed
Valuation:	$31,000.00
Contractor Company:	
Contractor Name:	AMBROSIO, ALAN

Date:	**12/10/2013**
Permit Type:	**Residential**
Description:	**- Construct new 5'-0" max ht fence at front with new rolling driveway gate. construct new driveway and alter existing driveway. |Permit application closed|TMK 7-4-002:086 [11200 sq ft.] 0.257 ac. POID= 12297**

Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Structure other than building & unclassified
Permit Number:	739141
Status:	Permit application closed
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	AMBROSIO, ALAN

ADJOINING PROPERTY FINDINGS

Date:	**8/23/2005**
Permit Type:	
Description:	**Electrical: Replace existing meter with new 100 AMP meter (overhead) and relocate to front of house. Rewire house.**
Permit Description:	
Work Class:	ELECTRICAL WORK
Proposed Use:	1 - Single Family
Permit Number:	584750
Status:	Permit application closed
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	None

Date:	**7/25/1973**
Permit Type:	
Description:	
Permit Description:	
Work Class:	ADDITION, DEMOLITION, ELECTRICAL WORK, PLUMBING WO
Proposed Use:	1 - Single Family
Permit Number:	013127(HIST)
Status:	Converted
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	ARTISTIC BUILDERS INC

ADJOINING PROPERTY FINDINGS

166 MAKANI AVE

Date:	**1/10/2001**
Permit Type:	
Description:	**(BP #517129) [TMK: 74002038] RAYMOND NISHIKAWA / upgrade wiring**
Permit Description:	
Work Class:	ELECTRICAL WORK
Proposed Use:	1 - Single Family
Permit Number:	517129
Status:	Permit application closed
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	None

Date:	**12/5/2000**
Permit Type:	
Description:	**REPLACE EXISTING METER MAIN & DISTRIBUTION PANEL**
Permit Description:	
Work Class:	
Proposed Use:	1 - Single Family
Permit Number:	515939
Status:	Permit application closed
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	None

ADJOINING PROPERTY FINDINGS

173 MAKANI AVE

Date:	**1/18/2012**
Permit Type:	**Residential**
Description:	**Scott - New Photovoltaic System**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Single Family
Permit Number:	684831
Status:	Permit application closed
Valuation:	$54,000.00
Contractor Company:	
Contractor Name:	SolarCity Corporation

Date:	**9/23/2011**
Permit Type:	**Residential**
Description:	**Electric Vehicle Charger Installation - MM#: MM2011-0011. Charger to be installed per pre-approved details.**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Single Family
Permit Number:	678387
Status:	Permit application closed
Valuation:	$2,500.00
Contractor Company:	
Contractor Name:	None

ADJOINING PROPERTY FINDINGS

Date: **2/1/2007**
Permit Type:
Description: **INSTALL MITSUBISHI AIR CONDITION SPLIT SYSTEM, WITH ELECTRICAL FOR A/C WIRING**

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 608228
Status: Permit application closed
Valuation: $800.00
Contractor Company:
Contractor Name: ALOHA ELECTRIC INC

Date: **10/20/2006**
Permit Type:
Description: **NEW LOWER FLOOR ADDITION / ALTERATION TO EX 2-STORY DWELLING**

Permit Description:
Work Class: ADDITION, ALTERATION, ELECTRICAL WORK, PLUMBING WO
Proposed Use: 1 - Single Family
Permit Number: 603707
Status: Permit application closed
Valuation: $110,000.00
Contractor Company:
Contractor Name: FELLOWS CONSTRUCTION

Date: **10/30/1995**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 378999
Status: Completed
Valuation: $1,700.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **10/20/1972**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING
Proposed Use: 1 - Single Family
Permit Number: 127254(HIST < 1973)
Status: Converted
Valuation: $37,000.00
Contractor Company:
Contractor Name: HICKS

176 MAKANI AVE

Date: **7/28/2005**
Permit Type:
Description: **ENCLOSE EXISTING PATIO TO BECOME FAMILY ROOM, NEW STORAGE AND ADD NEW BATHROOM**

Permit Description:
Work Class: ADDITION, ALTERATION, ELECTRICAL WORK, PLUMBING WO
Proposed Use: 1 - Single Family
Permit Number: 583621
Status: Permit application closed
Valuation: $26,000.00
Contractor Company:
Contractor Name: VIERRA, ADAM AND ROXANNE

ADJOINING PROPERTY FINDINGS

Date: **5/6/2002**
Permit Type:
Description: **NEW COVERED LANAI AT REAR OF DWELLING**

Permit Description:
Work Class: ADDITION
Proposed Use: 1 - Single Family
Permit Number: 534387
Status: Permit application closed
Valuation: $15,000.00
Contractor Company:
Contractor Name: VIERRA, ADAM AND ROXANNE

Date: **3/17/1980**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 136537(HIST)
Status: Converted
Valuation: $1,000.00
Contractor Company:
Contractor Name: None

181 MAKANI AVE

Date: **12/4/2012**
Permit Type: **Residential**
Description: **- Addition: Extend existing pigeon cage. 2012/IBP18022**

Permit Description:
Work Class: HOT HSE,TOOL SHED,WORKSHOP,BATHHOUSE
Proposed Use: Shed
Permit Number: 710811
Status: Permit application closed
Valuation: $2,000.00
Contractor Company:
Contractor Name: Yamauchi, Matsuko

ADJOINING PROPERTY FINDINGS

Date: **5/30/2000**
Permit Type:
Description: **solar permit**

Permit Description:
Work Class: ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 509097
Status: Permit application closed
Valuation: $3,800.00
Contractor Company:
Contractor Name: EKIMURA, BRUCE K DBA ALTERNATE ENERGY CO (C 26041)

Date: **1/21/1997**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 398541
Status: Completed
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **1/16/1986**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ADDITION, ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 219073
Status: Completed
Valuation: $14,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **4/2/1982**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING
Proposed Use: 16 - Shed
Permit Number: 166435(HIST)
Status: Converted
Valuation: $250.00
Contractor Company:
Contractor Name:

Date: **1/21/1982**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 164230(HIST)
Status: Converted
Valuation: $1,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

OHAI PL

302 OHAI PL

Date:	**10/23/1997**
Permit Type:	
Description:	
Permit Description:	
Work Class:	FENCE
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	409590
Status:	Completed
Valuation:	$3,600.00
Contractor Company:	
Contractor Name:	HA-Y-N CONTRACTORS

304 OHAI PL

Date:	**5/6/2019**
Permit Type:	**Residential**
Description:	**Dwelling/Single Family New Fence Installation - Fence Height: 72 inches - Fence Material: Wrought Iron - Estmated Value Of Work: $5,000.00**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	832149
Status:	Permit revoked
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	Homeland Construction LLC

ADJOINING PROPERTY FINDINGS

318 OHAI PL

Date:	**6/30/2011**
Permit Type:	**Commercial**
Description:	**-- UPGRADE (3X) ELECTRICAL METERS (FROM 70AMP TO 100AMP EACH) AND RELOCATE FROM LEFT-FRONT TO FRONT LEFT OF BUILDING (2011/IBP04737)**
Permit Description:	
Work Class:	APARTMENT (3 OR MORE)
Proposed Use:	Apartment
Permit Number:	673765
Status:	Inspection(s) in Progress
Valuation:	$2,500.00
Contractor Company:	
Contractor Name:	None

Date:	**7/16/2002**
Permit Type:	
Description:	**REPAIR ROOF, INTERIOR WALLS, CABINET, FLOORING, STEPS, RAILING AND PAINTING IN AND OUT (NO ALTERATION AND ADDITION WORK)**
Permit Description:	
Work Class:	REPAIR
Proposed Use:	3 - Apartment
Permit Number:	537029
Status:	Permit application closed
Valuation:	$58,000.00
Contractor Company:	
Contractor Name:	KULANI CONSTRUCTION MR. THOMAS K. ADOLPHO

ADJOINING PROPERTY FINDINGS

322 OHAI PL

Date:	**5/25/2018**
Permit Type:	**Commercial**
Description:	**/Public Utility Building [TMK: 73001051] (8/66) Ohai Place Wastewater Pump Station-- Electrical and SCADA Improvement. JOB NO CT-ENV 1400382**
Permit Description:	
Work Class:	OTHERS
Proposed Use:	WASTEWATER PUMP STATION
Permit Number:	817949
Status:	Permit application closed
Valuation:	$518,755.00
Contractor Company:	
Contractor Name:	American Piping & Boiler Co., Shane Lau, PE

324 OHAI PL

Date:	**11/10/2005**
Permit Type:	
Description:	**Add 1/2" gyp board to existing single wall construction.**
Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	ALTERATION
Proposed Use:	3 - Apartment
Permit Number:	588529
Status:	Permit application closed
Valuation:	$9,600.00
Contractor Company:	
Contractor Name:	COLBURN BUILDERS INC

ADJOINING PROPERTY FINDINGS

Date: **4/24/1974**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 028994(HIST)
Status: Converted
Valuation: $15.00
Contractor Company:
Contractor Name:

Date: **7/10/1973**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 3 - Apartment
Permit Number: 011878(HIST)
Status: Converted
Valuation: $15.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

OHAI ST

147 OHAI ST

Date: **3/25/1981**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK, PLUMBING WORK, OTHER WORK
Proposed Use: 1 - Single Family
Permit Number: 151903(HIST)
Status: Converted
Valuation: $3,000.00
Contractor Company:
Contractor Name: OLOMANA BUILDERS INC.

Date: **5/1/1974**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION
Proposed Use: 2 - Two Family
Permit Number: 029467(HIST)
Status: Converted
Valuation: $1,000.00
Contractor Company:
Contractor Name: RUFINO MADOLORA

ADJOINING PROPERTY FINDINGS

Date: **5/24/1973**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 2 - Two Family
Permit Number: 008843(HIST)
Status: Converted
Valuation: $20,000.00
Contractor Company:
Contractor Name: RUFINO MADALORA

Date: **9/21/1972**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING
Proposed Use: 1 - Single Family
Permit Number: 125772(HIST < 1973)
Status: Converted
Valuation: $40,000.00
Contractor Company:
Contractor Name: MR & MRS RUFINO MADOLORA

Date: **4/12/1972**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 117217(HIST < 1973)
Status: Converted
Valuation: $500.00
Contractor Company:
Contractor Name: RUFINO MADOLORA

ADJOINING PROPERTY FINDINGS

165 OHAI ST

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433925
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433917
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433918
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433920
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433921
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433922
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **7/16/1999**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use:
Permit Number: 433923
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/19/1994**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 355047
Status: Completed
Valuation: $2,500.00
Contractor Company:
Contractor Name: PACIFIC FENCE

Date: **9/13/1993**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 341265
Status: Completed
Valuation: $4,000.00
Contractor Company:
Contractor Name: K&K DEVELOPMENT

ADJOINING PROPERTY FINDINGS

Date: **9/12/1974**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 037318(HIST)
Status: Converted
Valuation: $35.00
Contractor Company:
Contractor Name:

175 OHAI ST

Date: **10/2/1996**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 394666
Status: Completed
Valuation: $7,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

176 OHAI ST

Date:	**2/22/2011**
Permit Type:	**Residential**
Description:	**VINE3 LLC OHAI APARTMENTS, PAT LOW - New Fence Installation - Fence Height: 72 inches - Fence Material: Vinyl - Estmated Value Of Work: $751.00**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	667889
Status:	Permit application closed
Valuation:	$751.00
Contractor Company:	
Contractor Name:	BEST VINYL LLC

Date:	**2/15/2001**
Permit Type:	
Description:	**REPLACE 10 NEW METER MAINS FOR APT. UNITS AND ONE COMMERCIAL GRADE 100 AMP METER MAIN FOR EXTERIOR LIGHTING AND PLUGS.**
Permit Description:	
Work Class:	ELECTRICAL WORK
Proposed Use:	3 - Apartment
Permit Number:	518294
Status:	Permit application closed
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**8/23/2000**
Permit Type:	
Description:	**(BP #512185) [TMK: 73001027] SMITH FOTI / Interior repair, no additional plumbing fixtures**
Permit Description:	
Work Class:	REPAIR, ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	3 - Apartment
Permit Number:	512185
Status:	Permit application closed
Valuation:	$70,000.00
Contractor Company:	
Contractor Name:	CHRISCONTRACT, INC.

Date:	**5/19/1987**
Permit Type:	
Description:	
Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	REPAIR
Proposed Use:	3 - Apartment
Permit Number:	238856
Status:	Completed
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	H MONMA GEN'L CONTR

ADJOINING PROPERTY FINDINGS

186 OHAI ST

Date:	**2/22/2011**
Permit Type:	**Residential**
Description:	**VINE3 LLC, PAT LOW - New Fence Installation - Fence Height: 72 inches - Fence Material: Vinyl - Estmated Value Of Work: $6,763.00**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	667888
Status:	Permit application closed
Valuation:	$6,763.00
Contractor Company:	
Contractor Name:	BEST VINYL LLC

Date:	**10/24/2001**
Permit Type:	
Description:	**-CONSTRUCT MAX HT 6FT CMU FENCE ALONG LEFT AND RIGHT SIDE OF PROPERTY; 18FT EXTENSION TO EXISTNG DRIVEWAY**
Permit Description:	
Work Class:	
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	527735
Status:	Permit application closed
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **12/23/1999**
Permit Type:
Description: **(BP #503385) Construct cmu wall and add to existing driveway. For Michael Ramos phone number 488-6194 @ 99-1159/A Aiea Hgt. Drive**

Permit Description:
Work Class:
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 503385
Status: Permit revoked
Valuation: $3,000.00
Contractor Company:
Contractor Name: Ramos, Michael D.

Date: **7/15/1996**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 391232
Status: Completed
Valuation: $1,435.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

204 OHAI ST

Date:	**8/6/2003**
Permit Type:	
Description:	**Electrical: replace existing electrical meter with new electrical meter in same location (mid-right side of apt bldg).**
Permit Description:	
Work Class:	
Proposed Use:	3 - Apartment
Permit Number:	552911
Status:	Permit application closed
Valuation:	$500.00
Contractor Company:	
Contractor Name:	None

Date:	**10/14/1991**
Permit Type:	
Description:	
Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	ELECTRICAL WORK
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	308839
Status:	Completed
Valuation:	$450.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **2/19/1988**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 250460
Status: Completed
Valuation: $5,000.00
Contractor Company:
Contractor Name: ANCHETA BLDRS

225 OHAI ST

Date: **12/5/1990**
Permit Type:
Description:

Permit Description: **1 - New**
Work Class: ELECTRICAL WORK, FENCE,OTHER WORK
Proposed Use: 16 - Shed
Permit Number: 295184
Status: Completed
Valuation: $6,000.00
Contractor Company:
Contractor Name:

Date: **8/7/1981**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 157716(HIST)
Status: Converted
Valuation: $200.00
Contractor Company:
Contractor Name: None

ADJOINING PROPERTY FINDINGS

237 OHAI ST

Date:	**9/26/2013**
Permit Type:	**Commercial**
Description:	**WAHIAWA VILLAS, LLC - Rewire units, & replace plumbing fixtures - No structural changes & replace w/ like or similar materials w/ interior work only.|Permit application closed|TMK 7-3-001:035 [7991 sq ft.] 0.183 ac. POID= 12635**

Permit Description:	
Work Class:	APARTMENT (3 OR MORE)
Proposed Use:	Apartment
Permit Number:	733531
Status:	Permit application closed
Valuation:	$33,000.00
Contractor Company:	
Contractor Name:	Hua Xia Building & Construction

Date:	**10/28/1991**
Permit Type:	
Description:	

Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	REPAIR
Proposed Use:	3 - Apartment
Permit Number:	309432
Status:	Completed
Valuation:	$500.00
Contractor Company:	
Contractor Name:	ALL POSSIBLE BLDRS

ADJOINING PROPERTY FINDINGS

Date: **12/3/1990**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 295108
Status: Completed
Valuation: $1,200.00
Contractor Company:
Contractor Name: VOLT CONSTRUCTION

Date: **2/17/1988**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 250371
Status: Completed
Valuation: $450.00
Contractor Company:
Contractor Name:

244 OHAI ST

Date: **3/21/1995**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 366943
Status: Completed
Valuation: $800.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

OLIVE AVE

617 OLIVE AVE

Date:	**9/26/2011**
Permit Type:	**Residential**
Description:	**- Demolition of existing single family dwelling. Debris to P.V.T. landfill**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	678587
Status:	Permit application closed
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	TAJIRI DEMOLITON & DISPOSAL

Date:	**9/26/2011**
Permit Type:	**Residential**
Description:	**623 Olive Ave / Betsy Maesaka - Demolition of existing single family dwelling. Debris to P.V.T. landfill**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	678589
Status:	Permit application closed
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	TAJIRI DEMOLITON & DISPOSAL

ADJOINING PROPERTY FINDINGS

Date: **7/22/1993**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 338627
Status: Completed
Valuation: $700.00
Contractor Company:
Contractor Name:

Date: **2/22/1973**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 002742(HIST)
Status: Converted
Valuation: $150.00
Contractor Company:
Contractor Name:

Date: **2/14/1973**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 002254(HIST)
Status: Converted
Valuation: $150.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

PINE ST

520 PINE ST

Date:	**6/7/2022**
Permit Type:	**Commercial**
Description:	**[TMK: 74001007] (1/38) 520 Pine St. // SilverCrest Apartments - New Fire Alarm System.**

Permit Description:	
Work Class:	APARTMENT (3 OR MORE)
Proposed Use:	APT
Permit Number:	879620
Status:	Permit application closed
Valuation:	$145,000.00
Contractor Company:	
Contractor Name:	Hawaiian Isle Electric LLC

Date:	**9/29/1993**
Permit Type:	
Description:	

Permit Description:	
Work Class:	ELECTRICAL WORK, FENCE,OTHER WORK
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	342280
Status:	Completed
Valuation:	$30,000.00
Contractor Company:	
Contractor Name:	STEELTECH INC

ADJOINING PROPERTY FINDINGS

Date: **9/29/1993**
Permit Type:
Description:

Permit Description: **1 - New**
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK, FENC
Proposed Use: 3 - Apartment
Permit Number: 342281
Status: Completed
Valuation: $2,970,000.00
Contractor Company:
Contractor Name: STEELTECH INC

Date: **5/19/1993**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 7 - Industrial
Permit Number: 335684
Status: Completed
Valuation: $1,500.00
Contractor Company:
Contractor Name: STEELTECH INC

Date: **5/19/1993**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 335685
Status: Completed
Valuation: $1,000.00
Contractor Company:
Contractor Name: STEELTECH INC

ADJOINING PROPERTY FINDINGS

529 PINE ST

Date:	**7/12/2021**
Permit Type:	**Commercial**
Description:	**[TMK: 74001002] 529 PINE ST. // PINE APARTMENTS LLC - Sitework to Include New Retaining Wall on Vacant Lot**
Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Retaining Wall
Permit Number:	866462
Status:	Inspection(s) in Progress
Valuation:	$34,500.00
Contractor Company:	
Contractor Name:	Coulter Construction

549 PINE ST

Date:	**6/24/2024**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 8 PV INVERTER COUNT: 1 # of PV Circuits: 1**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	909641
Status:	Inspection(s) in Progress
Valuation:	$19,500.00
Contractor Company:	
Contractor Name:	SUNRUN INSTALLATION SVS INC

ADJOINING PROPERTY FINDINGS

Date:	**2/13/2017**
Permit Type:	**Residential**
Description:	**Dwelling/Single Family - ADDITION/ ALTERATION TO EX. SFD- NEW CARPORT**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	SINGLE FAMILY DWELLING
Permit Number:	798919
Status:	Permit application closed
Valuation:	$7,175.00
Contractor Company:	
Contractor Name:	

Date:	**6/1/2015**
Permit Type:	**Residential**
Description:	**- NEW 12' WIDE DRIVEWAY - REMOVE A PORTION OF CHAINLINK FENCE ON CMU WALL AT FRONT LEFT OF PROPERTY ALONG WALKER AVE. |Permit application closed|TMK 7-4-001:001 [7812 sq ft.] 0.179 ac. POID= 12631**

Permit Description:	
Work Class:	DRIVEWAY, SIDEWALK, CURBING
Proposed Use:	Other non residential
Permit Number:	767146
Status:	Permit application closed
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	Soma , Norman H.

ADJOINING PROPERTY FINDINGS

Date: **8/14/2007**
Permit Type:
Description: **New chainlink fence on top of new CMU fence walls and new CMU columns 5'-4" maximum hgt at front, left, and rear of property.**

Permit Description:
Work Class:
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 616086
Status: Permit application closed
Valuation: $2,000.00
Contractor Company:
Contractor Name: Soma , Norman H.

Date: **7/3/2007**
Permit Type:
Description: **NEW COVERED PATIO**

Permit Description:
Work Class: ADDITION, ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 614473
Status: Permit application closed
Valuation: $10,000.00
Contractor Company:
Contractor Name: TROPICAL BUILDERS LLC

Date: **12/22/2004**
Permit Type:
Description: **NEW ONE-STORY SINGLE FAMILY DWELLING**

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 574533
Status: Permit application closed
Valuation: $140,000.00
Contractor Company:
Contractor Name: SOMA, M/M NORMAN

ADJOINING PROPERTY FINDINGS

Date: **10/11/1972**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 126655(HIST < 1973)
Status: Converted
Valuation: $500.00
Contractor Company:
Contractor Name: MR & MRS MAMORU HIROSHIGE

Date: **5/12/1971**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ALTERATION
Proposed Use: 1 - Single Family
Permit Number: 101835(HIST < 1973)
Status: Converted
Valuation: $3,000.00
Contractor Company:
Contractor Name: H MONMA GEN'L CONTRACTOR INC

ADJOINING PROPERTY FINDINGS

S KAMEHAMEHA HWY

114 S KAMEHAMEHA HWY

Date:	**7/12/2018**
Permit Type:	**Commercial**
Description:	**Restaurant/Store [TMK: 74001019, 74001016, *164090, 74001017] [TMK: 74001019, *164090] 114 S, Kamehameha Hwy// McDonalds Wahiawa / Alterations to existing dining room (FRM TMK 7-4-001:16 & 17) [THIRD PARTY REVIEW]**
Permit Description:	
Work Class:	RESTAURANTS,DRIVE-IN,BAR,LAUNDERETTE,ETC
Proposed Use:	Restaurant
Permit Number:	819799
Status:	Permit application closed
Valuation:	$50,000.00
Contractor Company:	
Contractor Name:	ASSOCIATED BUILDERS INCSKIPPY'S PLUMBING &LB ELECTRIC INC

Date:	**9/5/2000**
Permit Type:	
Description:	**Retrofit ansul system for all electric grills and fryers with circuit interruption devices to meet new fire code.**
Permit Description:	
Work Class:	ELECTRICAL WORK
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	512559
Status:	Permit application closed
Valuation:	$3,500.00
Contractor Company:	
Contractor Name:	None

ADJOINING PROPERTY FINDINGS

Date: **1/25/1999**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 18 - Store
Permit Number: 426824
Status: Completed
Valuation: $75,000.00
Contractor Company:
Contractor Name: CONSTRUCTION ASSOCIATES INC

Date: **12/29/1998**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 425978
Status: Completed
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **9/29/1998**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK, OTHE
Proposed Use: 18 - Store
Permit Number: 422626
Status: Completed
Valuation: $387,000.00
Contractor Company:
Contractor Name: CONSTRUCTION ASSOC INC

ADJOINING PROPERTY FINDINGS

Date: **9/29/1998**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK, OTHER WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 422627
Status: Completed
Valuation: $8,000.00
Contractor Company:
Contractor Name: CONSTRUCTION ASSOC INC

Date: **3/3/1980**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 18 - Store
Permit Number: 135903(HIST)
Status: Converted
Valuation: $60,000.00
Contractor Company:
Contractor Name: JOHN TOTAN

Date: **3/19/1974**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 19 - Other non residential
Permit Number: 026796(HIST)
Status: Converted
Valuation: $4,500.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **10/26/1973**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 18 - Store
Permit Number: 018964(HIST)
Status: Converted
Valuation: $5,000.00
Contractor Company:
Contractor Name: DEMOLITION ENGINEERING

135 S KAMEHAMEHA HWY

Date: **2/21/2014**
Permit Type: **Commercial**
Description: **Walgreens Pharmacy 13838 -- Electrical Hook-up |Inspection(s) in Progress|TMK 7-3-002:002 [10000 sq ft.] 0.23 ac. POID= 12450 | 141 S KAM HWY Wahiawa 96786 01/01/1800 to Current TAXPIN = 12450|TMK *-1-657:75 [39702 sq ft.] ac. POID= 165775 | 135 S KAM HWY Wahiawa 96786 11/22/2013 to Current TAXPIN = |TMK 7-3-002:001 [19991 sq ft.] 0.459 ac. POID= 12480**

Permit Description:
Work Class: SUPERMARKET W/SPECIAL PARKING - GEM,ETC
Proposed Use: Store
Permit Number: 743216
Status: Inspection(s) in Progress
Valuation: $150.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**3/22/2012**
Permit Type:	**Commercial**
Description:	**ELECTRICAL SIGN HOOK-UP**

Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Store
Permit Number:	688512
Status:	Inspection(s) in Progress
Valuation:	$300.00
Contractor Company:	
Contractor Name:	

Date:	**3/15/2012**
Permit Type:	**Commercial**
Description:	**SITE WORK FOR NEW BUILDING. PARKING, DRIVEWAY, IRRIGATION, LIGHTING, TRANSFORMER PAD [THIRD PARTY REVIEW]**

Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Store
Permit Number:	688116
Status:	Inspection(s) in Progress
Valuation:	$100,000.00
Contractor Company:	
Contractor Name:	SWINERTON BUILDERS

ADJOINING PROPERTY FINDINGS

138 S KAMEHAMEHA HWY

Date:	**4/12/2024**
Permit Type:	**Commercial**
Description:	**[TMK: 74001014] 138 S KAM HWY // L & L HAWAIIAN BARBECUE - ELECTRICAL HOOKUP TO SIGN [SIGN MULTIAPP: S2024-04-0003]**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	ELECTRICAL
Permit Number:	907035
Status:	Inspection(s) in Progress
Valuation:	$500.00
Contractor Company:	
Contractor Name:	CERTIFIED ELECTRICAL SERVICES LLC

Date:	**2/18/2020**
Permit Type:	**Commercial**
Description:	**Restaurants/Store [TMK: 74001014] 138 S KAM HWY // L & L DRIVE INN - REPLACE KITCHEN HOOD [THIRD PARTY REVIEW]**
Permit Description:	
Work Class:	RESTAURANTS,DRIVE-IN,BAR,LAUNDERETTE,ETC
Proposed Use:	RESTAURANT
Permit Number:	845529
Status:	Inspection(s) in Progress
Valuation:	$18,000.00
Contractor Company:	
Contractor Name:	Lau, Kai K.

ADJOINING PROPERTY FINDINGS

Date: **2/26/1992**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 314821
Status: Completed
Valuation: $200.00
Contractor Company:
Contractor Name:

Date: **2/23/1977**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 18 - Store
Permit Number: 079550(HIST)
Status: Converted
Valuation: $75,000.00
Contractor Company:
Contractor Name: TOWN & COUNTRY DEV

Date: **2/11/1975**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 043752(HIST)
Status: Converted
Valuation: $400.00
Contractor Company:
Contractor Name: RURAL CONT

ADJOINING PROPERTY FINDINGS

Date: **2/11/1975**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 043753(HIST)
Status: Converted
Valuation: $400.00
Contractor Company:
Contractor Name: RURAL TRACTOR

Date: **2/11/1975**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 043754(HIST)
Status: Converted
Valuation: $400.00
Contractor Company:
Contractor Name: RURAL TRACTOR

Date: **2/11/1975**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 18 - Store
Permit Number: 043755(HIST)
Status: Converted
Valuation: $600.00
Contractor Company:
Contractor Name: RURAL TRACTOR

ADJOINING PROPERTY FINDINGS

141 S KAMEHAMEHA HWY

Date: **10/20/1993**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 343426
Status: Completed
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **4/1/1971**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 099793(HIST < 1973)
Status: Converted
Valuation: $400.00
Contractor Company:
Contractor Name: DON MASUTANI INC

Date: **4/1/1971**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 099794(HIST < 1973)
Status: Converted
Valuation: $400.00
Contractor Company:
Contractor Name: DON MASUTANI INC

ADJOINING PROPERTY FINDINGS

146 S KAMEHAMEHA HWY

Date:	**6/17/2020**
Permit Type:	**Commercial**
Description:	**[TMK: 74001012, 74001013] 146 S KAM HWY / TACO BELL WAHIAWA - NEW RESTAURANT [THIRD PARTY REVIEW]**
Permit Description:	
Work Class:	RESTAURANTS,DRIVE-IN,BAR,LAUNDERETTE,ETC
Proposed Use:	RESTAURANT
Permit Number:	849981
Status:	Inspection(s) in Progress
Valuation:	$700,000.00
Contractor Company:	
Contractor Name:	CONSTRUCTION R US INC

Date:	**6/17/2020**
Permit Type:	**Commercial**
Description:	**[TMK: 74001012, 74001013] 146 S KAM HWY / TACO BELL WAHIAWA - DEMO OF EXISTING BLDG ALL DEBRIS TO PVT LANDFILL**
Permit Description:	
Work Class:	RESTAURANTS,DRIVE-IN,BAR,LAUNDERETTE,ETC
Proposed Use:	RESTAURANT
Permit Number:	849983
Status:	Permit application closed
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	CONSTRUCTION R US INC

ADJOINING PROPERTY FINDINGS

Date:	**6/17/2020**
Permit Type:	**Commercial**
Description:	**[TMK: 74001012, 74001013] 146 S KAM HWY / TACO BELL WAHIAWA - SITEWORK [THIRD PARTY REVIEW]**

Permit Description:	
Work Class:	NO STRUCTURE,FOUNDATION,SPRINKLER SYSTEM
Proposed Use:	SITEWORK
Permit Number:	849984
Status:	Permit application closed
Valuation:	$250,000.00
Contractor Company:	
Contractor Name:	Peterson Bros Construction, Inc.

153 S KAMEHAMEHA HWY

Date:	**2/1/2021**
Permit Type:	**Commercial**
Description:	**[TMK: 73002001] 167A & 167C S Kam Hwy. // Chicken in a Barrel & Sugar Coated - Electric Hook-Up for (2)New Wall Signs [Sign: S2020-10-0009]**

Permit Description:	
Work Class:	SIGN,BILL BOARD,MARQUEE,KIOSK,POST,POLE
Proposed Use:	Sign
Permit Number:	860254
Status:	Permit application closed
Valuation:	$500.00
Contractor Company:	
Contractor Name:	VINEYARD INVESTMENT REALTY LLC

ADJOINING PROPERTY FINDINGS

Date:	**1/28/2021**
Permit Type:	**Commercial**
Description:	**[TMK: 73002001, 73002002, *165775 (formerly TMK: 73002003)] 167 & 153 S. Kam Hwy - Wahiawa Cafe - Addition/alteration: New covered walkway extensions, new awning, new roll-up gates, and new storage closet. Convert existing storage closet to restroom.**
Permit Description:	
Work Class:	OTHER
Proposed Use:	Ex Restaurant
Permit Number:	860069
Status:	Permit application closed
Valuation:	$14,828.00
Contractor Company:	
Contractor Name:	NASCIMENTO CLAYTON J

Date:	**9/28/2018**
Permit Type:	**Commercial**
Description:	**Lounge/Other non residential [TMK: 73002001] 153 S Kam Hwy. // Carambas Lounge - Electrical Hook-up for New Wall Sign.**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Lounge
Permit Number:	822746
Status:	Inspection(s) in Progress
Valuation:	$500.00
Contractor Company:	
Contractor Name:	Always On Electric

ADJOINING PROPERTY FINDINGS

Date:	**7/18/2018**
Permit Type:	**Commercial**
Description:	**Restaurant/Store [TMK: 73002001] 153 S Kam Hwy // TEDDY'S BIGGER BURGER / Electrical Hook up for S2018-07-0013**
Permit Description:	
Work Class:	RESTAURANTS,DRIVE-IN,BAR,LAUNDERETTE,ETC
Proposed Use:	Restaurant
Permit Number:	820089
Status:	Permit application closed
Valuation:	$500.00
Contractor Company:	
Contractor Name:	AAA Signs LLCNONEJJA Electric & Kold-Draft LLC

Date:	**1/18/2018**
Permit Type:	**Commercial**
Description:	**Restaurant/Store [TMK: 73002001, 73002002, *165775] [TMK: 73002001, 73002002, *165775] 167 S Kam Hwy // Ono Loco Tacos - Electrical Hook-up for S2017-12-0034**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Commercial
Permit Number:	813027
Status:	Inspection(s) in Progress
Valuation:	$500.00
Contractor Company:	
Contractor Name:	Always On Electric

ADJOINING PROPERTY FINDINGS

Date:	**11/13/2013**
Permit Type:	**Commercial**
Description:	**- Alteration/ Change of use from Office Space to Restaurant -- [04/15/15 Approved REVISED PLANS TO RECONFIGURE FLOOR PLAN W/ NEW SEPARATION WALL AND RELOCATED BATHROOM] 737189/A --- ** EXAMINER PLZ SEE NOTES***** [CUST. ALREADY PAID $200.00 FOR REVISION FEE]|Permit application closed|TMK 7-3-002:001 [19991 sq ft.] 0.459 ac. POID= 12480**

Permit Description:	
Work Class:	RESTAURANTS,DRIVE-IN,BAR,LAUNDERETTE,ETC
Proposed Use:	Store
Permit Number:	737189
Status:	Permit application closed
Valuation:	$42,000.00
Contractor Company:	
Contractor Name:	FAJOTA RICARDO O

Date:	**4/24/2012**
Permit Type:	**Commercial**
Description:	**Teddy's Bigger Burgers Wahiawa - ELECTRICAL HOOK-UP**

Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Store
Permit Number:	690582
Status:	Inspection(s) in Progress
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	OREGON HOME CONSTRUC

ADJOINING PROPERTY FINDINGS

Date:	**3/15/2012**
Permit Type:	**Commercial**
Description:	**NEW 1-STORY RETAIL STORE [THIRD PARTY REVIEW] --- 4/10/12 approved FIRE SPRINKLER WORKING DRAWINGS W/BP# 688115/A**

Permit Description:	
Work Class:	ONE STORY ALONE
Proposed Use:	Store
Permit Number:	688115
Status:	Permit application closed
Valuation:	$668,000.00
Contractor Company:	
Contractor Name:	SWINERTON BUILDERS

Date:	**2/1/2012**
Permit Type:	**Commercial**
Description:	**TEDDY'S BIGGER BURGERS C/O QUAN NGUYEN - INTERIOR RENOVATION OF EX RETAIL SPACE; NEW 500-GALLON GREASE INTERCEPTOR -- 2/17/12 APPROVED REVISED PLANS TO CHANGE SIZE OF GREASE INTERCEPTOR TO 1000-GALLONS W/BP# 685657/A**

Permit Description:	
Work Class:	RESTAURANTS,DRIVE-IN,BAR,LAUNDERETTE,ETC
Proposed Use:	Store
Permit Number:	685657
Status:	Permit application closed
Valuation:	$200,000.00
Contractor Company:	
Contractor Name:	OREGON HOME CONSTRUC

ADJOINING PROPERTY FINDINGS

Date:	**9/30/2011**
Permit Type:	**Commercial**
Description:	**SUPPLEMENT TO FOUNDATION. FOUNDATION BP# 675763 SUPERSTRUCTURE [THIRD PARTY REVIEW]**

Permit Description:	
Work Class:	NO STRUCTURE,FOUNDATION,SPRINKLER SYSTEM
Proposed Use:	Structure other than building & unclassified
Permit Number:	678938
Status:	Inspection(s) in Progress
Valuation:	$1,335,000.00
Contractor Company:	
Contractor Name:	SWINERTON BUILDERS C/O George S. Ehara

Date:	**8/8/2011**
Permit Type:	**Commercial**
Description:	**FOUNDATION ONLY FOR FUTURE STORE [THIRD PARTY REVIEW]**

Permit Description:	
Work Class:	NO STRUCTURE,FOUNDATION,SPRINKLER SYSTEM
Proposed Use:	Structure other than building & unclassified
Permit Number:	675763
Status:	Permit application closed
Valuation:	$668,000.00
Contractor Company:	
Contractor Name:	SWINERTON BUILDERS C/O George S. Ehara

Date:	**3/15/2011**
Permit Type:	**Commercial**
Description:	**DEMO BLDG A WITH DEBRIS TO PVT LANDFILL**

Permit Description:	
Work Class:	ONE STORY ALONE
Proposed Use:	Store
Permit Number:	668740
Status:	Permit application closed
Valuation:	$25,000.00
Contractor Company:	
Contractor Name:	PENHALL COMPANY

ADJOINING PROPERTY FINDINGS

Date: **3/15/2011**
Permit Type: **Commercial**
Description: **DEMO BLDG B WITH DEBRIS TO PVT LANDFILL**

Permit Description:
Work Class: ONE STORY ALONE
Proposed Use: Store
Permit Number: 668741
Status: Permit application closed
Valuation: $5,000.00
Contractor Company:
Contractor Name: PENHALL COMPANY

Date: **7/19/1994**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 355048
Status: Completed
Valuation: $2,000.00
Contractor Company:
Contractor Name: PACIFIC FENCE

Date: **12/4/1990**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 295144
Status: Completed
Valuation: $1,500.00
Contractor Company:
Contractor Name: LT KUWASAKI

ADJOINING PROPERTY FINDINGS

Date: **5/21/1990**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: REPAIR
Proposed Use: 12 - Office Building
Permit Number: 285622
Status: Completed
Valuation: $10,000.00
Contractor Company:
Contractor Name: H MONMA

Date: **2/21/1990**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 281315
Status: Completed
Valuation: $2,000.00
Contractor Company:
Contractor Name: L T KUWASAKI

Date: **9/14/1971**
Permit Type:
Description:

Permit Description:
Work Class: REPAIR
Proposed Use: 1 - Single Family
Permit Number: 108006(HIST < 1973)
Status: Converted
Valuation: $800.00
Contractor Company:
Contractor Name: LEILIHUA STORE LTD

ADJOINING PROPERTY FINDINGS

167 S KAMEHAMEHA HWY

Date:	**3/15/2017**
Permit Type:	**Commercial**
Description:	**Sale or merchandise,stocks of goods,wares,merchandise acc to public/Store 167 S. Kamehameha Hwy - Wahiawa Cafe--Electrical Hook up for S2017-02-0054**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	restaurant
Permit Number:	799995
Status:	Inspection(s) in Progress
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**1/31/2013**
Permit Type:	**Commercial**
Description:	**-- DEMO STORAGE SHED, REPLACE STOREFRONT WINDOWS AND DOORS, UPGRADE ELECTRIC METER.|Inspection(s) in Progress|TMK 7-3-002:001 [19991 sq ft.] 0.459 ac. POID= 12480**
Permit Description:	
Work Class:	2 TO 3 STORY W/ OFFICE ABOVE
Proposed Use:	Store
Permit Number:	715374
Status:	Inspection(s) in Progress
Valuation:	$15,000.00
Contractor Company:	
Contractor Name:	FAJOTA RICARDO O

ADJOINING PROPERTY FINDINGS

Date: **5/19/1995**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 369811
Status: Completed
Valuation: $4,000.00
Contractor Company:
Contractor Name: PACIFIC FENCE

174 S KAMEHAMEHA HWY

Date: **12/11/1995**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 380712
Status: Completed
Valuation: $300.00
Contractor Company:
Contractor Name:

Date: **2/2/1995**
Permit Type:
Description:

Permit Description:
Work Class: PLUMBING WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 364910
Status: Completed
Valuation: $750.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **12/20/1993**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: PLUMBING WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 346139
Status: Completed
Valuation: $400.00
Contractor Company:
Contractor Name:

177 S KAMEHAMEHA HWY

Date: **4/9/2018**
Permit Type: **Commercial**
Description: **Office,prof or service type trans, incl stge or rec&acts,eating/drink-<50/Office Building [TMK: 73001028] 177 S KAM HWY - Wahiawa Business Plaza -- Addition / Alteration (New Ramp)**

Permit Description:
Work Class: OFFICE, 1 TO 3 STORIES
Proposed Use: Commercial
Permit Number: 815901
Status: Permit application closed
Valuation: $15,000.00
Contractor Company:
Contractor Name: HAN C YI

ADJOINING PROPERTY FINDINGS

Date: **7/11/2005**
Permit Type:
Description: **Electrical: EMERGENCY WORK. Remove existing meters and replace with new meters.**

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 12 - Office Building
Permit Number: 582686
Status: Permit application closed
Valuation: $3,000.00
Contractor Company:
Contractor Name: None

Date: **5/26/1995**
Permit Type:
Description:

Permit Description:
Work Class: OTHER WORK
Proposed Use: 5 - Amusement, recreation
Permit Number: 370099
Status: Completed
Valuation: $21,000.00
Contractor Company:
Contractor Name:

Date: **5/12/1995**
Permit Type:
Description:

Permit Description:
Work Class: ALTERATION
Proposed Use: 18 - Store
Permit Number: 369480
Status: Completed
Valuation: $21,000.00
Contractor Company:
Contractor Name: MP BUILDER

ADJOINING PROPERTY FINDINGS

Date: **6/7/1993**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 336372
Status: Completed
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **2/27/1984**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 190389
Status: Completed
Valuation: $900.00
Contractor Company:
Contractor Name:

Date: **11/4/1983**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 186532
Status: Completed
Valuation: $480.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **3/2/1978**
Permit Type:
Description:

Permit Description:
Work Class: ALTERATION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 18 - Store
Permit Number: 097156(HIST)
Status: Converted
Valuation: $8,000.00
Contractor Company:
Contractor Name: RAINBOW BLDRS

Date: **5/8/1975**
Permit Type:
Description:

Permit Description:
Work Class: REPAIR
Proposed Use: 18 - Store
Permit Number: 048505(HIST)
Status: Converted
Valuation: $10,000.00
Contractor Company:
Contractor Name:

Date: **10/10/1972**
Permit Type:
Description:

Permit Description:
Work Class: ALTERATION
Proposed Use: 18 - Store
Permit Number: 126578(HIST < 1973)
Status: Converted
Valuation: $1,250.00
Contractor Company:
Contractor Name: ALFRED SAMANGO

ADJOINING PROPERTY FINDINGS

Date: **1/18/1972**
Permit Type:
Description:

Permit Description:
Work Class: ALTERATION, REPAIR
Proposed Use: 18 - Store
Permit Number: 113514(HIST < 1973)
Status: Converted
Valuation: $1,000.00
Contractor Company:
Contractor Name: A SAMANGO

187 S KAMEHAMEHA HWY

Date: **3/7/1980**
Permit Type:
Description:

Permit Description:
Work Class: ALTERATION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 18 - Store
Permit Number: 136162(HIST)
Status: Converted
Valuation: $60,000.00
Contractor Company:
Contractor Name: ROY TOYOTA

ADJOINING PROPERTY FINDINGS

203 S KAMEHAMEHA HWY

Date:	**3/29/2019**
Permit Type:	**Commercial**
Description:	**Office,prof or service type trans, incl stge or rec&acts,eating/drink-<50/Office Building [TMK: 73001018] 203 S KAM HWY// Wahiawa Business Center - Alteration to existing office space #2**
Permit Description:	
Work Class:	OFFICE, 1 TO 3 STORIES
Proposed Use:	OFFICE
Permit Number:	830685
Status:	Permit application closed
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	HAN C YI

Date:	**1/14/2019**
Permit Type:	**Commercial**
Description:	**Office/Office Building [TMK: 73001018] 203 S. Kamehameha Hwy. Unit 2 / Jackson Hewitt Tax Service - New sign with electrical hookup for S2018-11-0039**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Sign
Permit Number:	827359
Status:	Inspection(s) in Progress
Valuation:	$500.00
Contractor Company:	
Contractor Name:	Pro Design Inc DBA Whittle Signs

ADJOINING PROPERTY FINDINGS

Date: **10/17/2013**
Permit Type: **Commercial**
Description: **Nam Young Don -- Alteration to existg Commercial Bldg|Permit application closed|TMK 7-3-001:018 [7096 sq ft.] 0.163 ac. POID= 12575**

Permit Description:
Work Class: OFFICE, 1 TO 3 STORIES
Proposed Use: Office Building
Permit Number: 735167
Status: Permit application closed
Valuation: $4,000.00
Contractor Company:
Contractor Name: HAN C YI

Date: **1/12/2000**
Permit Type:
Description: **Convert office to barber shop. Add counter , sinks, water heater and 3 electrical outlets.**

Permit Description:
Work Class: ALTERATION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 18 - Store
Permit Number: 503929
Status: Permit application closed
Valuation: $5,000.00
Contractor Company:
Contractor Name: Young, David

Date: **3/22/1995**
Permit Type:
Description:

Permit Description:
Work Class: ALTERATION, ELECTRICAL WORK
Proposed Use: 12 - Office Building
Permit Number: 367018
Status: Completed
Valuation: $7,000.00
Contractor Company:
Contractor Name: POWER SEVEN CONSTR

ADJOINING PROPERTY FINDINGS

Date: **1/25/1995**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 364543
Status: Completed
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **11/22/1994**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ELECTRICAL WORK
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 361958
Status: Completed
Valuation: $450.00
Contractor Company:
Contractor Name:

Date: **3/5/1986**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 220884
Status: Completed
Valuation: $3,000.00
Contractor Company:
Contractor Name: STEEL TECH INC.

ADJOINING PROPERTY FINDINGS

Date: **3/5/1986**
Permit Type:
Description:

Permit Description: **1 - New**
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK, OTHE
Proposed Use: 12 - Office Building
Permit Number: 220885
Status: Completed
Valuation: $100,000.00
Contractor Company:
Contractor Name: STEEL TECH INC.

Date: **11/29/1985**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 18 - Store
Permit Number: 216776
Status: Completed
Valuation: $4,000.00
Contractor Company:
Contractor Name: STEELTECH INC.

Date: **2/26/1976**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK
Proposed Use: 18 - Store
Permit Number: 062251(HIST)
Status: Converted
Valuation: $800.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

217 S KAMEHAMEHA HWY

Date:	**3/18/2024**
Permit Type:	**Commercial**
Description:	**[TMK: 73001033] DISCOUNT WHEEL AND TIRE WAHIAWA - SIGN ELECTRICAL HOOK UP FOR S2023-02-0011**

Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	Retail and Automotive Service
Permit Number:	906008
Status:	Inspection(s) in Progress
Valuation:	$500.00
Contractor Company:	
Contractor Name:	ALOHA SIGNS & GRAPHICS

Date:	**8/14/2023**
Permit Type:	**Commercial**
Description:	**[TMK: 73001033] 217 S Kam Hwy. // Pacific Tire Group - Repairs to Garage and Tire Storage. Change of use from Retail to Retail / Automotive Services.**

Permit Description:	
Work Class:	OTHERS
Proposed Use:	Retail / Automotive
Permit Number:	897311
Status:	Inspection(s) in Progress
Valuation:	$100.00
Contractor Company:	
Contractor Name:	DH CONTRACTING LLC

ADJOINING PROPERTY FINDINGS

Date: **11/2/2007**
Permit Type:
Description: **-- ALTERATION & REPAIR TO EX 1-STORY RETAIL BUILDING**

Permit Description:
Work Class: ALTERATION, REPAIR, ELECTRICAL WORK
Proposed Use: 12 - Office Building
Permit Number: 619432
Status: Permit application closed
Valuation: $40,000.00
Contractor Company:
Contractor Name: LSK Construction & Masonry

WALKER AVE

104 WALKER AVE

Date: **2/26/2021**
Permit Type: **Residential**
Description: **[TMK: 74002022] 104 WALKER AVE / UGALDE / ADDITION/ALTERATION WITH A WET BAR TO EXISITNG TWO FAMILY DETACHED DWELILNG. ***09/11/2021 Bp#861320/A Approved REVISED CHANGED LAYOUT ON PLANS FOR ADDRESSES: 104 WALKER AVE. AND 623 OLIVE AVE.*****

Permit Description:
Work Class: TWO FAMILY DETACHED
Proposed Use: TWO FAMILY DETACHED DWELLING
Permit Number: 861320
Status: Permit application closed
Valuation: $400,000.00
Contractor Company:
Contractor Name: JBE Electrical Services

ADJOINING PROPERTY FINDINGS

120 WALKER AVE

Date:	**10/12/2009**
Permit Type:	
Description:	**New Solar Water Heater Installation - MM#: MM05-5 - (2) 3x8 panels - Flush-Mount - Tank Location: laundry area. Panels to be installed per preapproved details.**
Permit Description:	
Work Class:	ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	647869
Status:	Inspection(s) in Progress
Valuation:	$3,800.00
Contractor Company:	
Contractor Name:	P&T SOLAR COMPANY LTD DBA PONCHO'S SOLAR

123 WALKER AVE

Date:	**4/1/2019**
Permit Type:	**Commercial**
Description:	**Restaurant/Store [TMK: 74001019] McDonald's USA, LLC-REPLACE EXISTING PARKING LOT LIGHT FIXTURES WITH NEW LED FIXTURES (*** 2/13/2019 -- 3RD PARTY REVIEW - ELECTRICAL)**
Permit Description:	
Work Class:	ELECTRICAL
Proposed Use:	COMMERCIAL
Permit Number:	830711
Status:	Permit application closed
Valuation:	$28,000.00
Contractor Company:	
Contractor Name:	SIU'S ELECTRIC CORP

ADJOINING PROPERTY FINDINGS

Date: **4/21/1980**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 137986(HIST)
Status: Converted
Valuation: $1,500.00
Contractor Company:
Contractor Name: ABEL KIM

Date: **6/19/1979**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 9 - Garage (private)
Permit Number: 122896(HIST)
Status: Converted
Valuation: $100.00
Contractor Company:
Contractor Name:

131 WALKER AVE

Date: **8/10/2022**
Permit Type: **Residential**
Description: **New 2-Story SFD.**

Permit Description:
Work Class: SINGLE FAMILY
Proposed Use: SINGLE FAMILY DWELLING
Permit Number: 882262
Status: Permit application closed
Valuation: $700,363.70
Contractor Company:
Contractor Name: CV CONSTRUCTION LLC

ADJOINING PROPERTY FINDINGS

Date: **7/11/2022**
Permit Type: **Residential**
Description: **Demolition to Existing SFD and Carport. All Debri to PVT Landfill.**

Permit Description:
Work Class: SINGLE FAMILY
Proposed Use: SINGLE FAMILY DWELLING
Permit Number: 880861
Status: Inspection(s) in Progress
Valuation: $7,000.00
Contractor Company:
Contractor Name: CV CONSTRUCTION LLC

134 WALKER AVE

Date: **10/1/2012**
Permit Type: **Residential**
Description: **-- UPGRAGE EXISTG 100APMS TO 200 AMPS METER SAME LOCATION**

Permit Description:
Work Class: ELECTRICAL
Proposed Use: Single Family
Permit Number: 703899
Status: Inspection(s) in Progress
Valuation: $1,500.00
Contractor Company:
Contractor Name:

Date: **9/27/2012**
Permit Type: **Residential**
Description: **New Solar Photovoltaic Installation**

Permit Description:
Work Class: SINGLE FAMILY
Proposed Use: Single Family
Permit Number: 703535
Status: Permit application closed
Valuation: $27,000.00
Contractor Company:
Contractor Name: Walter's Electric Inc.

ADJOINING PROPERTY FINDINGS

Date:	**12/4/2008**
Permit Type:	
Description:	**New Solar Water Heater Installation - MM#: MM05-5 - (2) 3x8 panels - Flush-Mount - Tank Location: house closet. Panels to be installed per preapproved details.**
Permit Description:	
Work Class:	ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	635813
Status:	Inspection(s) in Progress
Valuation:	$3,800.00
Contractor Company:	
Contractor Name:	P&T SOLAR COMPANY LTD DBA PONCHO'S SOLAR

Date:	**7/16/1980**
Permit Type:	
Description:	
Permit Description:	
Work Class:	ADDITION, ALTERATION, REPAIR, ELECTRICAL WORK, PLU
Proposed Use:	1 - Single Family
Permit Number:	141736(HIST)
Status:	Converted
Valuation:	$25,000.00
Contractor Company:	
Contractor Name:	PIONEER CONTRACTING

ADJOINING PROPERTY FINDINGS

144 WALKER AVE

Date:	**10/11/2013**
Permit Type:	**Residential**
Description:	**- Repair: Replace existing 5'-0" max ht rolling chainlink driveway gate with a new one at front of property. 2013/IBP08964|Permit application closed|TMK 7-4-002:105 [6600 sq ft.] 0.152 ac. POID= 12295**

Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Structure other than building & unclassified
Permit Number:	734681
Status:	Permit application closed
Valuation:	$12,300.00
Contractor Company:	
Contractor Name:	HK FENCE LLC

Date:	**1/21/1985**
Permit Type:	
Description:	

Permit Description:	
Work Class:	FENCE
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	203128
Status:	Completed
Valuation:	$450.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

149 WALKER AVE

Date:	**2/9/2018**
Permit Type:	**Residential**
Description:	**Dwelling/Single Family REPAIR ROOF & SIDINGS OF EX LAUNDRY AREA AT REAR OF DWELLING, & REMOVE EX METER & REPLACE W/ NEW 200 AMP METER**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	SINGLE FAMILY DWELLING
Permit Number:	813780
Status:	Inspection(s) in Progress
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	Lau, Gene

Date:	**1/8/2010**
Permit Type:	
Description:	**REMOVE EX METER & REPLACE W/ NEW 200 AMP METER (FORMER TMK: 7-4-001:020)**
Permit Description:	
Work Class:	
Proposed Use:	1 - Single Family
Permit Number:	651442
Status:	Inspection(s) in Progress
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	None

ADJOINING PROPERTY FINDINGS

Date: **12/23/2009**
Permit Type:
Description: **NEW SOLAR WATER SYSTEM FOR EXISTING SINGLE FAMILY DWELLING**

Permit Description:
Work Class: ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 650936
Status: Inspection(s) in Progress
Valuation: $3,800.00
Contractor Company:
Contractor Name: C & J Solar Solutions, LLC

Date: **11/24/2008**
Permit Type:
Description: **- NEW 2-STORY SINGLE-FAMILY DWELLING (W/ BAR SINK ON LOWER FLOOR)**

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 635328
Status: Permit application closed
Valuation: $410,000.00
Contractor Company:
Contractor Name: TOM, THEODORE C. K.

Date: **9/4/2008**
Permit Type:
Description: **THEODORE TOM - DEMOLISH EX 2-STORY DWELLING W/ DEBRIS TO PVT LANDFILL (LTR DTD 8/14/08 FROM HISTORIC SITE OFFICE - NEED ARCH SURVEY TO SEE IF QUALIFIES FOR HISTORIC REGISTRY)**

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 631647
Status: Permit application closed
Valuation: $5,000.00
Contractor Company:
Contractor Name: TOM, THEODORE C. K.

ADJOINING PROPERTY FINDINGS

153 WALKER AVE

Date:	**1/9/2016**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation PV Mfr & Model No.: Hyundai Heavy Industries: HiS-M255RG; COUNT: 22 Inverter Mfr & Model No.: Fronius USA Fronius Primo 5.0 -1; COUNT: 1 # of PV Circuits: 2|Permit application closed|TMK 7-4-001:035 [5875 sq ft.] 0.135 ac. POID= 481509**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	780213
Status:	Permit application closed
Valuation:	$22,000.00
Contractor Company:	
Contractor Name:	AMERICAN ELECTRIC CO LLC

154 WALKER AVE

Date:	**1/21/1985**
Permit Type:	
Description:	
Permit Description:	
Work Class:	FENCE
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	203129
Status:	Completed
Valuation:	$450.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

165 WALKER AVE

Date:	**12/22/1999**
Permit Type:	
Description:	**Solar system**
Permit Description:	
Work Class:	PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	503336
Status:	Permit application closed
Valuation:	$4,200.00
Contractor Company:	
Contractor Name:	GSI SOLAR LTD

Date:	**7/26/1989**
Permit Type:	
Description:	
Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	ADDITION, ALTERATION, ELECTRICAL WORK, PLUMBING WO
Proposed Use:	1 - Single Family
Permit Number:	272882
Status:	Completed
Valuation:	$35,000.00
Contractor Company:	
Contractor Name:	SAKODA CONSTRUCTION

Date:	**3/20/1989**
Permit Type:	
Description:	
Permit Description:	
Work Class:	FENCE
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	266951
Status:	Completed
Valuation:	$1,800.00
Contractor Company:	
Contractor Name:	AMERICAN FENCE CO

ADJOINING PROPERTY FINDINGS

Date: **9/8/1981**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ADDITION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 158863
Status: Completed
Valuation: $39,000.00
Contractor Company:
Contractor Name:

Date: **8/7/1981**
Permit Type:
Description:

Permit Description: **1 - New**
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 157729
Status: Completed
Valuation: $34,000.00
Contractor Company:
Contractor Name:

Date: **11/17/1980**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 146512(HIST)
Status: Converted
Valuation: $1,200.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

168 WALKER AVE

Date:	**7/25/2002**
Permit Type:	
Description:	**6' MAX HGT CMU FENCE @ THE REAR OF THE PROPERTY AND 4' MAX HGT CHAIN LINK FENCE ON TOP OF 2' CMU WALL @ PORTION OF THE LEFT SIDE OF THE PROPERTY.**
Permit Description:	
Work Class:	
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	537458
Status:	Permit application closed
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	SHINDO, VIRGINIA

Date:	**4/30/1996**
Permit Type:	
Description:	
Permit Description:	
Work Class:	DEMOLITION
Proposed Use:	1 - Single Family
Permit Number:	387548
Status:	Completed
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **4/30/1996**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use:
Permit Number: 387549
Status: Permit application closed
Valuation: $0.00
Contractor Company:
Contractor Name:

178 WALKER AVE

Date: **2/13/2024**
Permit Type: **Residential**
Description: **Electrical Meter Upgrade from 100 amps to 200 amps / Electrical Rewiring. No additional circuits or relocation of wiring.**

Permit Description:
Work Class: ELECTRICAL
Proposed Use: Single Family Dwelling
Permit Number: 904676
Status: Inspection(s) in Progress
Valuation: $15,000.00
Contractor Company:
Contractor Name: Iosepa Electric and General Contracting

ADJOINING PROPERTY FINDINGS

Date:	**1/19/2024**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 29 PV INVERTER COUNT: 29 # of PV Circuits: 1**
Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	903843
Status:	Inspection(s) in Progress
Valuation:	$29,000.00
Contractor Company:	
Contractor Name:	Iosepa Electric and General Contracting

Date:	**1/31/2002**
Permit Type:	
Description:	**New cmu wall.**
Permit Description:	
Work Class:	
Proposed Use:	1 - Single Family
Permit Number:	530969
Status:	Permit application closed
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	H. Monma Gen Contr Inc Attn: Russel M. Monma

Date:	**11/6/1991**
Permit Type:	
Description:	
Permit Description:	
Work Class:	FENCE
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	309823
Status:	Completed
Valuation:	$2,800.00
Contractor Company:	
Contractor Name:	H MONMA GEN CONTRACTOR

ADJOINING PROPERTY FINDINGS

196 WALKER AVE

Date:	**1/24/2005**
Permit Type:	
Description:	**ADD 2'4" CMU & SCREEN TILE TO EX 3'0" CMU FENCE WALL W/ 5'4" MAX HT AT FRONT OF PROPERTY & GATES**
Permit Description:	
Work Class:	ELECTRICAL WORK
Proposed Use:	20 - Structure other than building & unclassified
Permit Number:	575493
Status:	Permit application closed
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	H. Monma Gen Contr Inc Attn: Russel M. Monma

Date:	**1/31/2002**
Permit Type:	
Description:	**New cmu wall.**
Permit Description:	
Work Class:	
Proposed Use:	1 - Single Family
Permit Number:	530970
Status:	Permit application closed
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	H. Monma Gen Contr Inc Attn: Russel M. Monma

ADJOINING PROPERTY FINDINGS

Date: **11/6/1991**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 309824
Status: Completed
Valuation: $3,500.00
Contractor Company:
Contractor Name: H MONMA GEN CONTRACTOR

Date: **7/23/1985**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 210871
Status: Completed
Valuation: $700.00
Contractor Company:
Contractor Name: H. MONMA

Date: **7/23/1985**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 9 - Garage (private)
Permit Number: 210872
Status: Completed
Valuation: $300.00
Contractor Company:
Contractor Name: H. MONMA

ADJOINING PROPERTY FINDINGS

Date:	**7/23/1985**
Permit Type:	
Description:	
Permit Description:	**4 - Addition, alteration or repair (no change in units)**
Work Class:	ADDITION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	210873
Status:	NK Status
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	H. MONMA

212 WALKER AVE

Date:	**2/3/2010**
Permit Type:	
Description:	**New Solar Water Heater Installation - MM#: MM81-40(1) - (2) 4x8 panels - Rack-Mount - Tank Location: left side of house. Panels to be installed per preapproved details.**
Permit Description:	
Work Class:	ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	652406
Status:	Inspection(s) in Progress
Valuation:	$5,500.00
Contractor Company:	
Contractor Name:	SOLAR HELP HAWAII LLC

ADJOINING PROPERTY FINDINGS

Date: **2/25/1985**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ADDITION, ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 204362
Status: Completed
Valuation: $15,000.00
Contractor Company:
Contractor Name: H. MONMA

Date: **8/15/1977**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 087778(HIST)
Status: Converted
Valuation: $29,000.00
Contractor Company:
Contractor Name: FRIENDLY HOME

Date: **8/11/1977**
Permit Type:
Description:

Permit Description:
Work Class: DEMOLITION
Proposed Use: 1 - Single Family
Permit Number: 087581(HIST)
Status: Converted
Valuation: $500.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

232 WALKER AVE

Date:	**7/5/2005**
Permit Type:	
Description:	**Alterations to existing single-family dwelling. Re-roof, replace damaged interior drywall, and provide decorative wall paneling. Replace existing toilet with low-flow toilet. **Nov 1, 2005 - Change Electrical Contractor to Anh's Electrical Service (remove A & E Electric).**
Permit Description:	
Work Class:	ALTERATION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use:	1 - Single Family
Permit Number:	582457
Status:	Permit application closed
Valuation:	$28,000.00
Contractor Company:	
Contractor Name:	Pacleb, Jr., Pedro

Date:	**4/12/2002**
Permit Type:	
Description:	**Change (upgrade) meter 100A to 200A.**
Permit Description:	
Work Class:	
Proposed Use:	1 - Single Family
Permit Number:	533417
Status:	Permit application closed
Valuation:	$700.00
Contractor Company:	
Contractor Name:	None

ADJOINING PROPERTY FINDINGS

Date: **6/30/1978**
Permit Type:
Description:

Permit Description:
Work Class: REPAIR
Proposed Use: 16 - Shed
Permit Number: 103640(HIST)
Status: Converted
Valuation: $800.00
Contractor Company:
Contractor Name:

Date: **9/29/1977**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 089886(HIST)
Status: Converted
Valuation: $3,800.00
Contractor Company:
Contractor Name:

Date: **12/7/1976**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION
Proposed Use: 1 - Single Family
Permit Number: 076235(HIST)
Status: Converted
Valuation: $800.00
Contractor Company:
Contractor Name: SAME AS ABOVE

ADJOINING PROPERTY FINDINGS

244 WALKER AVE

Date:	**12/6/2022**
Permit Type:	**Residential**
Description:	**New Vinyl Fence @ Left Side of Property**

Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Vinyl Fence
Permit Number:	886956
Status:	Permit application closed
Valuation:	$12,217.00
Contractor Company:	
Contractor Name:	Best Vinyl Fence & Deck LLC

Date:	**4/5/2012**
Permit Type:	**Residential**
Description:	**New one-story single-family dwelling with new solar system. Remove portion of existing vinyl fence & replace with new double swinging vinyl gates. 2012/IBP04014**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	689370
Status:	Inspection(s) in Progress
Valuation:	$190,000.00
Contractor Company:	
Contractor Name:	Pacleb, Pedro D. Jr. and Venefrida R.

ADJOINING PROPERTY FINDINGS

Date:	**4/13/2011**
Permit Type:	**Residential**
Description:	**Pacleb - Demolition of an existing SFD, debris to be taken to PVT landfill**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	670055
Status:	Permit application closed
Valuation:	$8,500.00
Contractor Company:	
Contractor Name:	Pacleb, Pedro D. Jr. and Venefrida R.

Date:	**3/16/2011**
Permit Type:	**Commercial**
Description:	**Remove existing CMU wall at left of property and damaged fence at right of property. Construct new vinyl fence 6'-0" maximum hgt at portion of front and at right of property. 2011/IBP02501**

Permit Description:	
Work Class:	WALL OR FENCE
Proposed Use:	Structure other than building & unclassified
Permit Number:	668764
Status:	Permit application closed
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	Pacleb, Pedro D. Jr. and Venefrida R.

ADJOINING PROPERTY FINDINGS

251 WALKER AVE

Date: **12/28/1978**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK, PLUMBING WORK, OTHER WORK
Proposed Use: 1 - Single Family
Permit Number: 113812(HIST)
Status: Converted
Valuation: $6,565.00
Contractor Company:
Contractor Name: HI GRADE PLUMBING INC

Date: **8/29/1977**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ELECTRICAL WORK
Proposed Use: 2 - Two Family
Permit Number: 088343(HIST)
Status: Converted
Valuation: $5,000.00
Contractor Company:
Contractor Name: ARTISTIC BUILDERS INC

Date: **6/5/1974**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 031563(HIST)
Status: Converted
Valuation: $32,000.00
Contractor Company:
Contractor Name: CHARLES HOSHINO

ADJOINING PROPERTY FINDINGS

Date: **6/5/1974**
Permit Type:
Description:

Permit Description:
Work Class: NEW BUILDING, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 031564(HIST)
Status: Converted
Valuation: $32,000.00
Contractor Company:
Contractor Name: CHARLES HOSHINO

270 WALKER AVE

Date: **11/19/2020**
Permit Type: **Residential**
Description: **New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 33 PV INVERTER COUNT: 1 # of PV Circuits: 3**

Permit Description:
Work Class: SINGLE FAMILY
Proposed Use: Single Family Dwelling
Permit Number: 857278
Status: Permit application closed
Valuation: $57,000.00
Contractor Company:
Contractor Name: Hawaii Energy Connection, LLC

ADJOINING PROPERTY FINDINGS

Date: **8/18/2020**
Permit Type: **Residential**
Description: **Addition & Alteration to Existing SFD to Include New Enclosed Carport**

Permit Description:
Work Class: SINGLE FAMILY
Proposed Use: SINGLE FAMILY DWELLING
Permit Number: 852879
Status: Permit application closed
Valuation: $45,240.00
Contractor Company:
Contractor Name: ACOHIDO, JON

Date: **3/24/2008**
Permit Type:
Description: **REMOVE EX METER & REPLACE W/ NEW 200 AMP METER**

Permit Description:
Work Class:
Proposed Use: 1 - Single Family
Permit Number: 624504
Status: Permit application closed
Valuation: $1,000.00
Contractor Company:
Contractor Name: None

280 WALKER AVE

Date: **5/3/1982**
Permit Type:
Description:

Permit Description:
Work Class: ELECTRICAL WORK, PLUMBING WORK, OTHER WORK
Proposed Use: 1 - Single Family
Permit Number: 167453(HIST)
Status: Converted
Valuation: $2,200.00
Contractor Company:
Contractor Name: GAGNON ENTERPRISES

ADJOINING PROPERTY FINDINGS

319 WALKER AVE

Date:	**11/14/2024**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 16 PV INVERTER COUNT: 1 # of PV Circuits: 2**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	915771
Status:	Inspection(s) in Progress
Valuation:	$27,500.00
Contractor Company:	
Contractor Name:	SUNRUN INSTALLATION SVS INC

Date:	**9/9/2024**
Permit Type:	**Residential**
Description:	**ELECTRICAL METER UPGRADE FROM 100A TO 125A FOR EXISTING TWO FAMILY DETACHED DWELLING**

Permit Description:	
Work Class:	TWO FAMILY DETACHED
Proposed Use:	Two Family Detached
Permit Number:	912578
Status:	Inspection(s) in Progress
Valuation:	$2,500.00
Contractor Company:	
Contractor Name:	SUNRUN INSTALLATION SVS INC

ADJOINING PROPERTY FINDINGS

Date:	**7/9/2024**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 14 PV INVERTER COUNT: 1 # of PV Circuits: 1**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	910130
Status:	Inspection(s) in Progress
Valuation:	$25,500.00
Contractor Company:	
Contractor Name:	SUNRUN INSTALLATION SVS INC

Date:	**6/17/2024**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 8 PV INVERTER COUNT: 1 # of PV Circuits: 1**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	909382
Status:	Inspection(s) in Progress
Valuation:	$19,500.00
Contractor Company:	
Contractor Name:	SUNRUN INSTALLATION SVS INC

ADJOINING PROPERTY FINDINGS

Date: **1/23/2007**
Permit Type:
Description: **ENCLOSE EX COVERED ENTRY OF FRONT UNIT OF EX 2-FAMILY DETACHED DWELLING**

Permit Description:
Work Class: ALTERATION, ELECTRICAL WORK
Proposed Use: 2 - Two Family
Permit Number: 607752
Status: Permit application closed
Valuation: $3,600.00
Contractor Company:
Contractor Name: KAWASAKI, MALCOLM

Date: **9/25/1991**
Permit Type:
Description:

Permit Description: **4 - Addition, alteration or repair (no change in units)**
Work Class: ADDITION, ALTERATION, ELECTRICAL WORK, PLUMBING WO
Proposed Use: 2 - Two Family
Permit Number: 308100
Status: Completed
Valuation: $140,000.00
Contractor Company:
Contractor Name: BLUEPRINT BUILDERS INC

Date: **5/27/1976**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ALTERATION, ELECTRICAL WORK
Proposed Use: 1 - Single Family
Permit Number: 066702(HIST)
Status: Converted
Valuation: $9,000.00
Contractor Company:
Contractor Name: H MONMA GENERAL CONTR INC

ADJOINING PROPERTY FINDINGS

Date: **10/11/1972**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 126654(HIST < 1973)
Status: Converted
Valuation: $500.00
Contractor Company:
Contractor Name: ROBERT SOMA

322 WALKER AVE

Date: **11/10/2005**
Permit Type:
Description: **NEW BATHROOM ADDITION**

Permit Description:
Work Class: ADDITION, ELECTRICAL WORK, PLUMBING WORK
Proposed Use: 1 - Single Family
Permit Number: 588545
Status: Permit application closed
Valuation: $6,000.00
Contractor Company:
Contractor Name: HARVEST, CARNATION

Date: **12/18/1997**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, ALTERATION, ELECTRICAL WORK
Proposed Use:
Permit Number: 411810
Status: Completed
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **8/14/1973**
Permit Type:
Description:

Permit Description:
Work Class: ADDITION, FENCE
Proposed Use: 1 - Single Family
Permit Number: 014658(HIST)
Status: Converted
Valuation: $2,000.00
Contractor Company:
Contractor Name: MRS CARNATION HARVEST

Date: **10/3/1972**
Permit Type:
Description:

Permit Description:
Work Class: FENCE
Proposed Use: 20 - Structure other than building & unclassified
Permit Number: 126324(HIST < 1973)
Status: Converted
Valuation: $200.00
Contractor Company:
Contractor Name: CARNATION S F HARVEST

ADJOINING PROPERTY FINDINGS

WALKER AVE UNIT C

233 WALKER AVE UNIT C

Date:	**5/16/2023**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 33 PV INVERTER COUNT: 33 # of PV Circuits: 3**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	893523
Status:	Inspection(s) in Progress
Valuation:	$51,000.00
Contractor Company:	
Contractor Name:	SOLARTECH HAWAII LLC

Date:	**5/20/2022**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 22 PV INVERTER COUNT: 1 # of PV Circuits: 4**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	879065
Status:	Permit application closed
Valuation:	$18,432.00
Contractor Company:	
Contractor Name:	SolarCity Corporation

ADJOINING PROPERTY FINDINGS

Date:	**11/30/2021**
Permit Type:	**Residential**
Description:	**New Solar Photovoltaic Installation with Battery Storage PV MODULE COUNT: 20 PV INVERTER COUNT: 1 # of PV Circuits: 2**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	872650
Status:	Inspection(s) in Progress
Valuation:	$18,015.00
Contractor Company:	
Contractor Name:	SolarCity Corporation

Date:	**10/4/2016**
Permit Type:	**Residential**
Description:	**Dwelling/Single Family New Fence Installation - Fence Height: 72 inches - Fence Material: Vinyl - Estmated Value Of Work: $8,000.00**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family Dwelling
Permit Number:	793443
Status:	Permit application closed
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	GRANDVIEW CONSTRUCTION LLC

ADJOINING PROPERTY FINDINGS

Date:	**12/11/2015**
Permit Type:	**Residential**
Description:	**- New 2 story SFD, new 5'ht picket fence at front-right of property and new 6'ht vinyl fence at the middle between each dwelling. [eplans multi application project: complete plan set on A2015-10-0103 - all reviews and approvals for A2015-10-0103 & A2015-10-0886, A2015-10-0887 & A2015-10-0889] |Permit application closed|TMK 7-4-001:024 [16740 sq ft.] 0.384 ac. POID= 12555**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	778921
Status:	Permit application closed
Valuation:	$350,000.00
Contractor Company:	
Contractor Name:	GRANDVIEW CONSTRUCTION LLC

Date:	**12/11/2015**
Permit Type:	**Residential**
Description:	**233 WALKER AVE UNIT A // Walker Villa - New 2 story SFD. [eplans multi application project: complete plan set on A2015-10-0103 - all reviews and approvals for A2015-10-0103 & A2015-10-0886, A2015-10-0887 & A2015-10-0889] |Permit application closed|TMK 7-4-001:024 [16740 sq ft.] 0.384 ac. POID= 12555**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	778922
Status:	Permit application closed
Valuation:	$350,000.00
Contractor Company:	
Contractor Name:	GRANDVIEW CONSTRUCTION LLC

ADJOINING PROPERTY FINDINGS

Date:	**12/11/2015**
Permit Type:	**Residential**
Description:	**233 WALKER AVE UNIT B // Walker Villa - New 2 story SFD. [eplans multi application project: complete plan set on A2015-10-0103 - all reviews and approvals for A2015-10-0103 & A2015-10-0886, A2015-10-0887 & A2015-10-0889] |Permit application closed|TMK 7-4-001:024 [16740 sq ft.] 0.384 ac. POID= 12555**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	778923
Status:	Permit application closed
Valuation:	$350,000.00
Contractor Company:	
Contractor Name:	GRANDVIEW CONSTRUCTION LLC

Date:	**12/9/2015**
Permit Type:	**Residential**
Description:	**WALKER AVE LLC - New Fence Installation - Fence Height: 72 inches - Fence Material: Cinder Block (CMU) - Estmated Value Of Work: $10,000.00 |Permit application closed|TMK 7-4-001:024 [16740 sq ft.] 0.384 ac. POID= 12555**

Permit Description:	
Work Class:	SINGLE FAMILY
Proposed Use:	Single Family
Permit Number:	778676
Status:	Permit application closed
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	GRANDVIEW CONSTRUCTION LLC

ADJOINING PROPERTY FINDINGS

Date: **1/13/1992**
Permit Type:
Description:

Permit Description: **7 - Demolition**
Work Class: DEMOLITION
Proposed Use: 16 - Shed
Permit Number: 312793
Status: Completed
Valuation: $150.00
Contractor Company:
Contractor Name:

Date: **10/5/1982**
Permit Type:
Description:

Permit Description:
Work Class: ALTERATION, ELECTRICAL WORK
Proposed Use: 3 - Apartment
Permit Number: 172652(HIST)
Status: Converted
Valuation: $500.00
Contractor Company:
Contractor Name:

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Appendix D

Vapor Encroachment Screening

VAPOR ENCROACHMENT SCREEN

Prepared by: Element Environmental , LLC

7/30/2025

TABLE OF CONTENTS

Executive Summary

Primary Map

Map Findings

Disclaimer - Copyright and Trademark Notice

The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

This report contains information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANYSUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES.ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.**

Purchaser accepts this report "AS IS". Any analyses, estimates, ratings, or risk codes provided in this report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can produce information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2025 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**	CUSA401963

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**	CUSA401964

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**	CUSA401966

WHEELER ARMY AIRFIELD **Not Reported, , HI,**	CUSA401967

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**	CUSA401968

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**	CUSA401969

EXECUTIVE SUMMARY

HECO TRANSFORMER 535 AVOCADO STREET **535 AVOCADO ST, WAHIAWA, HI, 96786**	1006821099

ISLAND POWER HAWAII **567 AVOCADO STREET, WAHIAWA, HI, 96786**	S117391814

SALVATION ARMY WAHIAWA RESIDE **520 PINE ST, WAHIAWA, HI, 96786**	S132377502

CONSUMER TIRE WAREHOUSE OHAI STREET **227 OHAI STREET, WAHIAWA, HI, 96786**	S132377624

CONSUMER TIRE WAREHOUSE **227 OHAI ST, WAHIAWA, HI, 96786**	S132375616

MARCUS AND ASSOCIATES **524 OLIVE ST, WAHIAWA, HI, 96786**	1028283538

WAHIAWA UNION **58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786**	U003154887

EXECUTIVE SUMMARY

WAHIAWA UNION **58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786**	1028283008

F & M FOOD MART CORP **10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786**	U003154917

F & M FOOD MART CORP **10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786**	1028283194

PANDA EXPRESS **609 CALIFORNIA AVE, WAHIAWA, HI, 96786**	S132378262

PANDA EXPRESS **609 CALIFORNIA AVENUE, WAHIAWA, HI, 96786**	S132376936

CALIFORNIA AVENUE 76/7-ELEVEN (#156) **655 CALIFORNIA AVE, WAHIAWA, HI, 96786**	1028283226

C&CH WAHIAWA FIRE STATION **640 CALIFORNIA AVE, WAHIAWA, HI, 96786**	U003986424

EXECUTIVE SUMMARY

C&CH WAHIAWA FIRE STATION **640 CALIFORNIA AVE, WAHIAWA, HI, 96786**	1028283000

YAMA'S TEXACO **805 CALIFORNIA AVE, WAHIAWA, HI, 96786**	1028283507

YAMA'S TEXACO **805 CALIFORNIA AVE, WAHIAWA, HI, 96786**	U003858604

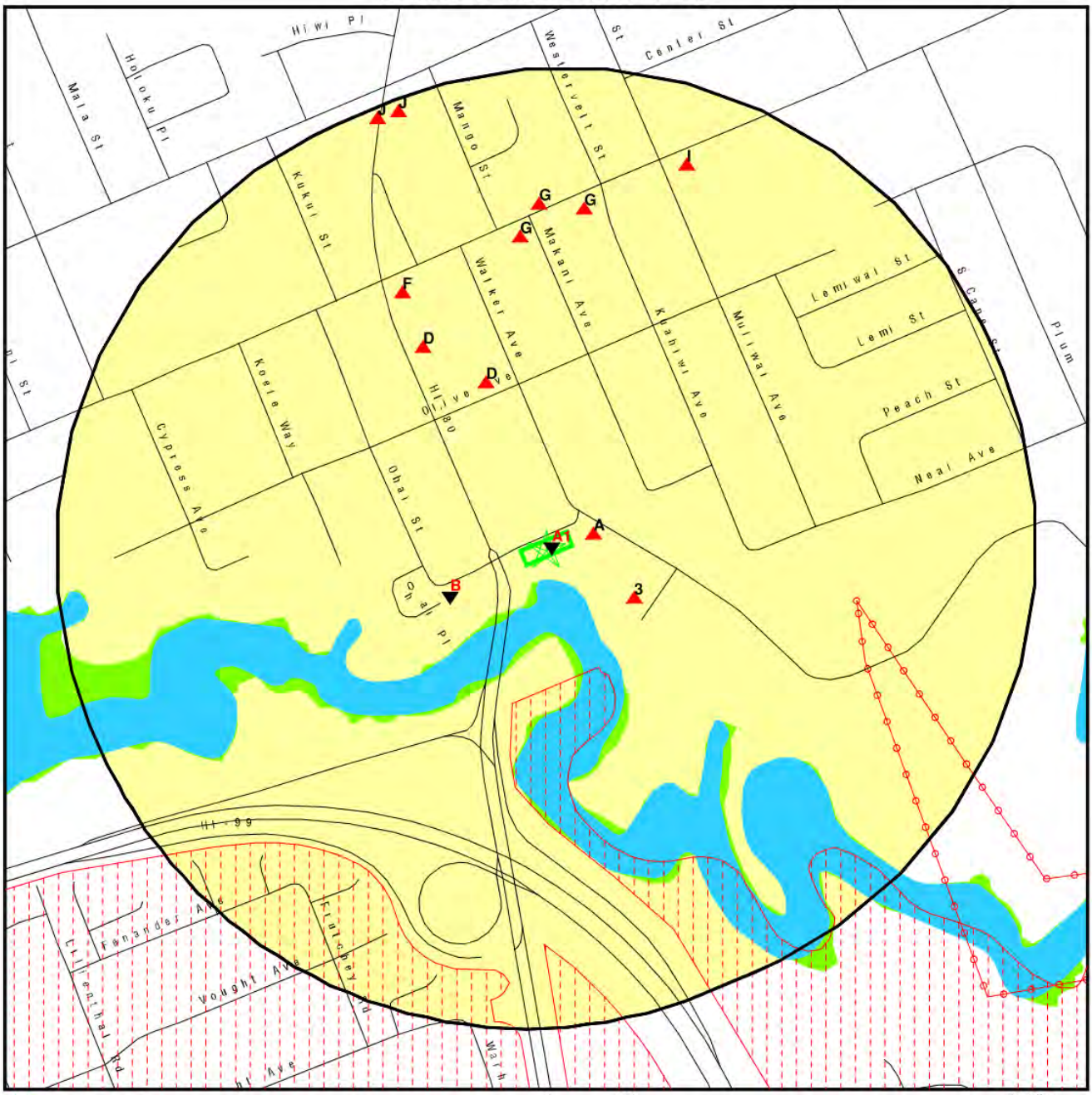
AIM WAHIAWA **150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786**	U001236129

AIM WAHIAWA **150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786**	1028283073

MAHALO WAHIAWA **119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786**	1028283265

MAHALO WAHIAWA **119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786**	U001236337

PRIMARY MAP - 7957252.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: DLNR DOCARE	CLIENT: Element Environmental , LLC
ADDRESS: 525 Avocado St Wahiawa HI 96786	CONTACT: Angie Peltier
LAT/LONG: 21.493146 / 158.027957	INQUIRY #: 7957252.2s DATE: April 14, 2025 2:57 pm

Copyright © 2025 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**			CUSA401963
Map ID: Region	Distance: WSW 1/2 - 1 (4658 ft. / 0.882 mi.)	Elevation:	Other Ascertainable Records

Worksheet:

Database Details:

DOD: Other Ascertainable Records

Site Name:	TROPIC REGIONS TEST CENTER
DOD Component:	Army Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

MAP FINDINGS

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**			CUSA401964
Map ID: Region	Distance: SSE <1/10 (462 ft. / 0.087 mi.)	Elevation:	Other Ascertainable Records

Worksheet:

Database Details:

DOD: Other Ascertainable Records

Site Name:	TROPIC REGIONS TEST CENTER
DOD Component:	Army Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

MAP FINDINGS

TROPIC REGIONS TEST CENTER Not Reported, , HI,			CUSA401966
Map ID: Region	Distance: WSW 1/2 - 1 (5097 ft. / 0.965 mi.)	Elevation:	Other Ascertainable Records

Worksheet:

Database Details:

DOD: Other Ascertainable Records

Site Name:	TROPIC REGIONS TEST CENTER
DOD Component:	Army Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

MAP FINDINGS

WHEELER ARMY AIRFIELD **Not Reported, , HI,**			CUSA401967
Map ID: Region	Distance: SSW 1/10 - 1/3 (1300 ft. / 0.246 mi.)	Elevation:	Other Ascertainable Records

Worksheet:

Database Details:

DOD: Other Ascertainable Records

Site Name:	WHEELER ARMY AIRFIELD
DOD Component:	Army Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

MAP FINDINGS

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**			CUSA401968
Map ID: Region	Distance: S 1/10 - 1/3 (1440 ft. / 0.273 mi.)	Elevation:	Other Ascertainable Records

Worksheet:

Database Details:

DOD: Other Ascertainable Records

Site Name:	TROPIC REGIONS TEST CENTER
DOD Component:	Army Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

MAP FINDINGS

TROPIC REGIONS TEST CENTER **Not Reported, , HI,**			CUSA401969
Map ID: Region	Distance: SSE 1/2 - 1 (3347 ft. / 0.634 mi.)	Elevation:	Other Ascertainable Records

Worksheet:

Database Details:

DOD: Other Ascertainable Records

Site Name:	TROPIC REGIONS TEST CENTER
DOD Component:	Army Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

MAP FINDINGS

HECO TRANSFORMER 535 AVOCADO STREET 535 AVOCADO ST, WAHIAWA, HI, 96786			1006821099
Map ID: A1	Distance: ENE <1/10 (0 ft. / 0 mi.)	Elevation: 1 ft. Lower Elevation 865 ft. Above Sea Level	Records of Emergency Release Reports

Worksheet:

Database Details:

SPILLS: Records of Emergency Release Reports

Name:	HECO TRANSFORMER 535 AVOCADO STREET
Address:	535 AVOCADO ST
Address 2:	Not Reported
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
Supplemental Loc. Text:	Not Reported
Case Number:	19890620
Facility Registry ID:	110013791432
HID Number:	Not Reported
Lead and Program:	HEER EP&R
ER:	Not Reported
Less Or Greater Than:	Not Reported
Units:	HECO Transformer 535 Avocado Street
Activity Type:	Response
Activity Lead:	Not Reported
Assignment End Date:	Not Reported
Result:	SOSC NFA
File Under:	Hawaiian Electric Co., Inc. (HECO)
Substances:	OIL, TRANSFORMER, Possible PCBs
Quanity:	Not Reported
Units:	Not Reported
Reported Date:	Not Reported
Release Date:	Not Reported
Release Duration:	Not Reported
Media:	Not Reported
Waterbody:	Not Reported
Summary:	Not Reported

Is Noteworthy for Reports:	Not Reported
Is the Release a Fugitive Dumping:	Not Reported
Tax Map Key:	Not Reported
Assigned SOSC:	Not Reported
Notified Agencies:	Not Reported
Response Measures Taken:	Not Reported
Incident Report Number:	Not Reported

HECO TRANSFORMER 535 AVOCADO STREET, 535 AVOCADO ST, WAHIAWA, HI, 96786 (Continued)

Coordination Needed:	Not Reported
Tier II Facility:	Not Reported
RMP:	Not Reported
Follow-up Received On:	Not Reported
Cost Recovery:	Not Reported
Invoice To:	Not Reported
Closed Date:	Not Reported
Comments:	Not Reported
Latitude:	21.493131999999999
Longitude:	-158.02796000000001

MAP FINDINGS

ISLAND POWER HAWAII 567 AVOCADO STREET, WAHIAWA, HI, 96786			S117391814
Map ID: A2	Distance: ENE <1/10 (87 ft. / 0.016 mi.)	Elevation: 5 ft. Higher Elevation 871 ft. Above Sea Level	Lists of state- and tribal hazardous waste facilities Records of Emergency Release Reports Other Ascertainable Records

Worksheet:

Database Details:

SHWS: Lists of state- and tribal hazardous waste facilities

IHEER ID:	2527
Name:	USED OIL AST
Address:	567 AVOCADO ST
Address 2:	Not Reported
City,State,Zip:	WAHIAWA, HI 96786
Zip 2:	Not Reported
Lead Agency:	HEER Office
HID Number:	Not Reported
Island:	Oahu
Environmental Interest:	Not Reported
Project Manager:	Not Reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not Reported
Location Description:	567 Avocado St
Supplemental Location:	Not Reported
Potential Hazards And Controls:	Not Reported
Assessment:	Not Reported
Nature of Contamination:	Not Reported
Nature of Residual Contamination:	Not Reported
Use Restrictions:	Not Reported
Program:	State
Description of Restrictions:	Not Reported
Action Completion Date:	Not Reported
Within Designated Areawide Contamination:	Not Reported
Response:	Not Reported
Contact Information:	Not Reported
Engineering Control:	Not Reported
Institutional Control:	Not Reported
Is Public:	Not Reported
Update On:	05/30/2019
Status name:	ASSESSMENT
Aliases:	Brownfields Low Priority Site

ISLAND POWER HAWAII, 567 AVOCADO STREET, WAHIAWA, HI, 96786 (Continued)

Tax Map Keys:	174001005;
Latitude:	21.493074
Longitude:	-158.027557

SPILLS: Records of Emergency Release Reports

Name:	ISLAND POWER HAWAII USED OIL AST RELEASE
Address:	567 AVOCADO ST
Address 2:	Not Reported
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
Supplemental Loc. Text:	Not Reported
Case Number:	20140717-1508
Facility Registry ID:	Not Reported
HID Number:	Not Reported
Lead and Program:	HEER EP&R
ER:	Not Reported
Less Or Greater Than:	>
Units:	Island Power Hawaii used oil AST release
Activity Type:	Response
Activity Lead:	Curtis Martin
Assignment End Date:	2014-07-18 00:00:00
Result:	SOSC NFA
File Under:	Not Reported
Substances:	Used oil
Quanity:	0
Units:	Unknown
Reported Date:	Not Reported
Release Date:	Not Reported
Release Duration:	Not Reported
Media:	Not Reported
Waterbody:	Not Reported
Summary:	Not Reported

Is Noteworthy for Reports:	Not Reported
Is the Release a Fugitive Dumping:	Not Reported
Tax Map Key:	Not Reported
Assigned SOSC:	Not Reported
Notified Agencies:	Not Reported
Response Measures Taken:	Not Reported
Incident Report Number:	Not Reported
Coordination Needed:	Not Reported
Tier II Facility:	Not Reported
RMP:	Not Reported
Follow-up Received On:	Not Reported
Cost Recovery:	Not Reported

ISLAND POWER HAWAII, 567 AVOCADO STREET, WAHIAWA, HI, 96786 (Continued)

Invoice To:	Not Reported
Closed Date:	Not Reported
Comments:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported

HWP: Other Ascertainable Records

Handler ID:	Not Reported
HW File Number:	HW-1231
RCRA Number:	HIR000146076
Name:	ISLAND POWER HAWAII
Address:	567 AVOCADO STREET
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not Reported
Active Site:	Not Reported
Generator Status:	Not Reported
Transporter:	Not Reported
Universal Waste:	Not Reported
Used Oil:	Not Reported

Handler ID:	HIR000146076
HW File Number:	Not Reported
RCRA Number:	Not Reported
Name:	ISLAND POWER HAWAII
Address:	567 AVOCADO ST
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not Reported
TMK:	Not Reported
Active Site:	Y
Generator Status:	VSG
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

MAP FINDINGS

SALVATION ARMY WAHIAWA RESIDE 520 PINE ST, WAHIAWA, HI, 96786			S132377502
Map ID: 3	Distance: ESE <1/10 (312 ft. / 0.059 mi.)	Elevation: Equal Elevation 866 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HWP: Other Ascertainable Records

Handler ID:	Not Reported
HW File Number:	HW-0478
RCRA Number:	Not Reported
Name:	SALVATION ARMY WAHIAWA RESIDE
Address:	520 PINE ST
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not Reported
Active Site:	Not Reported
Generator Status:	Not Reported
Transporter:	Not Reported
Universal Waste:	Not Reported
Used Oil:	Not Reported

MAP FINDINGS

CONSUMER TIRE WAREHOUSE OHAI STREET 227 OHAI STREET, WAHIAWA, HI, 96786			S132377624
Map ID: B4	Distance: WSW <1/10 (312 ft. / 0.059 mi.)	Elevation: 3 ft. Lower Elevation 863 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HWP: Other Ascertainable Records

Handler ID:	Not Reported
HW File Number:	HW-1116A
RCRA Number:	HID981657240
Name:	CONSUMER TIRE WAREHOUSE OHAI STREET
Address:	227 OHAI STREET
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not Reported
Active Site:	Not Reported
Generator Status:	Not Reported
Transporter:	Not Reported
Universal Waste:	Not Reported
Used Oil:	Not Reported

MAP FINDINGS

CONSUMER TIRE WAREHOUSE 227 OHAI ST, WAHIAWA, HI, 96786			S132375616
Map ID: B5	Distance: WSW <1/10 (312 ft. / 0.059 mi.)	Elevation: 3 ft. Lower Elevation 863 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HWP: Other Ascertainable Records

Handler ID:	HID981657240
HW File Number:	Not Reported
RCRA Number:	Not Reported
Name:	CONSUMER TIRE WAREHOUSE
Address:	227 OHAI ST
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not Reported
TMK:	Not Reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

MAP FINDINGS

MARCUS AND ASSOCIATES 524 OLIVE ST, WAHIAWA, HI, 96786			1028283538
Map ID: D6	Distance: NNW 1/10 - 1/3 (633 ft. / 0.12 mi.)	Elevation: 13 ft. Higher Elevation 879 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	110367
Facility ID:	HI9-203710
Name:	MARCUS AND ASSOCIATES
Address:	524 OLIVE ST
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	PointAddress
Open USTs:	0
Closed USTs:	1
TOS USTs:	0
Population 1500ft:	3172
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	Geocode
X Coord:	-158.0289795
Y Coord:	21.494853
Latitude:	21.494853
Longitude:	-158.0289795
UST FINDER:	

Object ID:	403576

MARCUS AND ASSOCIATES, 524 OLIVE ST, WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-203710
Tank ID:	HI9-203710R-1
Tank Status:	Closed
Installation Date:	Not Reported
Removal Date:	Not Reported
Tank Capacity:	500
Substances:	Diesel
Tank Wall Type:	Not Reported

MAP FINDINGS

WAHIAWA UNION **58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786**			U003154887
Map ID: D7	Distance: NNW 1/10 - 1/3 (851 ft. / 0.161 mi.)	Elevation: 14 ft. Higher Elevation 880 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks Other Ascertainable Records

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	WAHIAWA UNION
Address:	58 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200104
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	06/19/2001
Release ID:	010023
Project Officer:	Shumin Liu

UST: Lists of state and tribal registered storage tanks

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200104
Owner:	Tosco Marketing Company
Owner Address:	P. O. Box 25376
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.495374
Longitude:	-158.029301
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	GPS

Tank ID:	R-3
Date Installed:	06/01/1989
Tank Status:	Permanently Out of Use
Date Closed:	01/10/2001
Tank Capacity:	10000
Substance:	Diesel

WAHIAWA UNION, 58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-4334-1
Date Installed:	10/13/1982
Tank Status:	Permanently Out of Use
Date Closed:	01/20/2001
Tank Capacity:	10000
Substance:	Gasoline
Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-4334-2
Date Installed:	10/13/1982
Tank Status:	Permanently Out of Use
Date Closed:	01/10/2001
Tank Capacity:	10000
Substance:	Gasoline
Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-4334-3
Date Installed:	01/01/1957
Tank Status:	Permanently Out of Use
Date Closed:	06/01/1989
Tank Capacity:	8000
Substance:	Diesel
Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-4334-4-1
Date Installed:	10/13/1957
Tank Status:	Permanently Out of Use
Date Closed:	06/15/1989
Tank Capacity:	550
Substance:	Used Oil
Name:	WAHIAWA UNION

WAHIAWA UNION, 58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	R-4334-4-2
Date Installed:	06/01/1989
Tank Status:	Permanently Out of Use
Date Closed:	01/10/2001
Tank Capacity:	520
Substance:	Used Oil

HI Financial Assurance: Other Ascertainable Records

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200104
Tank Id:	R-4334-1
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200104
Tank Id:	R-4334-4-2
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200104
Tank Id:	R-4334-4-1
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

WAHIAWA UNION, 58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Alt Facility ID:	9-200104
Tank Id:	R-4334-2
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200104
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

Name:	WAHIAWA UNION
Address:	58 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200104
Tank Id:	R-4334-3
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

HWP: Other Ascertainable Records

Handler ID:	HID984468934
HW File Number:	Not Reported
RCRA Number:	Not Reported
Name:	UNOCAL 76 SS L 4334
Address:	58 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not Reported
TMK:	Not Reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

MAP FINDINGS

WAHIAWA UNION 58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786			1028283008
Map ID: D8	Distance: NNW 1/10 - 1/3 (851 ft. / 0.161 mi.)	Elevation: 14 ft. Higher Elevation 880 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	108856
Facility ID:	HI9-200104
Name:	WAHIAWA UNION
Address:	58 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not Reported
Open USTs:	0
Closed USTs:	6
TOS USTs:	0
Population 1500ft:	3292
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	State
X Coord:	-158.029301
Y Coord:	21.495374
Latitude:	21.495374
Longitude:	-158.029301
UST FINDER:	

Object ID:	402225

WAHIAWA UNION, 58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-200104
Tank ID:	HI9-200104R-4334-3
Tank Status:	Closed
Installation Date:	1957/01/01 16:00:01+00
Removal Date:	Not Reported
Tank Capacity:	8000
Substances:	Diesel
Tank Wall Type:	Not Reported

Object ID:	402793
Facility ID:	HI9-200104
Tank ID:	HI9-200104R-4334-4-1
Tank Status:	Closed
Installation Date:	1957/10/13 16:00:01+00
Removal Date:	Not Reported
Tank Capacity:	550
Substances:	Used Oil
Tank Wall Type:	Not Reported

Object ID:	398779
Facility ID:	HI9-200104
Tank ID:	HI9-200104R-3
Tank Status:	Closed
Installation Date:	1989/06/01 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Diesel
Tank Wall Type:	Not Reported

Object ID:	398780
Facility ID:	HI9-200104
Tank ID:	HI9-200104R-4334-4-2
Tank Status:	Closed
Installation Date:	1989/06/01 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	520
Substances:	Used Oil
Tank Wall Type:	Not Reported

Object ID:	399767
Facility ID:	HI9-200104
Tank ID:	HI9-200104R-4334-1
Tank Status:	Closed
Installation Date:	1982/10/13 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000

WAHIAWA UNION, 58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	399768
Facility ID:	HI9-200104
Tank ID:	HI9-200104R-4334-2
Tank Status:	Closed
Installation Date:	1982/10/13 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasoline
Tank Wall Type:	Not Reported

UST FINDER RELEASE: Other Ascertainable Records

Object ID:	145917
Facility ID:	HI9-200104
Lust ID:	HI010023
Name:	WAHIAWA UNION
Address:	58 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not Reported
Status:	No Further Action
Substance:	Not Reported
Population within 1500ft:	3317
Domestic Wells within 1500ft:	0
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not Reported
Tribe:	Not Reported
EPA Region:	9
NFA Letter 1:	Not Reported
NFA Letter 2:	Not Reported
NFA Letter 3:	Not Reported
NFA Letter 4:	Not Reported

WAHIAWA UNION, 58 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Closed With Residual Contaminate:	Not Reported
Coordinate Source:	Geocode
X Coord:	-158.0294837
Y Coord:	21.49515051
Latitude:	21.4951505099999
Longitude:	-158.029483699999

MAP FINDINGS

F & M FOOD MART CORP 10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786			U003154917
Map ID: F9	Distance: NNW 1/10 - 1/3 (1072 ft. / 0.203 mi.)	Elevation: 18 ft. Higher Elevation 884 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks Other Ascertainable Records

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201033
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	09/08/1998
Release ID:	950136
Project Officer:	Shaobin Li

Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201033
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	12/22/1999
Release ID:	990240
Project Officer:	Shaobin Li

Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201033
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	02/07/1995
Release ID:	940061
Project Officer:	Shaobin Li

Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201033
Facility Status:	Site Cleanup Completed (NFA)

F & M FOOD MART CORP, 10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Facility Status Date:	03/15/2000
Release ID:	000064
Project Officer:	Shaobin Li

UST: Lists of state and tribal registered storage tanks

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201033
Owner:	EQUILON ENTERPRISES, LLC DBA SHELL OIL PRODUCTS US
Owner Address:	2555 13TH AVE, SW
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.495711
Longitude:	-158.029559
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	GPS

Tank ID:	R-1
Date Installed:	04/22/1980
Tank Status:	Permanently Out of Use
Date Closed:	09/01/1999
Tank Capacity:	8000
Substance:	Gasoline

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	R-2
Date Installed:	04/22/1980
Tank Status:	Permanently Out of Use
Date Closed:	09/01/1999
Tank Capacity:	8000
Substance:	Gasoline

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	R-3
Date Installed:	04/22/1980
Tank Status:	Permanently Out of Use

F & M FOOD MART CORP, 10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Date Closed:	09/01/1999
Tank Capacity:	8000
Substance:	Gasoline

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	R-4
Date Installed:	04/22/1970
Tank Status:	Permanently Out of Use
Date Closed:	01/13/2000
Tank Capacity:	2000
Substance:	Used Oil

HI Financial Assurance: Other Ascertainable Records

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201033
Tank Id:	R-3
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201033
Tank Id:	R-4
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201033
Tank Id:	R-2
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported

F & M FOOD MART CORP, 10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

FR Archive:	False

Name:	F & M FOOD MART CORP
Address:	10 S Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201033
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Self Insured
Expiration Date:	Not Reported
FR Archive:	False

HWP: Other Ascertainable Records

Handler ID:	Not Reported
HW File Number:	HW-1914D
RCRA Number:	HIR000000497
Name:	SHELL OIL CO
Address:	10 SOUTH KAMEHAMEHA HIGHWAY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not Reported
Active Site:	Not Reported
Generator Status:	Not Reported
Transporter:	Not Reported
Universal Waste:	Not Reported
Used Oil:	Not Reported

Handler ID:	HIR000000497
HW File Number:	Not Reported
RCRA Number:	Not Reported
Name:	SHELL OIL CO
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not Reported
TMK:	Not Reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

MAP FINDINGS

F & M FOOD MART CORP 10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786			1028283194
Map ID: F10	Distance: NNW 1/10 - 1/3 (1072 ft. / 0.203 mi.)	Elevation: 18 ft. Higher Elevation 884 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	108980
Facility ID:	HI9-201033
Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not Reported
Open USTs:	0
Closed USTs:	4
TOS USTs:	0
Population 1500ft:	3304
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	State
X Coord:	-158.029559
Y Coord:	21.495711
Latitude:	21.495711
Longitude:	-158.029559
UST FINDER:	

Object ID:	400110

F & M FOOD MART CORP, 10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-201033
Tank ID:	HI9-201033R-1
Tank Status:	Closed
Installation Date:	1980/04/22 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	8000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	400111
Facility ID:	HI9-201033
Tank ID:	HI9-201033R-2
Tank Status:	Closed
Installation Date:	1980/04/22 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	8000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	400112
Facility ID:	HI9-201033
Tank ID:	HI9-201033R-3
Tank Status:	Closed
Installation Date:	1980/04/22 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	8000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	401303
Facility ID:	HI9-201033
Tank ID:	HI9-201033R-4
Tank Status:	Closed
Installation Date:	1970/04/22 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	2000
Substances:	Used Oil
Tank Wall Type:	Not Reported

UST FINDER RELEASE: Other Ascertainable Records

Object ID:	145215
Facility ID:	HI9-201033
Lust ID:	HI940061

F & M FOOD MART CORP, 10 S KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Name:	F & M FOOD MART CORP
Address:	10 S KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not Reported
Status:	No Further Action
Substance:	Not Reported
Population within 1500ft:	3313
Domestic Wells within 1500ft:	0
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not Reported
Tribe:	Not Reported
EPA Region:	9
NFA Letter 1:	Not Reported
NFA Letter 2:	Not Reported
NFA Letter 3:	Not Reported
NFA Letter 4:	Not Reported
Closed With Residual Contaminate:	Not Reported
Coordinate Source:	Geocode
X Coord:	-158.0297152
Y Coord:	21.4957538900001
Latitude:	21.49575389
Longitude:	-158.029715199999

MAP FINDINGS

PANDA EXPRESS 609 CALIFORNIA AVE, WAHIAWA, HI, 96786			S132378262
Map ID: G11	Distance: N 1/10 - 1/3 (1125 ft. / 0.213 mi.)	Elevation: 31 ft. Higher Elevation 897 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HWP: Other Ascertainable Records

Handler ID:	Not Reported
HW File Number:	HW-2096
RCRA Number:	HIR000144964
Name:	PANDA EXPRESS
Address:	609 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Oahu
TMK:	Not Reported
Active Site:	Not Reported
Generator Status:	Not Reported
Transporter:	Not Reported
Universal Waste:	Not Reported
Used Oil:	Not Reported

MAP FINDINGS

PANDA EXPRESS 609 CALIFORNIA AVENUE, WAHIAWA, HI, 96786			S132376936
Map ID: G12	Distance: N 1/10 - 1/3 (1125 ft. / 0.213 mi.)	Elevation: 31 ft. Higher Elevation 897 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HWP: Other Ascertainable Records

Handler ID:	HIR000144964
HW File Number:	Not Reported
RCRA Number:	Not Reported
Name:	PANDA EXPRESS
Address:	609 CALIFORNIA AVENUE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not Reported
TMK:	Not Reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

MAP FINDINGS

CALIFORNIA AVENUE 76/7-ELEVEN (#156) 655 CALIFORNIA AVE, WAHIAWA, HI, 96786			1028283226
Map ID: G13	Distance: N 1/10 - 1/3 (1219 ft. / 0.231 mi.)	Elevation: 36 ft. Higher Elevation 902 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	109006
Facility ID:	HI9-201204
Name:	CALIFORNIA AVENUE 76/7-ELEVEN (#156)
Address:	655 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not Reported
Open USTs:	2
Closed USTs:	3
TOS USTs:	0
Population 1500ft:	2827
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Open UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	State
X Coord:	-158.027492
Y Coord:	21.4966870000001
Latitude:	21.496687
Longitude:	-158.027492
UST FINDER:	

Object ID:	399689

CALIFORNIA AVENUE 76/7-ELEVEN (#156), 655 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-201204
Tank ID:	HI9-201204R-1
Tank Status:	Closed
Installation Date:	1983/04/05 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	399690
Facility ID:	HI9-201204
Tank ID:	HI9-201204R-2
Tank Status:	Closed
Installation Date:	1983/04/05 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	399691
Facility ID:	HI9-201204
Tank ID:	HI9-201204R-3
Tank Status:	Closed
Installation Date:	1983/04/05 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	6000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	397983
Facility ID:	HI9-201204
Tank ID:	HI9-2012041
Tank Status:	Open
Installation Date:	1998/05/01 15:59:59+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	397984
Facility ID:	HI9-201204
Tank ID:	HI9-2012042
Tank Status:	Open
Installation Date:	1998/05/01 15:59:59+00
Removal Date:	Not Reported
Tank Capacity:	10000

CALIFORNIA AVENUE 76/7-ELEVEN (#156), 655 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Substances:	Gasohol
Tank Wall Type:	Not Reported

MAP FINDINGS

C&CH WAHIAWA FIRE STATION 640 CALIFORNIA AVE, WAHIAWA, HI, 96786			U003986424
Map ID: G14	Distance: N 1/10 - 1/3 (1240 ft. / 0.235 mi.)	Elevation: 34 ft. Higher Elevation 900 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks Other Ascertainable Records

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	C&CH WAHIAWA FIRE STATION
Address:	640 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200092
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	10/22/2001
Release ID:	940045
Project Officer:	Shunsheng Fu

UST: Lists of state and tribal registered storage tanks

Name:	C&CH WAHIAWA FIRE STATION
Address:	640 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200092
Owner:	C&C HNL Fire Dept
Owner Address:	560 South King Street
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.496962
Longitude:	-158.027805
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching

Tank ID:	R-1
Date Installed:	09/02/1968
Tank Status:	Permanently Out of Use
Date Closed:	10/11/1993
Tank Capacity:	1000
Substance:	Diesel

C&CH WAHIAWA FIRE STATION, 640 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Name:	C&CH WAHIAWA FIRE STATION
Address:	640 California Ave
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	R-1
Date Installed:	09/02/1968
Tank Status:	Permanently Out of Use
Date Closed:	10/11/1993
Tank Capacity:	1000
Substance:	Diesel

HWP: Other Ascertainable Records

Handler ID:	HIP000096578
HW File Number:	Not Reported
RCRA Number:	Not Reported
Name:	WAHIAWA FIRE STATION
Address:	640 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Island:	Not Reported
TMK:	Not Reported
Active Site:	N
Generator Status:	N
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

MAP FINDINGS

C&CH WAHIAWA FIRE STATION 640 CALIFORNIA AVE, WAHIAWA, HI, 96786			1028283000
Map ID: G15	Distance: N 1/10 - 1/3 (1240 ft. / 0.235 mi.)	Elevation: 34 ft. Higher Elevation 900 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	108849
Facility ID:	HI9-200092
Name:	C&CH WAHIAWA FIRE STATION
Address:	640 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not Reported
Open USTs:	0
Closed USTs:	1
TOS USTs:	0
Population 1500ft:	2764
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	State
X Coord:	-158.027805
Y Coord:	21.4969620000001
Latitude:	21.496962
Longitude:	-158.027805
UST FINDER:	

Object ID:	401493

C&CH WAHIAWA FIRE STATION, 640 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-200092
Tank ID:	HI9-200092R-1
Tank Status:	Closed
Installation Date:	1968/09/02 16:00:01+00
Removal Date:	Not Reported
Tank Capacity:	1000
Substances:	Diesel
Tank Wall Type:	Not Reported

UST FINDER RELEASE: Other Ascertainable Records

Object ID:	145952
Facility ID:	HI9-200092
Lust ID:	HI940045
Name:	C&CH WAHIAWA FIRE STATION
Address:	640 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not Reported
Status:	No Further Action
Substance:	Not Reported
Population within 1500ft:	2835
Domestic Wells within 1500ft:	0
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not Reported
Tribe:	Not Reported
EPA Region:	9
NFA Letter 1:	Not Reported
NFA Letter 2:	Not Reported
NFA Letter 3:	Not Reported
NFA Letter 4:	Not Reported
Closed With Residual Contaminate:	Not Reported
Coordinate Source:	Geocode
X Coord:	-158.0277309
Y Coord:	21.49678478

C&CH WAHIAWA FIRE STATION, 640 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Latitude:	21.4967847799999
Longitude:	-158.027730899999

MAP FINDINGS

YAMA'S TEXACO 805 CALIFORNIA AVE, WAHIAWA, HI, 96786			1028283507
Map ID: I16	Distance: NNE 1/10 - 1/3 (1457 ft. / 0.276 mi.)	Elevation: 45 ft. Higher Elevation 911 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	109194
Facility ID:	HI9-203333
Name:	YAMA'S TEXACO
Address:	805 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not Reported
Open USTs:	0
Closed USTs:	4
TOS USTs:	0
Population 1500ft:	2531
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	State
X Coord:	-158.026453
Y Coord:	21.4970900000001
Latitude:	21.49709
Longitude:	-158.026453
UST FINDER:	

Object ID:	403977

YAMA'S TEXACO, 805 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-203333
Tank ID:	HI9-203333R-1
Tank Status:	Closed
Installation Date:	Not Reported
Removal Date:	Not Reported
Tank Capacity:	5000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	403978
Facility ID:	HI9-203333
Tank ID:	HI9-203333R-2
Tank Status:	Closed
Installation Date:	Not Reported
Removal Date:	Not Reported
Tank Capacity:	5000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	403979
Facility ID:	HI9-203333
Tank ID:	HI9-203333R-3
Tank Status:	Closed
Installation Date:	Not Reported
Removal Date:	Not Reported
Tank Capacity:	5000
Substances:	Gasoline
Tank Wall Type:	Not Reported

Object ID:	403980
Facility ID:	HI9-203333
Tank ID:	HI9-203333R-4
Tank Status:	Closed
Installation Date:	Not Reported
Removal Date:	Not Reported
Tank Capacity:	550
Substances:	Used Oil
Tank Wall Type:	Not Reported

UST FINDER RELEASE: Other Ascertainable Records

Object ID:	146079
Facility ID:	HI9-203333
Lust ID:	HI980038

MAP FINDINGS

YAMA'S TEXACO, 805 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Name:	YAMA'S TEXACO
Address:	805 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not Reported
Status:	No Further Action
Substance:	Not Reported
Population within 1500ft:	2531
Domestic Wells within 1500ft:	0
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not Reported
Tribe:	Not Reported
EPA Region:	9
NFA Letter 1:	Not Reported
NFA Letter 2:	Not Reported
NFA Letter 3:	Not Reported
NFA Letter 4:	Not Reported
Closed With Residual Contaminate:	Not Reported
Coordinate Source:	Geocode
X Coord:	-158.026443
Y Coord:	21.4972295000001
Latitude:	21.4972295
Longitude:	-158.026443

MAP FINDINGS

YAMA'S TEXACO 805 CALIFORNIA AVE, WAHIAWA, HI, 96786			U003858604
Map ID: I17	Distance: NNE 1/10 - 1/3 (1457 ft. / 0.276 mi.)	Elevation: 45 ft. Higher Elevation 911 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	YAMA'S TEXACO
Address:	805 CALIFORNIA AVE
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-203333
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	02/01/1998
Release ID:	980038
Project Officer:	Jose Ruiz

UST: Lists of state and tribal registered storage tanks

Name:	YAMA'S TEXACO
Address:	805 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-203333
Owner:	YAMA'S TEXACO
Owner Address:	805 CALIFORNIA AVE
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.497090
Longitude:	-158.026453
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	Address Matching

Tank ID:	R-1
Date Installed:	Not Reported
Tank Status:	Permanently Out of Use
Date Closed:	01/13/1998
Tank Capacity:	5000
Substance:	Gasoline

Name:	YAMA'S TEXACO

YAMA'S TEXACO, 805 CALIFORNIA AVE, WAHIAWA, HI, 96786 (Continued)

Address:	805 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-2
Date Installed:	Not Reported
Tank Status:	Permanently Out of Use
Date Closed:	01/13/1998
Tank Capacity:	5000
Substance:	Gasoline
Name:	YAMA'S TEXACO
Address:	805 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-3
Date Installed:	Not Reported
Tank Status:	Permanently Out of Use
Date Closed:	01/13/1998
Tank Capacity:	5000
Substance:	Gasoline
Name:	YAMA'S TEXACO
Address:	805 California Ave
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-4
Date Installed:	Not Reported
Tank Status:	Permanently Out of Use
Date Closed:	01/13/1998
Tank Capacity:	550
Substance:	Used Oil

MAP FINDINGS

AIM WAHIAWA 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786			U001236129
Map ID: J18	Distance: NNW 1/10 - 1/3 (1709 ft. / 0.324 mi.)	Elevation: 33 ft. Higher Elevation 899 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks Other Ascertainable Records

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	07/19/2000
Release ID:	980143
Project Officer:	Miranda Fleisher

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	07/19/2000
Release ID:	950028
Project Officer:	Miranda Fleisher

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Facility Status:	Consolidated releases
Facility Status Date:	08/28/2018
Release ID:	050027
Project Officer:	Miranda Fleisher

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Facility Status:	Confirmed Release

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Facility Status Date:	10/26/2017
Release ID:	180005
Project Officer:	Miranda Fleisher

Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Facility Status:	Exposure Prevention Management Plan
Facility Status Date:	09/01/2008
Release ID:	070016
Project Officer:	Miranda Fleisher

UST: Lists of state and tribal registered storage tanks

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-200329
Owner:	ALOHA PETROLEUM, LTD.
Owner Address:	1132 Bishop Street, Suite 1700
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.497820
Longitude:	-158.029460
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	GPS

Tank ID:	5
Date Installed:	10/01/2018
Tank Status:	Currently in Use
Date Closed:	Not Reported
Tank Capacity:	13800
Substance:	Gasohol

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	5
Date Installed:	10/01/2018
Tank Status:	Currently in Use
Date Closed:	Not Reported
Tank Capacity:	13800
Substance:	Gasohol

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	5
Date Installed:	10/01/2018
Tank Status:	Currently in Use
Date Closed:	Not Reported
Tank Capacity:	13800
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	5A
Date Installed:	Not Reported
Tank Status:	Not installed
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	5A
Date Installed:	Not Reported
Tank Status:	Not installed
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	5A
Date Installed:	Not Reported
Tank Status:	Not installed
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	5B
Date Installed:	Not Reported
Tank Status:	Not installed
Date Closed:	Not Reported
Tank Capacity:	3800
Substance:	Gasoline
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	5B
Date Installed:	Not Reported
Tank Status:	Not installed
Date Closed:	Not Reported
Tank Capacity:	3800
Substance:	Gasoline
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	5B
Date Installed:	Not Reported
Tank Status:	Not installed
Date Closed:	Not Reported
Tank Capacity:	3800
Substance:	Gasoline
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6A
Date Installed:	10/01/2018
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	7000
Substance:	Gasohol

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6A
Date Installed:	10/01/2018
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	7000
Substance:	Gasohol

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6A
Date Installed:	10/01/2018
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	7000
Substance:	Gasohol

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6B
Date Installed:	10/01/2018
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6800
Substance:	Gasoline

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6B
Date Installed:	10/01/2018
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6800
Substance:	Gasoline

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	6B
Date Installed:	10/01/2018
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6800
Substance:	Gasoline
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-1
Date Installed:	02/06/1985
Tank Status:	Permanently Out of Use
Date Closed:	08/09/1994
Tank Capacity:	550
Substance:	Used Oil
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-1
Date Installed:	02/06/1985
Tank Status:	Permanently Out of Use
Date Closed:	08/09/1994
Tank Capacity:	550
Substance:	Used Oil
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	R-1
Date Installed:	02/06/1985
Tank Status:	Permanently Out of Use
Date Closed:	08/09/1994
Tank Capacity:	550
Substance:	Used Oil

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-1m
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-1m
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-1m
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-2s
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-2s
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-2s
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-3
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-3
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-3
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-4
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-4
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol
Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Tank ID:	r-4
Date Installed:	02/06/1985
Tank Status:	Permanently out of Use
Date Closed:	09/07/2018
Tank Capacity:	10000
Substance:	Gasohol

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

HI Financial Assurance: Other Ascertainable Records

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5A
Tank Status:	Not installed
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	6A
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-1m
Tank Status:	Permanently out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5B
Tank Status:	Not installed
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-4
Tank Status:	Permanently out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5
Tank Status:	Currently in Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-3
Tank Status:	Permanently out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	6B
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-2s
Tank Status:	Permanently out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-2s
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-4
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-1m
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-3
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5
Tank Status:	Currently in Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	6B
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	6A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5A
Tank Status:	Not installed
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5B
Tank Status:	Not installed
FRTYPE:	Insurance
Expiration Date:	09/15/2017
FR Archive:	True

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-3
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	6B
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5
Tank Status:	Currently in Use

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5A
Tank Status:	Not installed
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	5B
Tank Status:	Not installed
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-1m
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	6A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	R-1
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-2s
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

Name:	AIM WAHIAWA
Address:	150 N. Kamehameha Hwy.
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-200329
Tank Id:	r-4
Tank Status:	Permanently out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2023
FR Archive:	False

MAP FINDINGS

AIM WAHIAWA 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786			1028283073
Map ID: J19	Distance: NNW 1/10 - 1/3 (1709 ft. / 0.324 mi.)	Elevation: 33 ft. Higher Elevation 899 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	108903
Facility ID:	HI9-200329
Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not Reported
Open USTs:	3
Closed USTs:	1
TOS USTs:	1
Population 1500ft:	2466
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Facility Status:	Open UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	State
X Coord:	-158.02946
Y Coord:	21.49782
Latitude:	21.49782
Longitude:	-158.02946
UST FINDER:	

Object ID:	399409

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-200329
Tank ID:	HI9-2003291m
Tank Status:	Open
Installation Date:	1985/02/06 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	399410
Facility ID:	HI9-200329
Tank ID:	HI9-2003292s
Tank Status:	Open
Installation Date:	1985/02/06 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	399411
Facility ID:	HI9-200329
Tank ID:	HI9-2003293
Tank Status:	Open
Installation Date:	1985/02/06 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	399412
Facility ID:	HI9-200329
Tank ID:	HI9-2003294
Tank Status:	Temporarily out of Service
Installation Date:	1985/02/06 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	399413
Facility ID:	HI9-200329
Tank ID:	HI9-200329R-1
Tank Status:	Closed
Installation Date:	1985/02/06 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	550

AIM WAHIAWA, 150 N. KAMEHAMEHA HWY., WAHIAWA, HI, 96786 (Continued)

Substances:	Used Oil
Tank Wall Type:	Not Reported

UST FINDER RELEASE: Other Ascertainable Records

Object ID:	145374
Facility ID:	HI9-200329
Lust ID:	HI050027
Name:	AIM WAHIAWA
Address:	150 N. KAMEHAMEHA HWY.
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not Reported
Status:	Open
Substance:	Not Reported
Population within 1500ft:	2514
Domestic Wells within 1500ft:	0
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not Reported
Tribe:	Not Reported
EPA Region:	9
NFA Letter 1:	Not Reported
NFA Letter 2:	Not Reported
NFA Letter 3:	Not Reported
NFA Letter 4:	Not Reported
Closed With Residual Contaminate:	Not Reported
Coordinate Source:	Geocode
X Coord:	-158.0297644
Y Coord:	21.49774146
Latitude:	21.49774146
Longitude:	-158.0297644

MAP FINDINGS

MAHALO WAHIAWA 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786			1028283265
Map ID: J20	Distance: NNW 1/10 - 1/3 (1716 ft. / 0.325 mi.)	Elevation: 36 ft. Higher Elevation 902 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

UST FINDER: Other Ascertainable Records

Object ID:	109032
Facility ID:	HI9-201458
Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Address Match Type:	Not Reported
Open USTs:	4
Closed USTs:	1
TOS USTs:	0
Population 1500ft:	2576
Private Wells 1500ft:	0
Within 100yr Floodplain:	Not Reported
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	No
WHPA PWS Facility ID:	Not Reported
WHPA Water Type:	Not Reported
WHPA Facility Type:	Not Reported
WHPA HUC12:	Not Reported
Facility Status:	Open UST(s)
Date of Last Inspection:	Not Reported
EPA Region:	9
Tribe:	Not Reported
Coordinate Source:	State
X Coord:	-158.03006
Y Coord:	21.4976370000001
Latitude:	21.497637
Longitude:	-158.03006
UST FINDER:	

Object ID:	402571

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Facility ID:	HI9-201458
Tank ID:	HI9-201458R-5
Tank Status:	Closed
Installation Date:	1964/04/30 16:00:01+00
Removal Date:	Not Reported
Tank Capacity:	550
Substances:	Used Oil
Tank Wall Type:	Not Reported

Object ID:	399906
Facility ID:	HI9-201458
Tank ID:	HI9-2014583
Tank Status:	Open
Installation Date:	1982/04/04 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	399908
Facility ID:	HI9-201458
Tank ID:	HI9-2014581
Tank Status:	Open
Installation Date:	1982/04/01 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	399909
Facility ID:	HI9-201458
Tank ID:	HI9-2014582
Tank Status:	Open
Installation Date:	1982/04/01 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	10000
Substances:	Gasohol
Tank Wall Type:	Not Reported

Object ID:	399910
Facility ID:	HI9-201458
Tank ID:	HI9-2014584
Tank Status:	Open
Installation Date:	1982/04/01 16:00:00+00
Removal Date:	Not Reported
Tank Capacity:	6000

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Substances:	Diesel
Tank Wall Type:	Not Reported

UST FINDER RELEASE: Other Ascertainable Records

Object ID:	145290
Facility ID:	HI9-201458
Lust ID:	HI000096
Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 0
Address Match Type:	PointAddress
Reported Date:	Not Reported
Status:	No Further Action
Substance:	Not Reported
Population within 1500ft:	2582
Domestic Wells within 1500ft:	0
Land Use:	Not Reported
Within SPA:	No
SPA PWS Facility ID:	Not Reported
SPA Water Type:	Not Reported
SPA Facility Type:	Not Reported
SPA HUC12:	Not Reported
Within WHPA:	Yes
WHPA PWS Facility ID:	HI0000333_721
WHPA Water Type:	GW - Ground water
WHPA Facility Type:	WL - Well
WHPA HUC12:	200600000102
Within 100yr Floodplain:	Not Reported
Tribe:	Not Reported
EPA Region:	9
NFA Letter 1:	Not Reported
NFA Letter 2:	Not Reported
NFA Letter 3:	Not Reported
NFA Letter 4:	Not Reported
Closed With Residual Contaminate:	Not Reported
Coordinate Source:	Geocode
X Coord:	-158.029839
Y Coord:	21.4976173800001
Latitude:	21.49761738
Longitude:	-158.029839

MAP FINDINGS

MAHALO WAHIAWA 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786			U001236337
Map ID: J21	Distance: NNW 1/10 - 1/3 (1752 ft. / 0.332 mi.)	Elevation: 36 ft. Higher Elevation 902 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks Other Ascertainable Records

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201458
Facility Status:	Confirmed Release
Facility Status Date:	11/11/2019
Release ID:	200003
Project Officer:	Allison Hutto

Name:	MAHALO WAHIAWA
Address:	119 KAMEHAMEHA HWY
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201458
Facility Status:	Site Cleanup Completed (NFA)
Facility Status Date:	09/20/2000
Release ID:	000096
Project Officer:	Allison Hutto

UST: Lists of state and tribal registered storage tanks

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Facility ID:	9-201458
Owner:	ALOHA PETROLEUM, LTD.
Owner Address:	1132 BISHOP STREET, SUITE 1700
Owner City,St,Zip:	Wahiawa, 96786 96786
Latitude:	21.497637
Longitude:	-158.030060
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method	GPS

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Name:

Tank ID:	1
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	1
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	1
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	1
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank ID:	2
Date Installed:	04/01/1982
Tank Status:	Temporarily out of Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	2
Date Installed:	04/01/1982
Tank Status:	Temporarily out of Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	2
Date Installed:	04/01/1982
Tank Status:	Temporarily out of Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	2
Date Installed:	04/01/1982
Tank Status:	Temporarily out of Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank ID:	3
Date Installed:	04/04/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	3
Date Installed:	04/04/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	3
Date Installed:	04/04/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	3
Date Installed:	04/04/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank ID:	4
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	4
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	4
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	4
Date Installed:	04/01/1982
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank ID:	5
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	5
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	5
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	5
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	10000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank ID:	6A
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	6A
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	6A
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	6A
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	6000
Substance:	Gasohol

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank ID:	6B
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	4000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	6B
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	4000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	6B
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	4000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	6B
Date Installed:	09/21/2020
Tank Status:	Currently In Use
Date Closed:	Not Reported
Tank Capacity:	4000
Substance:	Diesel

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank ID:	r-5
Date Installed:	04/30/1964
Tank Status:	Permanently Out of Use
Date Closed:	07/31/2000
Tank Capacity:	550
Substance:	Used Oil

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	r-5
Date Installed:	04/30/1964
Tank Status:	Permanently Out of Use
Date Closed:	07/31/2000
Tank Capacity:	550
Substance:	Used Oil

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	r-5
Date Installed:	04/30/1964
Tank Status:	Permanently Out of Use
Date Closed:	07/31/2000
Tank Capacity:	550
Substance:	Used Oil

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

Tank ID:	r-5
Date Installed:	04/30/1964
Tank Status:	Permanently Out of Use
Date Closed:	07/31/2000
Tank Capacity:	550
Substance:	Used Oil

HI Financial Assurance: Other Ascertainable Records

Name:	MAHALO WAHIAWA

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	r-5
Tank Status:	Permanently Out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	5
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	3
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	6A
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	6B
Tank Status:	Currently In Use
FRTYPE:	Other

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	2
Tank Status:	Temporarily out of Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	1
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	4
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not Reported
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	6A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Alt Facility ID:	9-201458
Tank Id:	r-5
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	5
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	6B
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	2
Tank Status:	Temporarily out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	4
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	1
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	3
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2019
FR Archive:	True

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	4
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	r-5
Tank Status:	Permanently Out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	6B

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	2
Tank Status:	Temporarily out of Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	6A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	3
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Name:	MAHALO WAHIAWA
Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	5
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Name:	MAHALO WAHIAWA

MAP FINDINGS

MAHALO WAHIAWA, 119 KAMEHAMEHA HWY, WAHIAWA, HI, 96786 (Continued)

Address:	119 Kamehameha Hwy
City,State,Zip:	WAHIAWA, HI 96786
Alt Facility ID:	9-201458
Tank Id:	1
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	09/15/2024
FR Archive:	False

Appendix E

Qualifications of Environmental Professionals

Angela K. Peltier, Geologist

element environmental llc
environmental · engineering · water resources

Angela K. Peltier
Geologist

EDUCATION:

B.S., Geology and Geophysics – University of Hawaii, 2004

SPECIALIZED TRAINING:

OSHA 40-hour Initial HAZWOPER Training

ASTM E1527 Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process Certification

SUMMARY OF EXPERIENCE:

Ms. Peltier is a Geologist at Element Environmental, LLC (E2). Ms. Peltier joined E2 on July 1, 2006, when E2 merged with Mountain Edge Environmental, Inc. She has 17 years of experience in Hawaii in the environmental consulting field. Her specific expertise includes site assessment, characterization, and remediation.

Ms. Peltier has assisted in many environmental projects involving Phase I Environmental Site Assessments (ESAs), Phase II ESAs, Environmental Hazard Evaluations (EHEs), Environmental Hazard Management Plans (EHMPs), Environmental Condition of Property (ECP) evaluations, preliminary assessments, emergency spill response, subsurface investigation, groundwater monitoring, assessment of fate and transport of surface and groundwater contaminants, soil and groundwater remediation, risk assessment, groundwater monitoring, and explosive gas monitoring. She has also assisted in underground storage tank (UST) removal projects which included preparation of plans and specifications for UST removal, UST removal monitoring, release response activities such as over-excavation, installation of soil borings and groundwater monitoring wells, long-term remediation design and implementation, and report preparation.

Ms. Peltier has also performed Phase I ESAs and has assisted with the preparation of environmental impact statements and environmental assessments. She has also performed environmental and hydrogeological investigations and has conducted remediation activities for several illegal landfill sites.

Ms. Peltier has been involved in several water quality related projects, including preparation of National Pollutant Discharge Elimination System (NPDES) permit applications for an auto recycling facility, an aquarium, and a well drilling operation, preparation of Storm Water Pollution Control Plans for an auto recycling facility and a solid waste transfer station; storm water and industrial discharge monitoring at various sites.

Ms. Peltier has completed training for the ASTM E1527 Standard Practice for ESA and attends periodic training and update presentations to stay current with Phase I ESA trends and upcoming 2021 revisions to the practice.

Arlene H. Campbell, L.G., Senior Geologist

element environmental llc
environmental · engineering · water resources

Arlene H. Campbell, L.G.
Associate
Senior Geologist

EDUCATION:

Graduate Work in Geology - Vanderbilt University, 1988 - 1989
B.A., Geology (minor in Hydrology) - Austin Peay State University, 1988

PROFESIONAL REGISTRATIONS:

Licensed Geologist, Washington State, No. 1664, 2002

SPECIALIZED TRAINING:

OSHA 40-hour Initial HAZWOPER Training and Current 8-hour Refresher
Hazardous Waste Site Supervisor Training

SUMMARY OF EXPERIENCE:

Ms. Campbell is an Associate and Senior Geologist at Element Environmental, LLC (E2). Ms. Campbell joined E2 on July 1, 2006, when E2 merged with Mountain Edge Environmental, Inc. She has over 31 years of experience in Hawaii in the environmental consulting field. Her specific expertise includes site assessment, characterization, and remediation. Ms. Campbell has assisted with several state level task forces to assess environmental risk and address petroleum contaminated soils.

Ms. Campbell has managed many environmental projects involving Phase I Environmental Site Assessments (ESAs), preliminary assessments, emergency spill response, subsurface investigation, groundwater monitoring, assessment of fate and transport of surface and groundwater contaminants, soil and groundwater remediation, and risk assessment. She has also managed numerous underground storage tank (UST) removal projects which included preparation of plans and specifications for UST removal, UST removal monitoring, release response activities such as over-excavation, installation of soil borings and groundwater monitoring wells, long-term remediation design and implementation, and report preparation.

Ms. Campbell has also managed a number of complex hazardous and biological waste removal and site closure projects which involved geophysical surveys, preparation of plans and specifications, waste characterization, and removal and disposal activities. She has performed Phase I ESAs and has assisted with the preparation and review of environ mental impact statements. She has also performed environmental and hydrogeological investigations and has conducted remediation activities for several illegal landfill sites. Noteworthy projects Ms. Campbell has managed included several large emergency response site investigations and remediation projects involving the release of petroleum and polychlorinated biphenyls. One of these projects included an emergency response to a major gasoline spill on Kauai that impacted air, soil, surface water, and groundwater. For this project, Ms. Campbell coordinated with the U.S. Coast Guard, county fire and police departments, EPA Region 9, HDOH, responsible parties, property owners, tenants, and the community. She monitored explosivity and contaminant migration in the subsurface, underground structures/utilities, buildings, a private sewage pumping station, an adjacent stream and the Pacific Ocean; coordinated emergency medical treatment and medical monitoring of affected spill response personnel and civilians; monitored installation of soil vapor points, soil borings, and groundwater monitoring wells; collected soil vapor, soil, groundwater, and stream water samples; prepared release response report; and provided technical support to legal team.

Ms. Campbell has been the principal investigator for several water quality related projects, including preparation of National Pollutant Discharge Elimination System (NPDES) permit applications for an auto recycling facility, an aquarium, a well drilling operation, a cemetery, and a museum; preparation of Storm Water Pollution Control Plans for an auto recycling facility and a solid waste transfer station; storm water and industrial discharge monitoring at various sites; and assisting clients in addressing NPDES compliance issues.

Draft Report

Limited Hazardous Materials Survey

525 and 535 Avocado Street
Wahiawa, Oahu, Hawaii

June 2025

PREPARED FOR:
G70
111 S. King Street, Suite 170
Honolulu, Hawaii 96813

PREPARED BY:
Element Environmental, LLC
98-030 Hekaha Street, Unit 9
Aiea, Hawaii 96701

element environmental llc
environmental · engineering · water resources

element environmental llc
environmental · engineering · water resources

June 19, 2025

Ms. Tracy Camuso, Principal
G70
111 S. King Street, Suite 170
Honolulu, Hawaii 96813

Subject: **Draft Hazardous Materials Survey Report**
525 and 535 Avocado Street, Wahiawa, Oahu, Hawaii

Dear Ms. Camuso:

Element Environmental, LLC (E2) is pleased to submit this Hazardous Materials Survey letter report describing the sampling completed at the buildings located at 525 and 535 Avocado Street, in Wahiawa, Oahu, Hawaii (hereinafter referred to as *the project site*). The contents of this report are based on E2's proposal dated August 23, 2024 and accepted by G70. Data tables, sample location figures, sample photographs, and laboratory reports are provided in the appendices by building.

1.0 BACKGROUND

There are two commercial buildings occupying the site. The first is a one-story former office building, originally constructed in 1943, with an area of 945 square feet (SF). It was originally built for Lone Star Auto. The second building is also a one-story former office building, constructed in 1955, with an area of 1,980 SF. It was originally built for Martial Arts.

Angelo's Auto Body & Detailing, LLC, a now-defunct used car dealer and auto repair shop, was recently located at the project site. A 2024 Phase I ESA conducted on a nearby property revealed the presence of two floor drains within the project property, which discharge onto an adjacent property. As of 2024, the site has been abandoned, and the buildings on the premises have been in a state of disrepair. Homeless people occupy the buildings, and the site is littered with a significant amount of solid waste, including small quantities of petroleum products and hazardous substances.

2.0 REVIEW OF AVAILABLE AS-BUILT DRAWINGS

E2 performed a review of available as-built drawings provided by G70. A summary of pertinent findings is provided below.

- *Angleo's Auto-Shop & Bodywork, 535 Avocado Street, Wahiawa, Hawaii (April 30, 2021; 17 pages).* The plans were prepared for the conversion of the existing storage to a new auto-workshop and alterations to the existing bathroom. The plans call note the large building near the intersection has the address of 535 Avocado Street, while the small building has the address of 525 Avocado Street (however, the addresses were found to be reversed during E2's field effort). The plans show the 1-story building was constructed with 8" thick concrete masonry unit (CMU) block walls, and 5/8" thick gypsum board walls with wall insulation, over a shared concrete slab. The fire door was rated at 2 hours. Ceramic tile was called out for the Shower (but was not observed during E2's field effort).

3.0 ASBESTOS SURVEY

The asbestos survey was conducted in general accordance with Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763 Asbestos and Hawaii Department of Health (HDOH), Hawaii Administrative Rules (HAR) 11-501 Asbestos Requirements. The asbestos survey consisted of the collection of a total of 64 bulk samples from 20 observed accessible suspect building components.

Homogeneous Areas (HAs), which are suspect asbestos-containing materials (ACM) that appear uniform in color, texture, and function, were identified. The asbestos inspectors (Bernice Balete HIASB-0449 and Brandon Dela Cruz HIASB-5430) are certified in accordance with the inspector training requirements of the Asbestos Hazard Emergency Response Act (AHERA) and the HDOH Asbestos Inspector Certification Program HAR 11-504. E2 is a HDOH-registered Asbestos entity (A-0120).

The SGS Forensic Laboratories (SGS) Hayward, California location, who analyzed the bulk samples, is registered with the HDOH, Indoor and Radiological Health Branch, Asbestos Section (L-01-025). SGS is also accredited by the American Industrial Hygiene Association (AIHA) under the Industrial Hygiene Laboratory Accreditation Program (IHLAP) for asbestos/fiber microscopy core; and the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis. Samples were analyzed by polarized light microscopy (PLM) with dispersion staining, in accordance with EPA Test Method 600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Results were compared to the standard presence/absence criteria for asbestos, i.e., materials containing over 1% asbestos are considered ACM.

Asbestos was found in the following HAs surveyed at the project site during the field effort:

525 Avocado Street:

- HA *H-25-525AS-F-03*: Black floor mastic remnants observed throughout the building contain 5% to 10% Chrysotile asbestos (assumed only on the lower level, approximately 1,300 SF)
- HA *H-25-525AS-W-01*: Black Non-Fibrous Material in one of the CMU block wall samples (*H-25-525AS-W-01C*) contains 5% Chrysotile asbestos (extent unknown, assumed will be included with HA *H-25-525AS-W-02* below)
- HA *H-25-525AS-W-02*: Silver Paint on the textured wall surfacing contains 3% Chrysotile asbestos (approximately 2,500 SF)

535 Avocado Street:

- HA *H-25-535AS-W-02*: Black felt in one of the textured wall surfacing samples (*H-25-535AS-W-02A*) contains 35% Chrysotile (unknown quantity, observed only around the window frames, but may conservatively cover the entire building)
- HA *H-25-535AS-W-05*: Black Semi-Fibrous Material in one of the samples (*H-25-535AS-W-05B*) contains 25% Chrysotile asbestos (approximately 75 SF, observed on wood plank makeshift walls; however, planks appear to have been from the adjacent building's roof that had fallen in from a previous fire, to the quantity is unknown)
- HA *H-25-535AS-AT-01*: Fire-rated door and door frame is assumed to contain asbestos (1 door and frame observed)

Inaccessible and/or hidden suspect materials not sampled during this field efforts or uncovered during the demolition work should be assumed ACM and managed as such until sampled and proven otherwise. ACM that will be encountered and/or generated during future demolition at the project site will require

proper handling, removal, and disposal by trained workers in accordance with the Occupational Safety and Health Administration (OSHA) Asbestos Standard 29 CFR 1926.1101, EPA National Emission Standard for Asbestos 40 CFR 61-Subpart M, and 40 CFR 763 Asbestos. At least ten (10) working days before demolition or disturbance of friable asbestos above reportable quantities, a "Notification of Demolition and Renovation" must be provided to the HDOH. The designated landfill should be consulted as to their requirements and procedures for the disposal of ACM at their facility.

4.0 CANEC SURVEY

Canec is the common name for a fiberboard building material that was made from sugar cane bagasse, the residual fiber that remains after the juice has been extracted from the sugar cane. Canec usually contains arsenic in the range of 1,000 to 4,000 parts per million (ppm). Suspect canec was not readily observed in the buildings at the project site at the time of the field effort.

Inaccessible and/or hidden suspect materials not sampled during this field efforts should be presumed arsenic-containing until sampled and proven otherwise, if built between the early 1930s to 1964. Prior to demolition, arsenic-containing canec should be removed whole, segregated, wrapped in plastic or placed in plastic bags during transportation, and disposed of similarly to asbestos at a permitted landfill facility. Canec building materials are exempt from State laws requiring a hazardous waste determination to be made prior to disposal. As a result of this exemption, testing canec for arsenic content or leaching characteristics is not required by the State for disposal. The exemption applies whenever canec building materials are segregated from other building materials and disposed of separately. When canec is mixed with other building demolition waste, the combined waste could be subject to hazardous waste determination before disposal. The permitted landfill should be notified prior to disposal of canec materials so the canec can be appropriately segregated or handled in a manner to prevent landfill employees from being exposed during their operations.

5.0 LEAD PAINT SURVEY

The paint survey was conducted in general accordance with U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of lead-based paint (LBP) Hazards in Housing and HAR Chapter 11-41. The lead paint survey consisted of the collection of a total of 23 paint samples of building components with paint in mostly intact condition with some areas in poor condition. The paint inspectors (Bernice Balete PB-0449 and Brandon Dela Cruz PB-1413) are certified by the HDOH Lead Activities Inspector Certification Program. E2 is a HDOH-registered LBP activities entity (PBF-0032).

SGS of Hayward, California, who analyzed the paint chip samples, is accredited by the AIHA under the Laboratory Accreditation Program (ELAP). Samples were analyzed for total lead by Inductively Coupled Plasma - Atomic Emission Spectrometry (ICP-AES), in accordance with EPA Methods 3050B/7000B.

Results were compared to standard presence/absence criteria for lead, i.e., paint containing 0.5% or more by weight or 5,000 ppm or more of total lead are considered LBP. Paint with any detectable amount of lead is considered lead-containing paint (LCP). Both LBP and LCP are worker protection issues. (For comparison, the U.S. Consumer Product Safety Improvement Act 16 CFR 1303.101 allows no more than 90 ppm of total lead content in accessible parts of children's products. There may also be some background concentrations of lead in metal and concrete components.)

525 Avocado Street:

- One (1) of the paint samples contained a concentration of lead greater than 0.5% by weight (considered LBP) – sample 525AS-P02 collected from the white upper plaster exterior wall contained 0.6% lead by weight.
- Six (6) paint samples contained detectable concentrations of lead ranging from 0.008 to 0.11% lead by weight (considered LCP).
- The remaining eight (8) paint samples were ND for lead above the laboratory reporting limits (ranging from 0.006 to 0.007% weight).

535 Avocado Street:

- Four (4) of the paint samples contained concentrations of lead greater than 0.5% by weight (considered LBP) – samples 535AS-P02, -P03, -P04, and -P08 with concentrations ranging from 0.8 to 5.4% lead by weight.
- The four (4) remaining paint samples contained concentrations of lead ranging from 0.021 to 0.29% lead by weight (considered LCP).

Loose and flaky lead paint should be removed prior to demolition. Lead paint/debris that will be encountered and/or generated at the project site will require proper handling, removal, and/or disposal in accordance with OSHA Lead in Construction Standard 29 CFR 1926.62 and Hawaii Occupational Safety and Health (HIOSH) rules and regulations. Appropriate worker protection measures for lead should be taken during the renovation work to limit lead exposure to personnel and releases to the environment.

Metal debris (with intact paint) should be recycled when possible to decrease the amount of waste taken to the landfill and to possibly minimize the likelihood of the Toxicity Characteristic Leaching Procedure (TCLP) samples exceeding leaching criteria, 40 CFR 261 Identification and Listing of Hazardous Waste. A representative TCLP sample(s) of the remaining waste stream(s) may need to be collected and analyzed prior to landfill acceptance. The landfill should be consulted as to their requirements and procedures for the disposal of lead-contaminated waste and debris at their facility.

6.0 FLUORESCENT LIGHT FIXTURE VISUAL INVENTORY

The Toxic Substances Control Act (TSCA) banned the production of polychlorinated biphenyls (PCBs) in 1976 in the U.S. In fluorescent light fixtures, PCBs are usually found in ballasts either within small capacitors or in the form of a black tar- like compound. The following guidelines are used to determine if the ballasts contain PCBs:

- All ballasts manufactured before July 1, 1978 are assumed to contain PCBs;
- Ballasts manufactured after July 1, 1978 that do not contain PCBs should be labeled “No PCBs” by the manufacturer in accordance with the federal regulations; and
- If a ballast is not labeled “No PCBs”, it is best to assume that it contains PCBs.

E2 conducted a visual inventory for suspect PCBs in fluorescent light fixture ballasts and the accompanying mercury-containing fluorescent lamps or compact fluorescent light (CFL) bulbs. A total of five (5) fluorescent light fixtures, possibly with 5 ballasts and up to 10 lamps were observed in the buildings at the project site. E2 did not attempt to open any of the light fixtures due to inaccessibility and safety concerns.

The fluorescent light lamps containing mercury shall be removed before renovation and disposed as Universal Waste. If a ballast is not labeled "No PCBs", it is assumed to contain PCBs. PCB debris encountered and/or generated at the project site will require proper handling, removal, and/or disposal in accordance with OSHA PCB Standards 29 CFR 1910.1000 and 40 CFR 761. Appropriate worker protection measures should be taken during the renovation work to limit PCBs and mercury exposure to personnel and releases to the environment. In general, materials containing 50 ppm or greater PCBs are regulated under TSCA.

We appreciate the opportunity to have worked with you on this project. Should you have any questions or require additional information related to this report, please call me at (808) 864-3952.

Sincerely,

Ryan Yamauchi, P.E.
President
Hawaii Asbestos Inspector HIASB-2905
Hawaii LBP Inspector and Risk Assessor PB-0117

Appendix A 525 Avocado Street
Appendix B 535 Avocado Street

APPENDIX A
525 Avocado Street

Laboratory Asbestos Results

525 Avocado Street
Wahiawa, Oahu, Hawaii

Hazardous Materials Survey Report
Survey Date: March 25, 2025

Homogeneous Area	Material Type	Material Description	Friability	Condition	Sample ID	Sample Location	Layer (% of Combined Sample)	Asbestos %
H-25-525AS-C-01	Miscellaneous	Acoustic Ceiling Tile (1'x2' white-painted brown, pegholes) and Mastic (brown)	Friable	Significantly Damaged	H-25-525AS-C-01A	Interior	1 Brown Mastic (10%)	ND
							2 Tan Fibrous Material (85%)	ND
							3 Paint (5%)	ND
					H-25-525AS-C-01B		1 Brown Mastic (10%)	ND
							2 Tan Fibrous Material (85%)	ND
							3 Paint (5%)	ND
					H-25-525AS-C-01C		1 Brown Mastic (10%)	ND
							2 Tan Fibrous Material (85%)	ND
							3 Paint (5%)	ND
H-25-525AS-C-02	Miscellaneous	Roof Coating (white) and Tar Paper (black)	NF	Significantly Damaged	H-25-525AS-C-02A	Interior	1 Stones (5%)	ND
							2 Black Tar (5%)	ND
							3 Green Non-Fibrous Material (40%)	ND
							4 White Non-Fibrous Material (5%)	ND
							5 Green Non-Fibrous Material (40%)	ND
							6 Grey Non-Fibrous Coating (5%)	ND
					H-25-525AS-C-02B	Interior	1 Black Felt (25%)	ND
							2 Stones (25%)	ND
							3 Black Tar (5%)	ND
							4 Green Non-Fibrous Material (40%)	ND
							5 Grey Non-Fibrous Coating (5%)	ND
					H-25-525AS-C-02C	Exterior	1 Grey Non-Fibrous Material (5%)	ND
							2 Green Non-Fibrous Material (5%)	ND
							3 Black Tar (10%)	ND
							4 Black Felt (20%)	ND
							5 Black Tar (10%)	ND
							6 Black Felt (20%)	ND
							7 Black Tar (10%)	ND
							8 Black Felt (20%)	ND
					H-25-525AS-C-02D	Exterior	1 Stones (50%)	ND
							2 Black Tar (5%)	ND
							3 Green Non-Fibrous Material (40%)	ND
							4 Grey Non-Fibrous Coating (5%)	ND
					H-25-525AS-C-02E	Exterior	1 Stones (50%)	ND
							2 Black Tar (5%)	ND
							3 Green Non-Fibrous Material (40%)	ND
							4 Grey Non-Fibrous Coating (5%)	ND
H-25-525AS-F-01	Miscellaneous	Concrete Floor/Foundation	NF	Intact	H-25-525AS-F-01A	Exterior	1 Grey Cementitious Material (84%)	ND
							2 Grey Cementitious Material (15%)	ND
							3 Paint (1%)	ND
					H-25-525AS-F-01B	Exterior	1 Grey Cementitious Material (85%)	ND
							2 Grey Cementitious Material (15%)	ND
					H-25-525AS-F-01C	Interior	1 Grey Cementitious Material (85%)	ND
							2 Grey Cementitious Material (15%)	ND
H-25-525AS-F-02	Miscellaneous	Vinyl Floor Tile/Mastic (9"x9" blue/yellow)	NF	Significantly Damaged	H-25-525AS-F-02A	Interior	2 Yellow Mastic (2%)	ND
							1 Blue Tile (98%)	ND
					H-25-525AS-F-02B		1 Blue Tile (98%)	ND
							2 Yellow Mastic (2%)	ND
					H-25-525AS-F-02C		1 Blue Tile (98%)	ND
							2 Yellow Mastic (2%)	ND

Laboratory Asbestos Results

525 Avocado Street
Wahiawa, Oahu, Hawaii

Hazardous Materials Survey Report
Survey Date: March 25, 2025

Homogeneous Area	Material Type	Material Description	Friability	Condition	Sample ID	Sample Location	Layer (% of Combined Sample)	Asbestos %
H-25-525AS-F-03	**Miscellaneous**	**Floor Mastic remnants (black)**	**NF**	**Intact**	**H-25-525AS-F-03A**	**Interior**	**1 Black Mastic (100%)**	**10% Chrysotile**
					H-25-525AS-F-03B		**1 Black Mastic (100%)**	**10% Chrysotile**
					H-25-525AS-F-03C		**1 Black Mastic (100%)**	**5% Chrysotile**
H-25-525AS-W-01	**Miscellaneous**	**CMU Block Wall/Grout**	**NF**	**Intact**	H-25-525AS-W-01A	Exterior	1 Grey Cementitious Material (85%)	ND
							2 Beige Cementitious Material (15%)	ND
					H-25-525AS-W-01B		1 Grey Cementitious Material (85%)	ND
							2 Beige Cementitious Material (15%)	ND
					H-25-525AS-W-01C		**1 Black Non-Fibrous Material (2%)**	**5% Chrysotile**
							2 Grey Cementitious Material (82%)	ND
							3 Beige Cementitious Material (15%)	ND
							4 Paint (1%)	ND
H-25-525AS-W-02	**Surfacing**	**Textured Wall Surfacing (off-white, smooth)**	**NF**	**Intact**	**H-25-525AS-W-02A**	**Exterior**	1 Beige Non-Fibrous Material (35%)	ND
							2 Silver Paint (10%)	**3% Chrysotile**
							3 Beige Non-Fibrous Material (54%)	ND
							4 Paint (1%)	ND
					H-25-525AS-W-02B		1 Beige Non-Fibrous Material (35%)	ND
							2 Silver Paint (10%)	**3% Chrysotile**
							3 Beige Non-Fibrous Material (54%)	ND
							4 Paint (1%)	ND
					H-25-525AS-W-02C		1 Beige Non-Fibrous Material (35%)	ND
							2 Silver Paint (10%)	**3% Chrysotile**
							3 Beige Non-Fibrous Material (54%)	ND
							4 Paint (1%)	ND
					H-25-525AS-W-02D		1 Beige Non-Fibrous Material (35%)	ND
							2 Silver Paint (10%)	**3% Chrysotile**
							3 Beige Non-Fibrous Material (54%)	ND
							4 Paint (1%)	ND
					H-25-525AS-W-02E		1 Beige Non-Fibrous Material (95%)	ND
							2 Paint (5%)	ND
H-25-525AS-W-03	Miscellaneous	Brick Wall/Grout (9"x40" gray/gray)	NF	Intact	H-25-525AS-W-03A	Exterior	1 Grey Cementitious Material (84%)	ND
							2 Grey Cementitious Material (15%)	ND
							3 Paint (1%)	ND
					H-25-525AS-W-03B	Exterior	1 Beige Cementitious Material (75%)	ND
							2 Grey Cementitious Material (24%)	ND
							3 Paint (1%)	ND
					H-25-525AS-W-03C	Interior	1 Beige Cementitious Material (75%)	ND
							2 Grey Cementitious Material (24%)	ND
							3 Paint (1%)	ND
H-25-525AS-W-04	Miscellaneous	Fiberboard Wall (white-painted tan with pegholes)	Friable	Intact	H-25-525AS-W-04A	Interior	1 Tan Fibrous Material (95%)	ND
							2 Paint (5%)	ND
					H-25-525AS-W-04B		1 Tan Fibrous Material (95%)	ND
							2 Paint (5%)	ND
					H-25-525AS-W-04C		1 Tan Fibrous Material (95%)	ND
							2 Paint (5%)	ND

Laboratory Asbestos Results

525 Avocado Street
Wahiawa, Oahu, Hawaii

Hazardous Materials Survey Report
Survey Date: March 25, 2025

Homogeneous Area	Material Type	Material Description	Friability	Condition	Sample ID	Sample Location	Layer (% of Combined Sample)	Asbestos %
H-25-525AS-W-05	Miscellaneous	CMU Block Wall/Grout (Property Retaining Wall)	NF	Intact	H-25-525AS-W-05A	Exterior	1 Grey Cementitious Material (95%)	ND
							2 Paint (5%)	ND
					H-25-525AS-W-05B		1 Grey Cementitious Material (95%)	ND
							2 Paint (5%)	ND
					H-25-525AS-W-05C		1 Grey Cementitious Material (95%)	ND
							2 Paint (5%)	ND
H-25-525AS-M-01	Miscellaneous	Floor Mastic remnants (yellow)	NF	Intact	H-25-525AS-M-01A	Interior	1 Multicolored Non-Fibrous Material (95%)	ND
							2 Yellow Non-Fibrous Material (5%)	ND
					H-25-525AS-M-01B		1 Multicolored Non-Fibrous Material (95%)	ND
							2 Yellow Non-Fibrous Material (5%)	ND
					H-25-525AS-M-01C		1 Multicolored Non-Fibrous Material (95%)	ND
							2 Yellow Non-Fibrous Material (5%)	ND
H-25-525AS-M-02	Miscellaneous	Window Caulking (white)	NF	Significantly Damaged	H-25-525AS-M-02A	Exterior	1 Off-White Non-Fibrous Material (95%)	ND
							2 Paint (5%)	ND
					H-25-525AS-M-02B		1 Off-White Non-Fibrous Material (95%)	ND
							2 Paint (5%)	ND
					H-25-525AS-M-02C		1 Off-White Non-Fibrous Material (95%)	ND
							2 Paint (5%)	ND

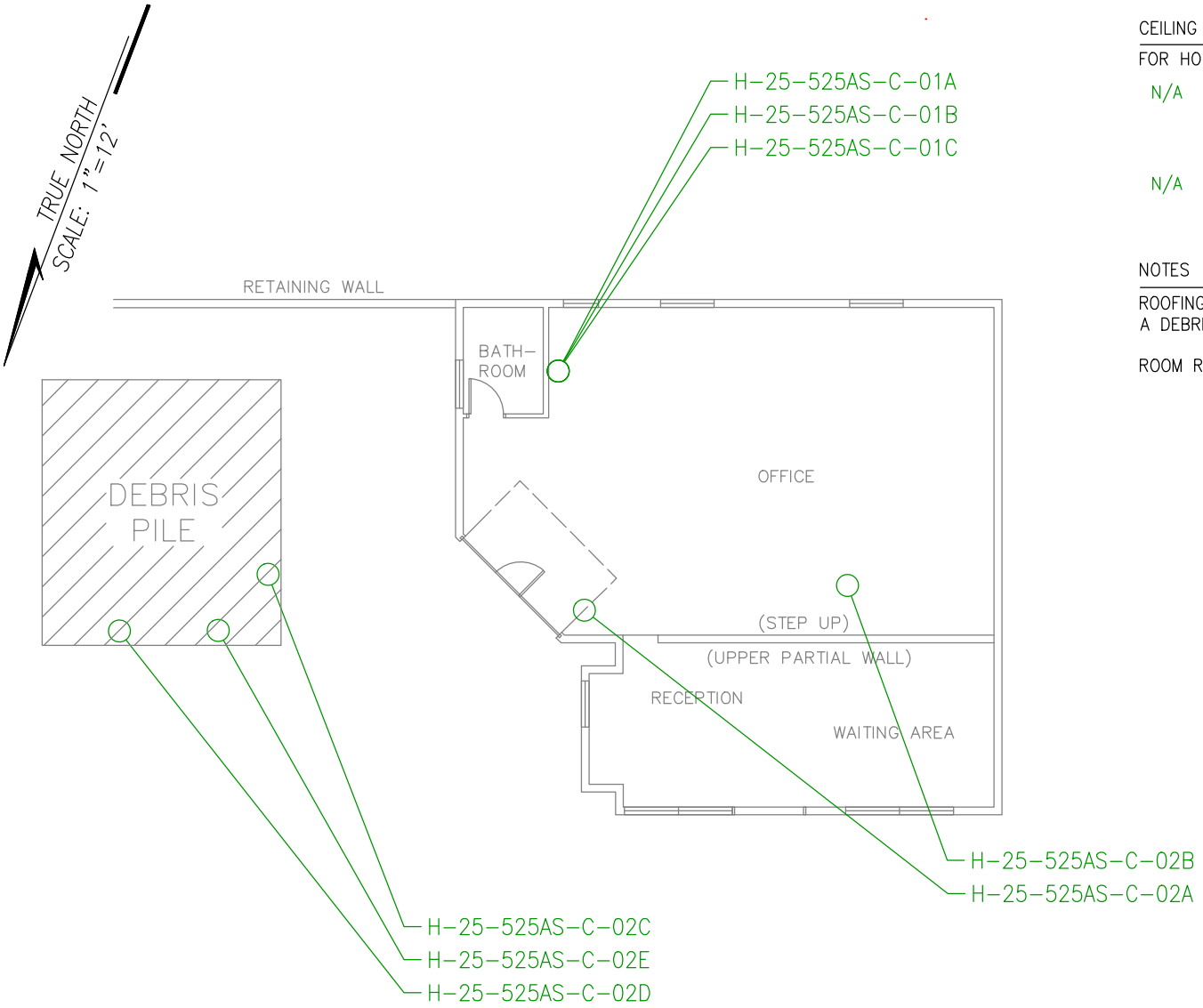
Laboratory Lead Results

525 Avocado Street
Wahiawa, Oahu, Hawaii

Hazardous Materials Survey Report
Survey Date: March 25, 2025

Sample ID	Sample Description	Sample Location	Condition	Lead %
525AS-P01	Off-white Lower Plaster Wall	Exterior	Intact	ND (<0.007)
525AS-P02	**White Upper Plaster Wall**	**Exterior**	**Intact**	**0.6**
525AS-P03	Gray Brick Wall	Exterior	Intact	ND (<0.006)
525AS-P04	Off-white Brick Wall	Exterior	Intact	0.011
525AS-P05	White Brick Wall	Exterior	Intact	ND (<0.006)
525AS-P06	Gray Wood Wall	Exterior	Intact	ND (<0.006)
525AS-P07	Off-white Wood Wall	Exterior	Intact	ND (<0.006)
525AS-P08	Gray Plaster Wall	Interior	Poor	0.086
525AS-P09	Beige Plaster Wall	Interior	Intact	0.008
525AS-P10	Blue Plaster Wall	Interior	Poor	ND (<0.006)
525AS-P11	Beige Plaster Wall	Interior	Poor	0.11
525AS-P12	Beige Brick Wall	Interior	Intact	ND (<0.006)
525AS-P13	White Gypsum Wall (detached)	Interior	Poor	ND (<0.007)
525AS-P14	Blue Plaster Wall	Interior	Poor	0.066
525AS-P15	Red Concrete Floor	Interior	Intact	0.012

ND < RL = Lead not detected above Laboratory Reporting Limit (RL)
LCP = Lead-containing paint > Laboratory RL and < 0.5 wt% or 5,000 mg/kg
LBP = Lead-based paint ≥ 0.5 wt% or 5,000 mg/kg



CEILING HOMOGENEOUS AREAS

FOR HOMOGENEOUS AREAS WITH NO SYMBOL, SEE SAMPLE LOCATIONS.

N/A	C-01	ACOUSTIC CEILING TILE REMNANTS (1'x2' WHITE-PAINTED BROWN, PEGHOLES) AND MASTIC (DARK BROWN)
N/A	C-02	ROOF COATING REMNANTS (WHITE) AND TAR PAPER (BLACK)

NOTES

ROOFING (C-02) WAS ALSO SAMPLED FROM A DEBRIS PILE LOCATED OUTSIDE OF THE BUILDING.

ROOM REFERENCES ARE FROM APRIL 30, 2021 DRAWINGS.

SAMPLE LOCATIONS

○ NEGATIVE ASBESTOS

12' 6' 0 12' 24'

SCALE: 1" = 12'

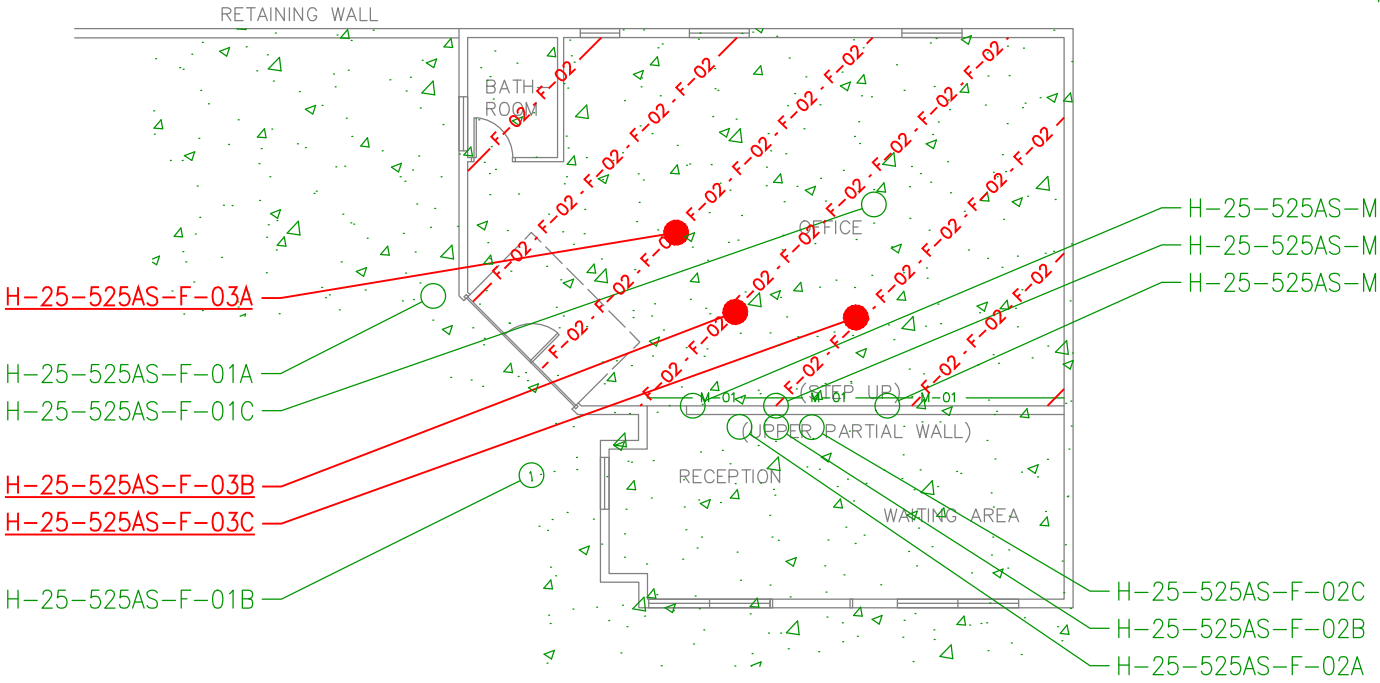
	SURVEY DATE: MARCH 25, 2025	PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION WAHIAWA, OAHU, HAWAII
	FIGURE TITLE: 525 AVOCADO STREET, ASBESTOS CEILING SAMPLE RESULTS AND APPROXIMATE LOCATIONS	FIGURE NO.: A-1

TRUE NORTH
SCALE: 1"=12'

FLOOR HOMOGENEOUS AREAS

FOR HOMOGENEOUS AREAS WITH NO SYMBOL, SEE SAMPLE LOCATIONS.

	F-01	CONCRETE FLOOR/FOUNDATION
N/A	F-02	VINYL FLOOR TILE REMNANTS/MASTIC (9"x9" BLUE/YELLOW)
	F-03	FLOOR MASTIC REMNANTS (BLACK) (ASSUMED EXTENT SHOWN)
– M-01 –	M-01	FLOOR MASTIC REMNANTS (YELLOW)

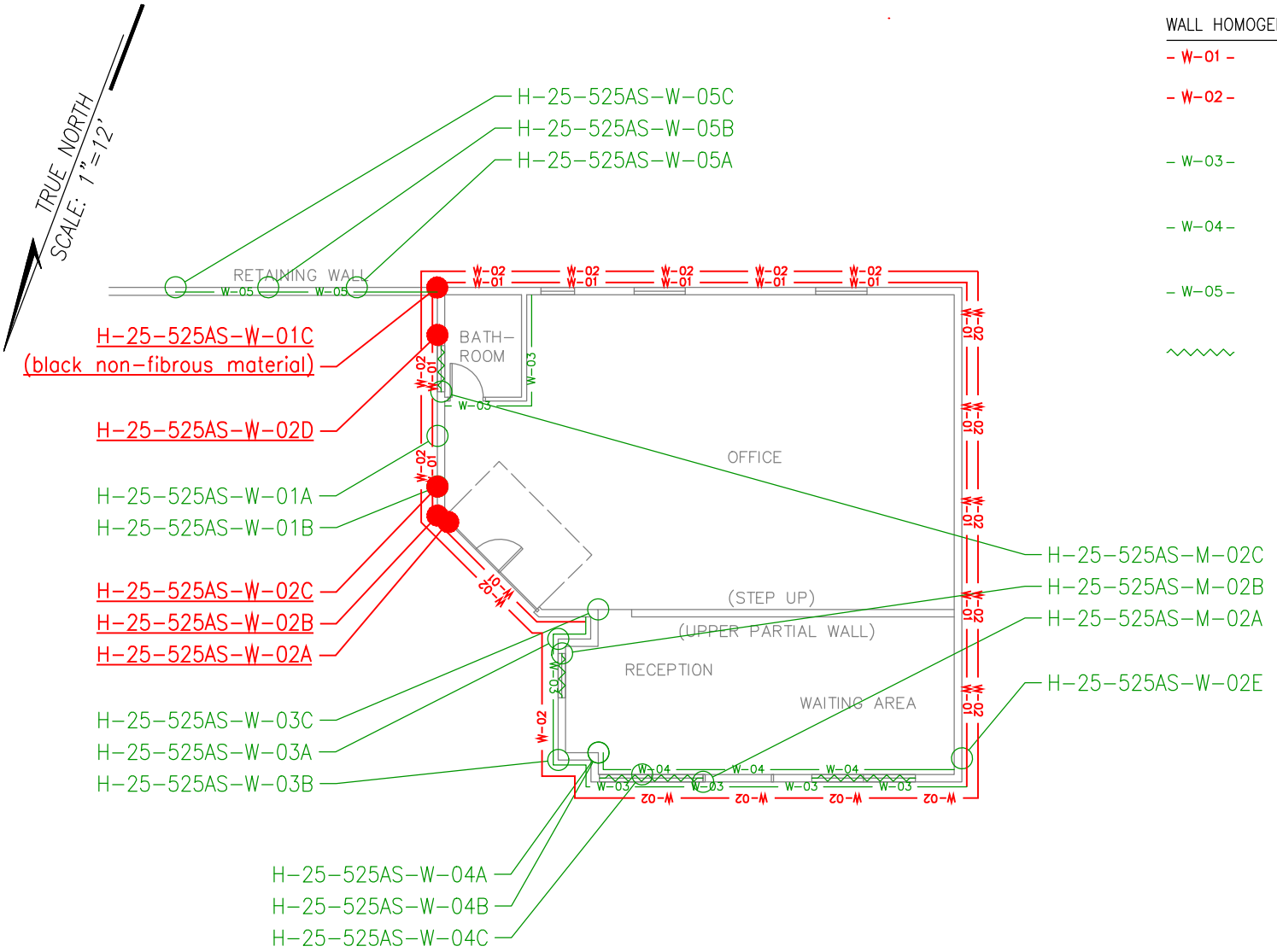


SAMPLE LOCATIONS

- NEGATIVE ASBESTOS
- POSITIVE ASBESTOS

12' 6' 0 12' 24'
SCALE: 1" = 12'

	SURVEY DATE: MARCH 25, 2025	PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION WAHIAWA, OAHU, HAWAII
	FIGURE TITLE: 525 AVOCADO STREET, ASBESTOS FLOOR SAMPLE RESULTS AND APPROXIMATE LOCATIONS	FIGURE NO.: A-2



WALL HOMOGENEOUS AREAS

– W-01 –	W-01	CMU BLOCK WALL/GROUT
– W-02 –	W-02	TEXTURED WALL SURFACING (OFF-WHITE, SMOOTH)
– W-03 –	W-03	BRICK WALL/GROUT (9"x40" GRAY/GRAY)
– W-04 –	W-04	FIBERBOARD WALLS (WHITE-PAINTED TAN, PEGHOLES)
– W-05 –	W-05	CMU BLOCK WALL/GROUT (PROPERTY RETAINING WALL)
~~	M-02	WINDOW CAULKING (WHITE)

SAMPLE LOCATIONS

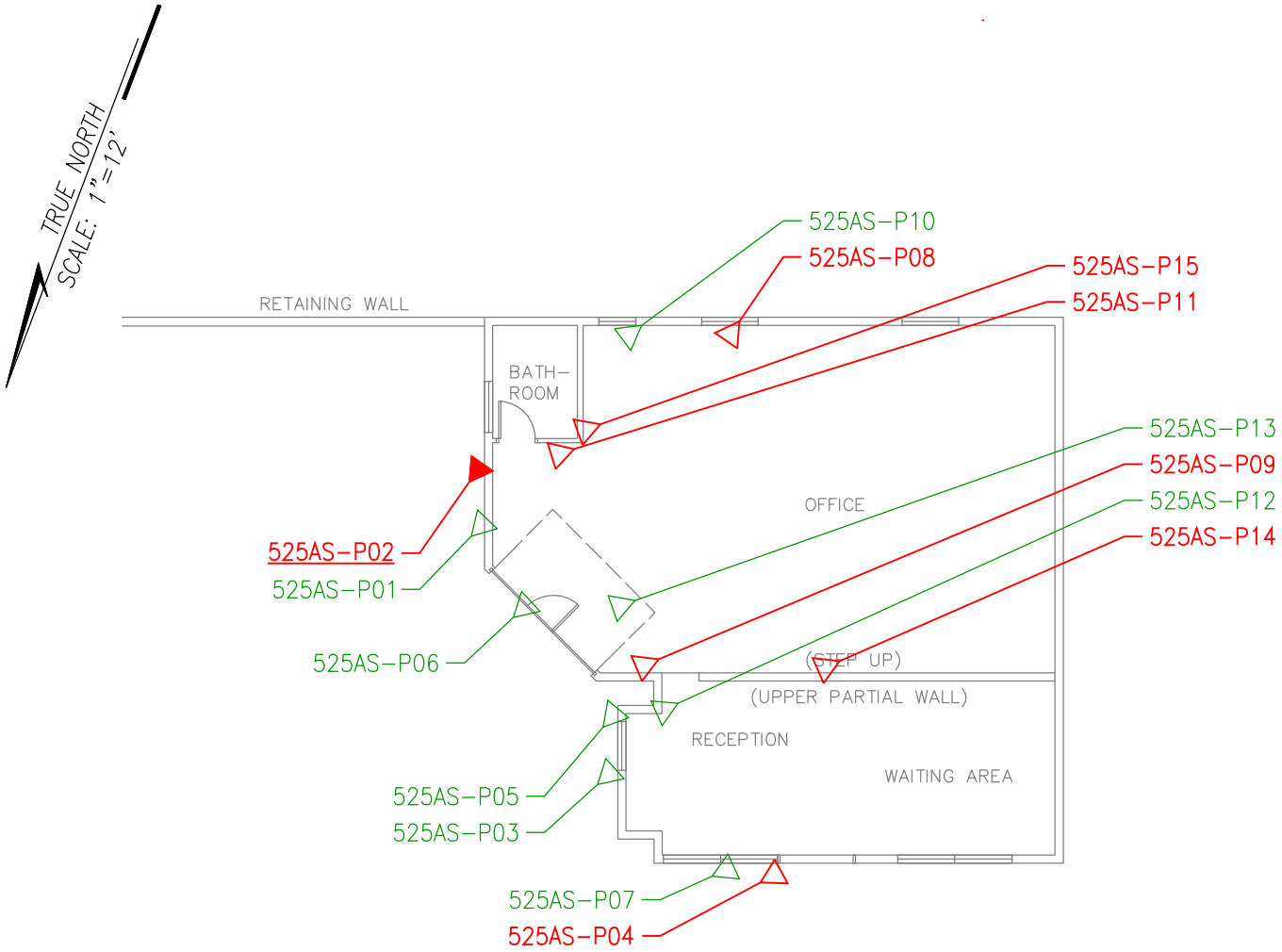
○ NEGATIVE ASBESTOS

● POSITIVE ASBESTOS

12' 6' 0 12' 24'

SCALE: 1" = 12'

	SURVEY DATE: MARCH 25, 2025	PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION WAHIAWA, OAHU, HAWAII
	FIGURE TITLE: 525 AVOCADO STREET, ASBESTOS WALL SAMPLE RESULTS AND APPROXIMATE LOCATIONS	FIGURE NO.: A-3



PAINT SAMPLES

P01	OFF-WHITE LOWER PLASTER WALL
P02	WHITE UPPER PLASTER WALL
P03	GRAY BRICK WALL
P04	OFF-WHITE BRICK WALL
P05	WHITE BRICK WALL
P06	GRAY WOOD WALL
P07	OFF-WHITE WOOD WALL
P08	GRAY PLASTER WALL
P09	BEIGE PLASTER WALL
P10	BLUE PLASTER WALL
P11	BEIGE PLASTER WALL
P12	BEIGE BRICK WALL
P13	GRAY & WHITE GYPSUM WALL
P14	BLUE PLASTER WALL
P15	RED CONCRETE FLOOR

SAMPLE LOCATIONS

△ NEGATIVE LEAD

△ LEAD-CONTAINING PAINT

▲ LEAD-BASED PAINT

12' 6' 0 12' 24'

SCALE: 1" = 12'

SURVEY DATE: MARCH 25, 2025

PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION
WAHIAWA, OAHU, HAWAII

FIGURE TITLE: 525 AVOCADO STREET,
LEAD PAINT CHIP SAMPLE RESULTS
AND APPROXIMATE LOCATIONS

FIGURE NO.: A-4

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 1 - H-25-525AS-C-01ABC (Close-Up)
[BDC\BDC01722.JPG]

Photo 2 - H-25-525AS-C-01ABC (Panoramic)
[BDC\BDC01724.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 3 - H-25-525AS-C-02A (Close-Up)
[BB\DSCN4668.JPG]

Photo 4 - H-25-525AS-C-02A (Panoramic)
[BB\DSCN4669.JPG]

Photo 5 - H-25-525AS-C-02B (Close-Up)
[BB\DSCN4670.JPG]

Photo 6 - H-25-525AS-C-02B (Panoramic)
[BB\DSCN4671.JPG]

Photo 7 - H-25-525AS-C-02C (Close-Up)
[BB\DSCN4672.JPG]

Photo 8 - H-25-525AS-C-02C (Panoramic)
[BB\DSCN4673.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 9 - H-25-525AS-C-02D (Close-Up)
[BB\DSCN4674.JPG]

Photo 10 - H-25-525AS-C-02D (Panoramic)
[BB\DSCN4675.JPG]

Photo 11 - H-25-525AS-C-02E (Close-Up)
[BB\DSCN4676.JPG]

Photo 12 - H-25-525AS-C-02E (Panoramic)
[BB\DSCN4677.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 13 - H-25-525AS-F-01A (Close-Up)
[BDC\BDC01697.JPG]

Photo 14 - H-25-525AS-F-01A (Panoramic)
[BDC\BDC01698.JPG]

Photo 15 - H-25-525AS-F-01B (Close-Up)
[BDC\BDC01699.JPG]

Photo 16 - H-25-525AS-F-01B (Panoramic)
[BDC\BDC01700.JPG]

Photo 17 - H-25-525AS-F-01C (Close-Up)
[BDC\BDC01701.JPG]

Photo 18 - H-25-525AS-F-01C (Panoramic)
[BDC\BDC01702.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 19 - H-25-525AS-F-02A (Close-Up)
[BDC\BDC01709.JPG]

Photo 20 - H-25-525AS-F-02A (Panoramic)
[BDC\BDC01710.JPG]

Photo 21 - H-25-525AS-F-02B (Close-Up)
[BDC\BDC01711.JPG]

Photo 22 - H-25-525AS-F-02B (Panoramic)
[BDC\BDC01712.JPG]

Photo 23 - H-25-525AS-F-02C (Close-Up)
[BDC\BDC01713.JPG]

Photo 24 - H-25-525AS-F-02C (Panoramic)
[BDC\BDC01714.JPG]

Photo 25 - H-25-525AS-F-03A (Close-Up)
[BDC\BDC01703.JPG]

Photo 26 - H-25-525AS-F-03A (Panoramic)
[BDC\BDC01704.JPG]

Photo 27 - H-25-525AS-F-03B (Close-Up)
[BDC\BDC01705.JPG]

Photo 28 - H-25-525AS-F-03B (Panoramic)
[BDC\BDC01706.JPG]

Photo 29 - H-25-525AS-F-03C (Close-Up)
[BDC\BDC01707.JPG]

Photo 30 - H-25-525AS-F-03C (Panoramic)
[BDC\BDC01708.JPG]

Photo 31 - H-25-525AS-W-01A (Close-Up)
[BDC\BDC01725.JPG]

Photo 32 - H-25-525AS-W-01A (Panoramic)
[BDC\BDC01726.JPG]

Photo 33 - H-25-525AS-W-01B (Close-Up)
[BDC\BDC01727.JPG]

Photo 34 - H-25-525AS-W-01B (Panoramic)
[BDC\BDC01728.JPG]

Photo 35 - H-25-525AS-W-01C (Close-Up)
[BDC\BDC01729.JPG]

Photo 36 - H-25-525AS-W-01C (Panoramic)
[BDC\BDC01730.JPG]

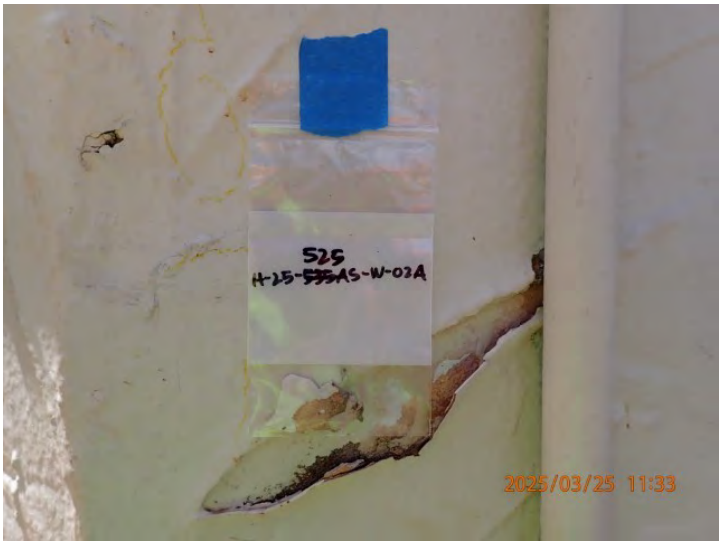


Photo 37 - H-25-525AS-W-02A (Close-Up)
[BDC\BDC01737.JPG]

Photo 38 - H-25-525AS-W-02A (Panoramic)
[BDC\BDC01738.JPG]

Photo 39 - H-25-525AS-W-02B (Close-Up)
[BDC\BDC01739.JPG]

Photo 40 - H-25-525AS-W-02B (Panoramic)
[BDC\BDC01740.JPG]

Photo 41 - H-25-525AS-W-02C (Close-Up)
[BDC\BDC01741.JPG]

Photo 42 - H-25-525AS-W-02C (Panoramic)
[BDC\BDC01742.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 43 - H-25-525AS-W-02D (Close-Up)
[BDC\BDC01743.JPG]

Photo 44 - H-25-525AS-W-02D (Panoramic)
[BDC\BDC01744.JPG]

Photo 45 - H-25-525AS-W-02E (Close-Up)
[BDC\BDC01745.JPG]

Photo 46 - H-25-525AS-W-02E (Panoramic)
[BDC\BDC01746.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 47 - H-25-525AS-W-03A (Close-Up)
[BDC\BDC01731.JPG]

Photo 48 - H-25-525AS-W-03A (Panoramic)
[BDC\BDC01732.JPG]

Photo 49 - H-25-525AS-W-03B (Close-Up)
[BDC\BDC01733.JPG]

Photo 50 - H-25-525AS-W-03B (Panoramic)
[BDC\BDC01734.JPG]

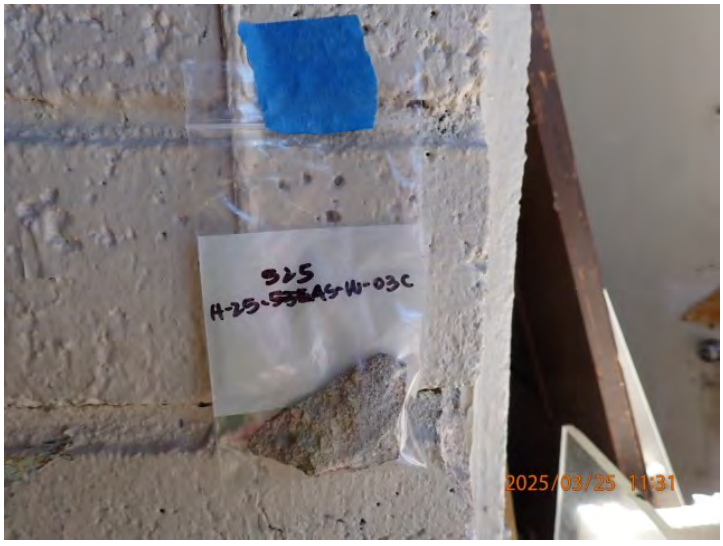


Photo 51 - H-25-525AS-W-03C (Close-Up)
[BDC\BDC01735.JPG]

Photo 52 - H-25-525AS-W-03C (Panoramic)
[BDC\BDC01736.JPG]

Photo 53 - H-25-525AS-W-04A (Close-Up)
[BB\DSCN4657.JPG]

Photo 54 - H-25-525AS-W-04AB (Panoramic)
[BB\DSCN4659.JPG]

Photo 55 - H-25-525AS-W-04B (Close-Up)
[BB\DSCN4658.JPG]

Photo 56 - H-25-525AS-W-04C (Close-Up)
[BB\DSCN4660.JPG]

Photo 57 - H-25-525AS-W-04C (Panoramic)
[BB\DSCN4661.JPG]

Photo 58 - H-25-525AS-W-05A (Close-Up)
[BDC\BDC01747.JPG]

Photo 59 - H-25-525AS-W-05A (Panoramic)
[BDC\BDC01748.JPG]

Photo 60 - H-25-525AS-W-05B (Close-Up)
[BDC\BDC01749.JPG]

Photo 61 - H-25-525AS-W-05B (Panoramic)
[BDC\BDC01750.JPG]

Photo 62 - H-25-525AS-W-05C (Close-Up)
[BDC\BDC01751.JPG]

Photo 63 - H-25-525AS-W-05C (Panoramic)
[BDC\BDC01752.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 64 - H-25-525AS-M-01A (Close-Up)
[BDC\BDC01715.JPG]

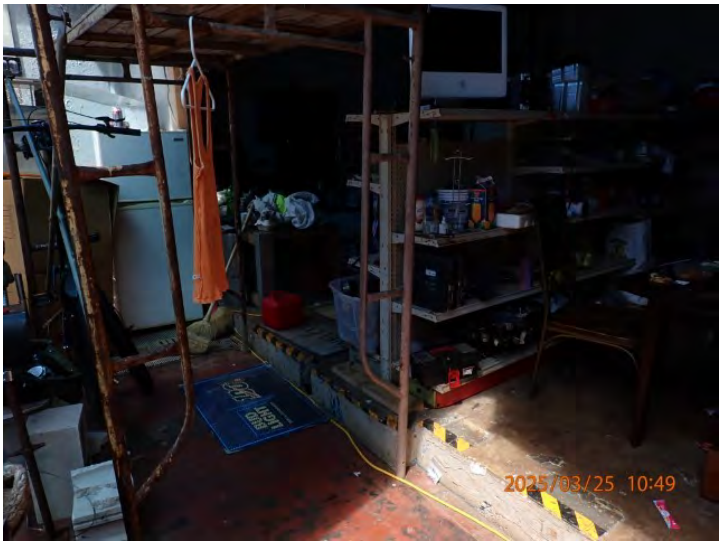


Photo 65 - H-25-525AS-M-01A (Panoramic)
[BDC\BDC01716.JPG]

Photo 66 - H-25-525AS-M-01B (Close-Up)
[BDC\BDC01717.JPG]

Photo 67 - H-25-525AS-M-01B (Panoramic)
[BDC\BDC01718.JPG]

Photo 68 - H-25-525AS-M-01C (Close-Up)
[BDC\BDC01720.JPG]

Photo 69 - H-25-525AS-M-01C (Panoramic)
[BDC\BDC01721.JPG]

Photo 70 - H-25-525AS-M-02A (Close-Up)
[BB\DSCN4662.JPG]

Photo 71 - H-25-525AS-M-02A (Panoramic)
[BB\DSCN4663.JPG]

Photo 72 - H-25-525AS-M-02B (Close-Up)
[BB\DSCN4664.JPG]

Photo 73 - H-25-525AS-M-02B (Panoramic)
[BB\DSCN4665.JPG]

Photo 74 - H-25-525AS-M-02C (Close-Up)
[BB\DSCN4666.JPG]

Photo 75 - H-25-525AS-M-02C (Panoramic)
[BB\DSCN4667.JPG]

Photo 76 - 525AS-P01 (Close-Up)
[BB\DSCN4615.JPG]

Photo 77 - 25AS-P01 (Panoramic)
[BB\DSCN4616.JPG]

Photo 78 - 525AS-P02 (Close-Up)
[BB\DSCN4617.JPG]

Photo 79 - 525AS-P02 (Panoramic)
[BB\DSCN4618.JPG]

Photo 80 - 525AS-P03 (Close-Up)
[BB\DSCN4619.JPG]

Photo 81 - 525AS-P03 (Panoramic)
[BB\DSCN4620.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 82 - 525AS-P04 (Close-Up)
[BB\DSCN4621.JPG]

Photo 83 - 525AS-P04 (Panoramic)
[BB\DSCN4622.JPG]

Photo 84 - 525AS-P05 (Close-Up)
[BB\DSCN4623.JPG]

Photo 85 - 525AS-P05 (Panoramic)
[BB\DSCN4624.JPG]

Photo 86 - 525AS-P06 (Close-Up)
[BB\DSCN4626.JPG]

Photo 87 - 525AS-P06 (Panoramic)
[BB\DSCN4627.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 88 - 525AS-P07 (Close-Up)
[BB\DSCN4628.JPG]

Photo 89 - 525AS-P07 (Panoramic)
[BB\DSCN4629.JPG]

Photo 90 - 525AS-P08 (Close-Up)
[BB\DSCN4632.JPG]

Photo 91 - 525AS-P08 (Panoramic)
[BB\DSCN4633.JPG]

Photo 92 - 525AS-P09 (Close-Up)
[BB\DSCN4634.JPG]

Photo 93 - 525AS-P09 (Panoramic)
[BB\DSCN4635.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 94 - 525AS-P10 (Close-Up)
[BB\DSCN4638.JPG]

Photo 95 - 525AS-P10 (Panoramic)
[BB\DSCN4639.JPG]

Photo 96 - 525AS-P11 (Close-Up)
[BB\DSCN4640.JPG]

Photo 97 - 525AS-P11 (Panoramic)
[BB\DSCN4641.JPG]

Photo 98 - 525AS-P12 (Close-Up)
[BB\DSCN4636.JPG]

Photo 99 - 525AS-P12 (Panoramic)
[BB\DSCN4637.JPG]

525 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 100 - 525AS-P13 (Close-Up)
[BB\DSCN4630.JPG]

Photo 101 - 525AS-P13 (Panoramic)
[BB\DSCN4631.JPG]

Photo 102 - 525AS-P-14 (Close-Up)
[BB\DSCN4655.JPG]

Photo 103 - 525AS-P14 (Panoramic)
[BB\DSCN4656.JPG]

Photo 104 - 525AS-P15 (Close-Up)
[BB\DSCN4642.JPG]

Photo 105 - 525AS-P15 (Panoramic)
[BB\DSCN4643.JPG]

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-0

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: B371180
Date Received: 04/22/25
Date Analyzed: 05/13/25
Date Printed: 05/13/25
First Reported: 05/13/25

Job ID/Site: 250018; 525 Avocado Street; Wahiawa, Oahu, Hawaii

SGSFL Job ID: L1617
Total Samples Submitted: 40
Total Samples Analyzed: 40

Date(s) Collected: 03/25/2025

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-525AS-C-01A	51853258						
Layer: Brown Mastic			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (85 %)		**Asbestos (ND)**					
H-25-525AS-C-01B	51853259						
Layer: Brown Mastic			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (85 %)		**Asbestos (ND)**					
H-25-525AS-C-01C	51853260						
Layer: Brown Mastic			**ND**				
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (85 %)		**Asbestos (ND)**					
H-25-525AS-C-02A	51853261						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: White Non-Fibrous Material			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Grey Non-Fibrous Coating			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Comment: Bulk complex sample.		**Asbestos (ND)**					

Client Name: Element Environmental, LLC

Report Number: B371180
Date Printed: 05/13/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-525AS-C-02B	51853262						
Layer: Black Felt			**ND**				
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Grey Non-Fibrous Coating			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace) Comment: Bulk complex sample.		**Asbestos (ND)**					
H-25-525AS-C-02C	51853263						
Layer: Grey Non-Fibrous Material			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Layer: Black Tar			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components: Cellulose (55 %) Fibrous Glass (10 %) Comment: Bulk complex sample.		**Asbestos (ND)**					
H-25-525AS-C-02D	51853264						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Grey Non-Fibrous Coating			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-C-02E	51853265						
Layer: Stones			**ND**				
Layer: Black Tar			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Grey Non-Fibrous Coating			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-F-01A	51853266						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

Client Name: Element Environmental, LLC

Report Number: B371180
Date Printed: 05/13/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-525AS-F-01B	51853267						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-F-01C	51853268						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-F-02A	51853269						
Layer: Blue Tile			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-F-02B	51853270						
Layer: Blue Tile			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-F-02C	51853271						
Layer: Blue Tile			**ND**				
Layer: Yellow Mastic			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-F-03A	51853272						
Layer: Black Mastic		Chrysotile	**10 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (10%)**					
H-25-525AS-F-03B	51853273						
Layer: Black Mastic		Chrysotile	**10 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (10%)**					
H-25-525AS-F-03C	51853274						
Layer: Black Mastic		Chrysotile	**5 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (5%)**					
H-25-525AS-M-01A	51853275						
Layer: Multicolored Non-Fibrous Material			**ND**				
Layer: Yellow Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

Client Name: Element Environmental, LLC

Report Number: B371180
Date Printed: 05/13/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-525AS-M-01B	51853276						
Layer: Multicolored Non-Fibrous Material			**ND**				
Layer: Yellow Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-M-01C	51853277						
Layer: Multicolored Non-Fibrous Material			**ND**				
Layer: Yellow Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-M-02A	51853278						
Layer: Off-White Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-M-02B	51853279						
Layer: Off-White Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-M-02C	51853280						
Layer: Off-White Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-01A	51853281						
Layer: Grey Cementitious Material			**ND**				
Layer: Beige Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-01B	51853282						
Layer: Grey Cementitious Material			**ND**				
Layer: Beige Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-01C	51853283						
Layer: Black Non-Fibrous Material		Chrysotile	**5 %**				
Layer: Grey Cementitious Material			**ND**				
Layer: Beige Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					

Comment: This comment applies to the Black Non-Fibrous Material only - Insufficient material for additional analyses.

19743 Cabot Blvd., Hayward, CA 94545 | Phone: 510.887.8828 | https://www.sgs-ehsusa.com/

Client Name: Element Environmental, LLC

Report Number: B371180
Date Printed: 05/13/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-525AS-W-02A	51853284						
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Silver Paint		Chrysotile	**3 %**				
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
Comment: This comment applies to the Silver Paint only - Insufficient material for additional analyses.							
H-25-525AS-W-02B	51853285						
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Silver Paint		Chrysotile	**3 %**				
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
Comment: This comment applies to the Silver Paint only - Insufficient material for additional analyses.							
H-25-525AS-W-02C	51853286						
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Silver Paint		Chrysotile	**3 %**				
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
Comment: This comment applies to the Silver Paint only - Insufficient material for additional analyses.							
H-25-525AS-W-02D	51853287						
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Silver Paint		Chrysotile	**3 %**				
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (Trace)**					
Comment: This comment applies to the Silver Paint only - Insufficient material for additional analyses.							
H-25-525AS-W-02E	51853288						
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-03A	51853289						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

Client Name: Element Environmental, LLC

Report Number: B371180
Date Printed: 05/13/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-525AS-W-03B	51853290						
Layer: Beige Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-03C	51853291						
Layer: Beige Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-04A	51853292						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (95 %)		**Asbestos (ND)**					
H-25-525AS-W-04B	51853293						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (95 %)		**Asbestos (ND)**					
H-25-525AS-W-04C	51853294						
Layer: Tan Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (95 %)		**Asbestos (ND)**					
H-25-525AS-W-05A	51853295						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-05B	51853296						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-525AS-W-05C	51853297						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

19743 Cabot Blvd., Hayward, CA 94545 | Phone: 510.887.8828 | https://www.sgs-ehsusa.com/

Client Name: Element Environmental, LLC

Report Number: B371180
Date Printed: 05/13/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer

Maria E. Cosper

Maria Cosper, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

SGS FORENSIC LABORATORIES

Analysis Request Form (COC)

Client Name & Address: Element Environmental, LLC, 98-030 Hekaha Street, Unit 9, Aiea, Hawaii 96701
Client No.: L1617
PO / Job#: 250018
Date: 3/26/2025
Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day
☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
☒ PLM: ☒ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: Bernice Balete
Phone: (808) 389-4792
☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Dust: ☐ D5755 (microvac) / ☐ D6480 (wipe)
E-mail: bbalete@e2hi.com
Site Name: 525 Avocado Street
☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project
Site Location: Wahiawa, Oahu, Hawaii
☐ Metals Analysis Matrix: Method: Analytes:
Comments: **See attached asbestos table for sample information.**
☐ Silica in Air ☐ w/Gravimetry ☐ Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY: Type	Time On/Off	Avg LPM	Total Time	Sample Area / Air Volume
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: BDC, BB Date/Time: 3/25/2025 Shipped Via: ☒ Fed Ex ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Bernice Balete
Date / Time: 4/21/2025 @ 1000
Received By: Cicero Lagaro
Date / Time: 04/22/25 10:00 AM
Condition Acceptable? ☐ Yes ☐ No

Relinquished By: Nicole Adams
Date / Time: 4/22/25 3pm HI
Received By: FX IUCW
Date / Time: 5/8/25
Condition Acceptable? ☐ Yes ☐ No

Relinquished By:
Date / Time:
Received By:
Date / Time:
Condition Acceptable? ☐ Yes ☐ No

SGS Forensic Laboratories may subcontract client samples to other SGSFL locations to meet client requests.
San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274
Los Angeles Office: 20535 South Belshaw Ave., Carson, CA 90746 • Phone: 310/763-2374 • 888/813-9417
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/7840040
Chicago Office: 3020 Woodcreek Drive, Suite C, Downers Grove, IL 60515 • Phone: 341/465-2464

250018 002. 525

COC Asbestos Table

COC

Sample ID	Sample Date	Sample Location	Sample Description
H-25-525AS-C-01A	3/25/2025	Interior	Acoustic Ceiling Tile (1'x2' white-painted brown with pegholes) & Mastic (brown)
H-25-525AS-C-01B	3/25/2025	Interior	Acoustic Ceiling Tile (1'x2' white-painted brown with pegholes) & Mastic (brown)
H-25-525AS-C-01C	3/25/2025	Interior	Acoustic Ceiling Tile (1'x2' white-painted brown with pegholes) & Mastic (brown)
H-25-525AS-C-02A	3/25/2025	Interior	Roof Coating (white) & Tar Paper (black)
H-25-525AS-C-02B	3/25/2025	Interior	Roof Coating (white) & Tar Paper (black)
H-25-525AS-C-02C	3/25/2025	Exterior	Roof Coating (white) & Tar Paper (black) (debris pile)
H-25-525AS-C-02D	3/25/2025	Exterior	Roof Coating (white) & Tar Paper (black) (debris pile)
H-25-525AS-C-02E	3/25/2025	Exterior	Roof Coating (white) & Tar Paper (black) (debris pile)
H-25-525AS-F-01A	3/25/2025	Exterior	Concrete Floor/Foundation
H-25-525AS-F-01B	3/25/2025	Exterior	Concrete Floor/Foundation
H-25-525AS-F-01C	3/25/2025	Interior	Concrete Floor/Foundation
H-25-525AS-F-02A	3/25/2025	Interior	Vinyl Floor Tile/Mastic (blue/yellow)
H-25-525AS-F-02B	3/25/2025	Interior	Vinyl Floor Tile/Mastic (blue/yellow)
H-25-525AS-F-02C	3/25/2025	Interior	Vinyl Floor Tile/Mastic (blue/yellow)
H-25-525AS-F-03A	3/25/2025	Interior	Floor Mastic remnants (black)
H-25-525AS-F-03B	3/25/2025	Interior	Floor Mastic remnants (black)
H-25-525AS-F-03C	3/25/2025	Interior	Floor Mastic remnants (black)
H-25-525AS-M-01A	3/25/2025	Interior	Floor Mastic remnants (yellow)
H-25-525AS-M-01B	3/25/2025	Interior	Floor Mastic remnants (yellow)
H-25-525AS-M-01C	3/25/2025	Interior	Floor Mastic remnants (yellow)
H-25-525AS-M-02A	3/25/2025	Exterior	Window Caulking (white)
H-25-525AS-M-02B	3/25/2025	Exterior	Window Caulking (white)
H-25-525AS-M-02C	3/25/2025	Exterior	Window Caulking (white)
H-25-525AS-W-01A	3/25/2025	Exterior	CMU Block Wall/Grout
H-25-525AS-W-01B	3/25/2025	Exterior	CMU Block Wall/Grout
H-25-525AS-W-01C	3/25/2025	Exterior	CMU Block Wall/Grout
H-25-525AS-W-02A	3/25/2025	Exterior	Textured Wall Surfacing (off-white, smooth)
H-25-525AS-W-02B	3/25/2025	Exterior	Textured Wall Surfacing (off-white, smooth)
H-25-525AS-W-02C	3/25/2025	Exterior	Textured Wall Surfacing (off-white, smooth)
H-25-525AS-W-02D	3/25/2025	Exterior	Textured Wall Surfacing (off-white, smooth)
H-25-525AS-W-02E	3/25/2025	Exterior	Textured Wall Surfacing (off-white, smooth)
H-25-525AS-W-03A	3/25/2025	Exterior	Brick Wall/Grout (9"X40" gray/gray)
H-25-525AS-W-03B	3/25/2025	Exterior	Brick Wall/Grout (9"X40" gray/gray)
H-25-525AS-W-03C	3/25/2025	Interior	Brick Wall/Grout (9"X40" gray/gray)
H-25-525AS-W-04A	3/25/2025	Interior	Fiberboard Wall (white-painted tan with pegholes)
H-25-525AS-W-04B	3/25/2025	Interior	Fiberboard Wall (white-painted tan with pegholes)
H-25-525AS-W-04C	3/25/2025	Interior	Fiberboard Wall (white-painted tan with pegholes)
H-25-525AS-W-05A	3/25/2025	Exterior	CMU Block Wall/Grout (Property Retaining Wall)
H-25-525AS-W-05B	3/25/2025	Exterior	CMU Block Wall/Grout (Property Retaining Wall)
H-25-525AS-W-05C	3/25/2025	Exterior	CMU Block Wall/Grout (Property Retaining Wall)

RECEIVED
MAY 0 8 2025
BY: FX Juan

RECEIVED
APR 2 2 2025
BY: [illegible]

Page 1

SGS

Final Report

Metals Analysis of Paints

(AIHA-LAP, LLC Accreditation, Lab ID #101762)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M268206
Date Received: 04/22/25
Date Analyzed: 05/01/25
Date Printed: 05/06/25
First Reported: 05/06/25

Job ID / Site: 250018; 525 Avocado Street; Wahiawa, Oahu, Hawaii
Date(s) Collected: 03/25/2025

SGSFL Job ID: L1617
Total Samples Submitted: 15
Total Samples Analyzed: 15

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
525AS-P01	LM286888	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
525AS-P02	LM286889	Pb	0.6	wt%	0.2	EPA 3050B/7000B
525AS-P03	LM286890	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
525AS-P04	LM286891	Pb	0.011	wt%	0.006	EPA 3050B/7000B
525AS-P05	LM286892	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
525AS-P06	LM286893	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
525AS-P07	LM286894	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
525AS-P08	LM286895	Pb	0.086	wt%	0.006	EPA 3050B/7000B
525AS-P09	LM286896	Pb	0.008	wt%	0.006	EPA 3050B/7000B
525AS-P10	LM286897	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
525AS-P11	LM286898	Pb	0.11	wt%	0.006	EPA 3050B/7000B
525AS-P12	LM286899	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
525AS-P13	LM286900	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
525AS-P14	LM286901	Pb	0.066	wt%	0.006	EPA 3050B/7000B
525AS-P15	LM286902	Pb	0.012	wt%	0.007	EPA 3050B/7000B

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Kevin Poon

Kevin Poon, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by SGS at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGS to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGS. The client is solely responsible for the use and interpretation of test results and reports requested from SGS. SGS is not able to assess the degree of hazard resulting from materials analyzed. SGS reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in SGS Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.
Note* Sampling data used in this report was provided by the client as noted on the associated chain of custody form.

19743 Cabot Blvd., Hayward, CA 94545 | Phone: 510.887.8828 | https://www.sgs-ehsusa.com/

Sample ID	Sample Date	Sample Location	Sample Description
525AS-P01	3/25/2025	Exterior	Off-white Lower Plaster Wall
525AS-P02	3/25/2025	Exterior	White Upper Plaster Wall
525AS-P03	3/25/2025	Exterior	Gray Brick Wall
525AS-P04	3/25/2025	Exterior	Off-white Brick Wall
525AS-P05	3/25/2025	Exterior	White Brick Wall
525AS-P06	3/25/2025	Exterior	Gray Wood Wall
525AS-P07	3/25/2025	Exterior	Off-white Wood Wall
525AS-P08	3/25/2025	Interior	Gray Plaster Wall
525AS-P09	3/25/2025	Interior	Beige Plaster Wall
525AS-P10	3/25/2025	Interior	Blue Plaster Wall
525AS-P11	3/25/2025	Interior	Beige Plaster Wall
525AS-P12	3/25/2025	Interior	Beige Brick Wall
525AS-P13	3/25/2025	Interior	White Gypsum Wall (detached)
525AS-P14	3/25/2025	Interior	Blue Plaster Wall
525AS-P15	3/25/2025	Interior	Red Concrete Floor

RECEIVED
APR 2 2 2025
BY: 12:00 PM

Reg' signed
04/22/25 12:00 PM

RECEIVED
Fx8526
APR 2 3 2025
BY: 9:30

APPENDIX B
535 Avocado Street

Laboratory Asbestos Results

535 Avocado Street
Wahiawa, Oahu, Hawaii

Hazardous Materials Survey Report
Survey Date: March 25, 2025

Homogeneous Area	Material Type	Material Description	Friable	Condition	Sample ID	Sample Location	Layer (% of Combined Sample)	Asbestos %
H-25-535AS-C-01	Surfacing	Plaster Ceiling (tan)	NF	Intact	H-25-535AS-C-01A	Exterior	1 Grey Plaster (85%)	ND
							2 White Plaster (10%)	ND
							3 Paint (5%)	ND
					H-25-535AS-C-01B		1 Grey Plaster (95%)	ND
							2 Paint (5%)	ND
					H-25-535AS-C-01C		1 Grey Plaster (100%)	ND
H-25-535AS-F-01	Miscellaneous	Concrete Floor/Foundation	NF	Intact	H-25-535AS-F-01A	Exterior	1 Grey Cementitious Material (100%)	ND
					H-25-535AS-F-01B	Interior	1 Grey Cementitious Material (100%)	ND
					H-25-535AS-F-01C	Interior	1 Grey Cementitious Material (95%)	ND
							2 Grey Cementitious Material (5%)	ND
H-25-535AS-W-01	Miscellaneous	CMU Block Wall/Grout	NF	Intact	H-25-535AS-W-01A	Exterior	1 Grey Cementitious Material (100%)	ND
					H-25-535AS-W-01B	Interior	1 Grey Cementitious Material (84%)	ND
							2 Grey Cementitious Material (15%)	ND
							3 Paint (1%)	ND
					H-25-535AS-W-01C	Exterior	1 Grey Cementitious Material (85%)	ND
							2 Grey Cementitious Material (15%)	ND
H-25-535AS-W-02	**Surfacing**	**Textured Wall Surfacing (gray, medium) and Sealant Paper (black, observed around windows)**	**NF**	**Intact**	**H-25-535AS-W-02A**	**Exterior**	1 Grey Cementitious Material (70%)	ND
							2 Grey Cementitious Material (15%)	ND
							3 Black Felt (15%)	**35% Chrysotile**
					H-25-535AS-W-02B		1 Grey Cementitious Material (70%)	ND
							2 Grey Cementitious Material (15%)	ND
							3 Black Felt (15%)	ND
					H-25-535AS-W-02C		1 Grey Cementitious Material (70%)	ND
							2 Grey Cementitious Material (15%)	ND
							3 Black Felt (15%)	ND
H-25-535AS-W-03	Surfacing	Plaster Walls (tan)	NF	Intact	H-25-535AS-W-03A	Exterior	1 Grey Cementitious Material (95%)	ND
							2 Paint (5%)	ND
					H-25-535AS-W-03B	Exterior	1 Grey Cementitious Material (100%)	ND
					H-25-535AS-W-03C	Interior	1 White Cementitious Material (95%)	ND
							2 Paint (5%)	ND
H-25-535AS-W-04	Surfacing	Textured Wall Surfacing (green, fine) and Mastic (brown)	NF	Significantly Damaged	H-25-535AS-W-04A	Exterior	1 Brown Mastic (70%)	ND
							2 Green Non-Fibrous Material (10%)	ND
							3 Beige Non-Fibrous Material (15%)	ND
							4 Paint (5%)	ND
					H-25-535AS-W-04B		1 Brown Mastic (70%)	ND
							2 Green Non-Fibrous Material (10%)	ND
							3 Beige Non-Fibrous Material (15%)	ND
							4 Paint (5%)	ND
					H-25-535AS-W-04C		1 Brown Mastic (70%)	ND
							2 Green Non-Fibrous Material (10%)	ND
							3 Beige Non-Fibrous Material (15%)	ND
							4 Paint (5%)	ND
H-25-535AS-W-05	**Miscellaneous**	**Roofing & Tar Paper (black) on Makeshift Wood Plank Walls**	**Friable**	**Significantly Damaged**	H-25-535AS-W-05A	Exterior	1 Black Semi-Fibrous Material (100%)	ND
					H-25-535AS-W-05B		**1 Black Semi-Fibrous Material (100%)**	**25% Chrysotile**
					H-25-535AS-W-05C		1 Black Semi-Fibrous Material (100%)	ND

Laboratory Asbestos Results

535 Avocado Street
Wahiawa, Oahu, Hawaii

Hazardous Materials Survey Report
Survey Date: March 25, 2025

Homogeneous Area	Material Type	Material Description	Friable	Condition	Sample ID	Sample Location	Layer (% of Combined Sample)	Asbestos %
H-25-535AS-M-01	Miscellaneous	Window Caulking (white)	NF	Significantly Damaged	H-25-535AS-M-01A	Exterior	1 Grey Cementitious Material (95%)	ND
							2 Grey Non-Fibrous Material (5%)	ND
					H-25-535AS-M-01B		1 Grey Non-Fibrous Material (93%)	ND
							2 Paint (5%)	ND
							3 Grey Non-Fibrous Material (2%)	ND
					H-25-535AS-M-01C		1 Grey Non-Fibrous Material (95%)	ND
							2 Paint (5%)	ND
H-25-535AS-AT-01	Miscellaneous	Fire-rated Door/Door Frame	NF	Intact	H-25-535AS-AT-01	Main Entrance	N/A	>1% Assumed

Laboratory Lead Results

535 Avocado Street
Wahiawa, Oahu, Hawaii

Hazardous Materials Survey Report
Survey Date: March 25, 2025

Sample ID	Sample Description	Sample Location	Condition	Lead %
535AS-P01	Gray CMU Block Wall	Exterior	Intact	0.28
535AS-P02	**Beige CMU Block Wall**	**Exterior**	**Intact**	**1.9**
535AS-P03	**White Metal Ceiling Beam**	**Exterior**	**Fair**	**0.8**
535AS-P04	**White CMU Block Wall**	**Exterior**	**Intact (rust)**	**5.4**
535AS-P05	Gray CMU Block Wall	Interior	Intact	0.043
535AS-P06	Gray Lower Wall Surfacing	Interior	Intact	0.021
535AS-P07	White CMU Block Wall	Interior	Intact	0.29
535AS-P08	**Green Wall Surfacing (possible old roof plank)**	**Exterior**	**Intact**	**1.0**

ND < RL = Lead not detected above Laboratory Reporting Limit (RL)
LCP = Lead-containing paint > Laboratory RL and < 0.5 wt% or 5,000 mg/kg
LBP = Lead-based paint ≥ 0.5 wt% or 5,000 mg/kg

TRUE NORTH
SCALE: 1" = 10'

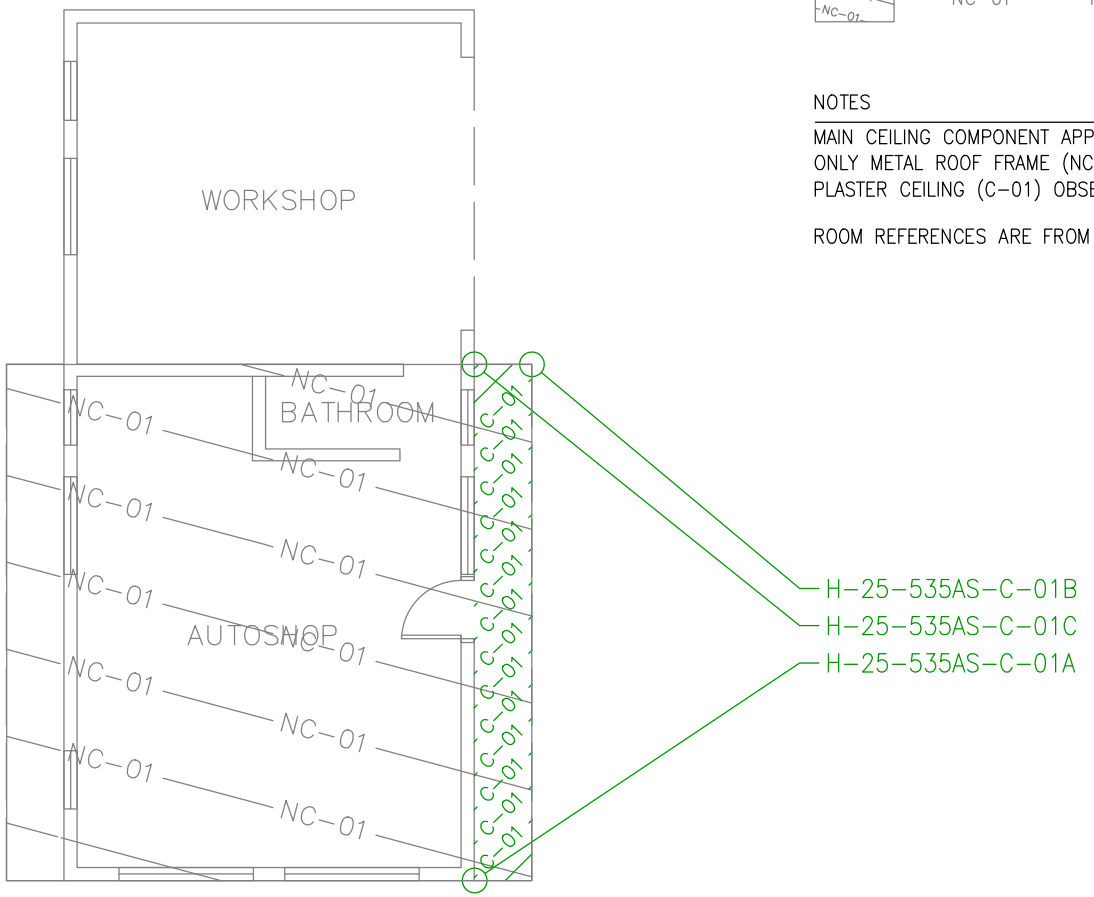
CEILING HOMOGENEOUS AREAS

C-01	C-01	PLASTER CEILING (TAN)
NC-01	NC-01	METAL ROOF FRAME

NOTES

MAIN CEILING COMPONENT APPEARED TO HAVE COLLAPSED;
ONLY METAL ROOF FRAME (NC-01) REMAINED.
PLASTER CEILING (C-01) OBSERVED ONLY ALONG WESTERN AWNING.

ROOM REFERENCES ARE FROM APRIL 30, 2021 DRAWINGS.



SAMPLE LOCATIONS

○ NEGATIVE ASBESTOS

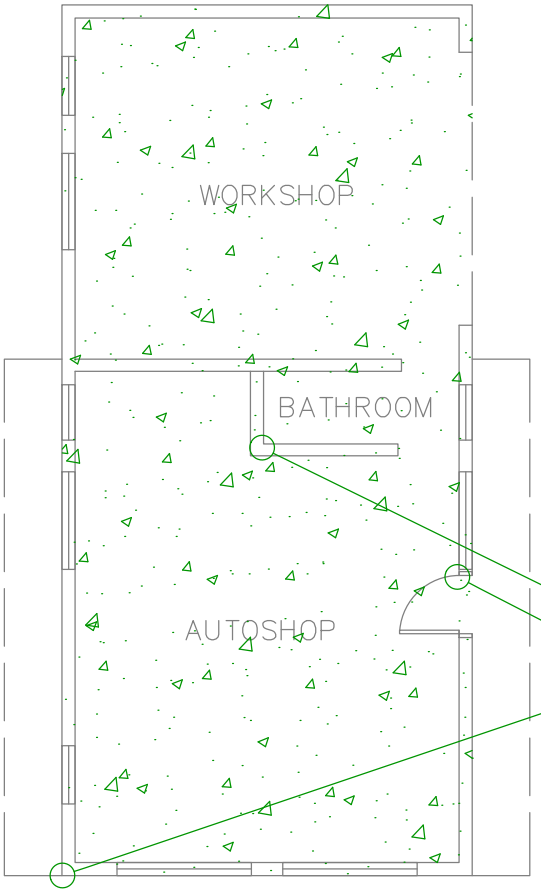
10' 5' 0 10' 20'
SCALE: 1" = 10'

	SURVEY DATE: MARCH 25, 2025	PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION WAHIAWA, OAHU, HAWAII
	FIGURE TITLE: 535 AVOCADO STREET, ASBESTOS CEILING SAMPLE RESULTS AND APPROXIMATE LOCATIONS	FIGURE NO.: B-1

TRUE NORTH
SCALE: 1"=10'

FLOOR HOMOGENEOUS AREA

F-01 CONCRETE FLOOR/FOUNDATION



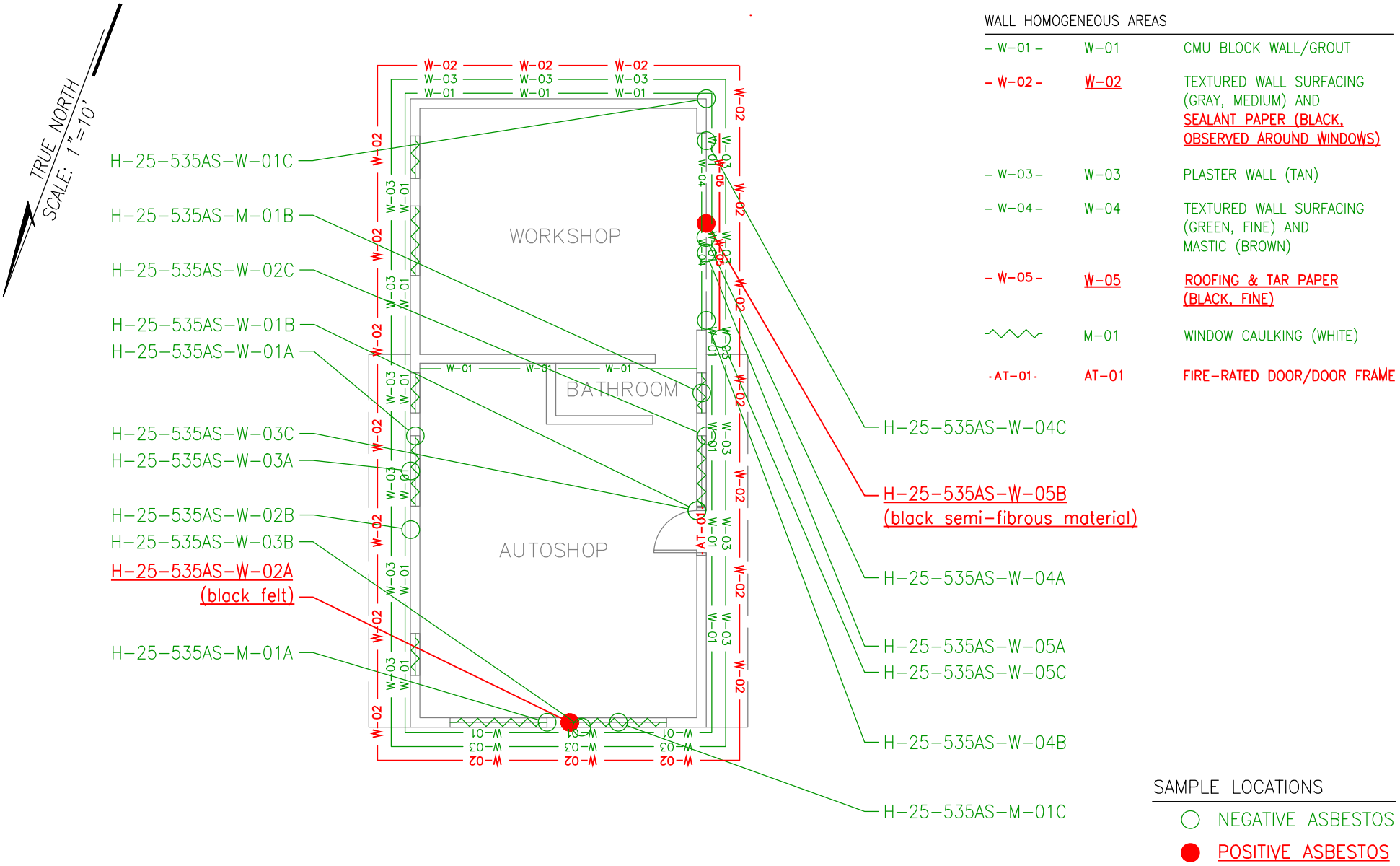
H-25-535AS-F-01C
H-25-535AS-F-01B
H-25-535AS-F-01A

SAMPLE LOCATIONS

○ NEGATIVE ASBESTOS

10' 5' 0 10' 20'
SCALE: 1" = 10'

	SURVEY DATE: MARCH 25, 2025	PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION WAHIAWA, OAHU, HAWAII
	FIGURE TITLE: 535 AVOCADO STREET, ASBESTOS FLOOR SAMPLE RESULTS AND APPROXIMATE LOCATIONS	FIGURE NO.: B-2



WALL HOMOGENEOUS AREAS

– W-01 –	W-01	CMU BLOCK WALL/GROUT
– W-02 –	W-02	TEXTURED WALL SURFACING (GRAY, MEDIUM) AND SEALANT PAPER (BLACK, OBSERVED AROUND WINDOWS)
– W-03 –	W-03	PLASTER WALL (TAN)
– W-04 –	W-04	TEXTURED WALL SURFACING (GREEN, FINE) AND MASTIC (BROWN)
– W-05 –	W-05	ROOFING & TAR PAPER (BLACK, FINE)
~~	M-01	WINDOW CAULKING (WHITE)
·AT-01·	AT-01	FIRE-RATED DOOR/DOOR FRAME

SAMPLE LOCATIONS

○ NEGATIVE ASBESTOS

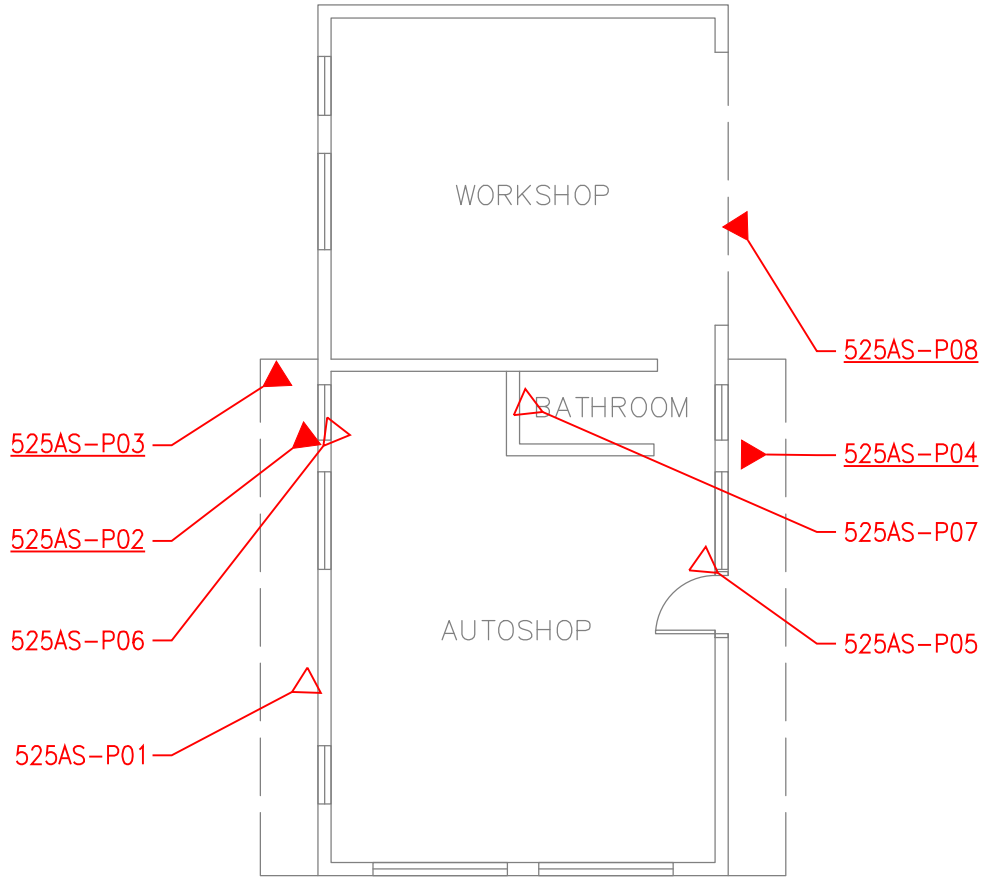
● POSITIVE ASBESTOS

10' 5' 0 10' 20'

SCALE: 1" = 10'

	SURVEY DATE: MARCH 25, 2025	PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION WAHIAWA, OAHU, HAWAII
	FIGURE TITLE: 535 AVOCADO STREET, ASBESTOS WALL SAMPLE RESULTS AND APPROXIMATE LOCATIONS	FIGURE NO.: B-3

TRUE NORTH
SCALE: 1"=10'



PAINT SAMPLES

P01	GRAY CMU BLOCK WALL
P02	BEIGE CMU BLOCK WALL
P03	WHITE METAL CEILING BEAM
P04	WHITE CMU BLOCK WALL
P05	GRAY CMU BLOCK WALL
P06	GRAY LOWER WALL SURFACING
P07	WHITE CMU BLOCK WALL
P08	GREEN WALL SURFACING

SAMPLE LOCATIONS

△ LEAD-CONTAINING PAINT

▲ LEAD-BASED PAINT

10' 5' 0 10' 20'
SCALE: 1" = 10'

SURVEY DATE: MARCH 25, 2025

PROJECT TITLE: DLNR DOCARE WAHIAWA SUBSTATION
WAHIAWA, OAHU, HAWAII

FIGURE TITLE: 535 AVOCADO STREET,
LEAD PAINT CHIP SAMPLE RESULTS
AND APPROXIMATE LOCATIONS

FIGURE NO.: B-4

535 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 1 - H-25-535AS-C-01A (Close-Up)
[BDC\BDC01674.JPG]

Photo 2 - H-25-535AS-C-01A (Panoramic)
[BDC\BDC01675.JPG]

Photo 3 - H-25-535AS-C-01B (Close-Up)
[BDC\BDC01676.JPG]

Photo 4 - H-25-535AS-C-01B (Panoramic)
[BDC\BDC01677.JPG]

Photo 5 - H-25-535AS-C-01C (Close-Up)
[BDC\BDC01678.JPG]

Photo 6 - H-25-535AS-C-01C (Panoramic)
[BDC\BDC01679.JPG]

Photo 7 - H-25-535AS-F-01A (Close-Up)
[BDC\BDC01659.JPG]

Photo 8 - H-25-535AS-F-01A (Panoramic)
[BDC\BDC01660.JPG]

Photo 9 - H-25-535AS-F-01B (Close-Up)
[BDC\BDC01661.JPG]

Photo 10 - H-25-535AS-F-01B (Panoramic)
[BDC\BDC01662.JPG]

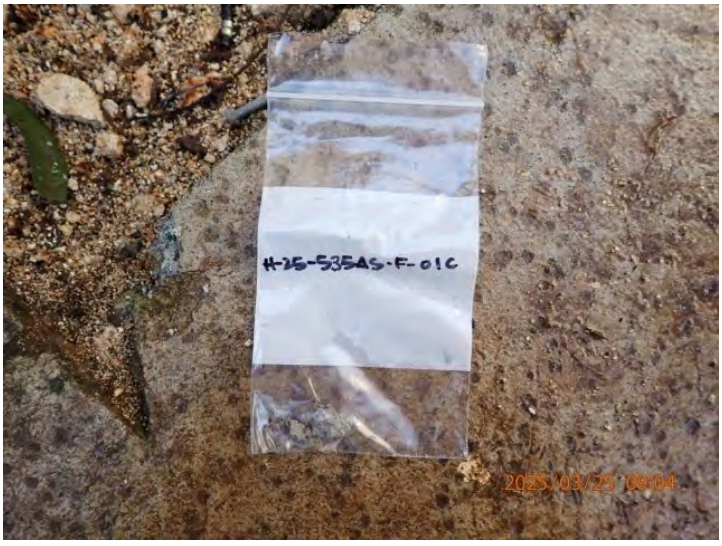


Photo 11 - H-25-535AS-F-01C (Close-Up)
[BDC\BDC01663.JPG]

Photo 12 - H-25-535AS-F-01C (Panoramic)
[BDC\BDC01665.JPG]

535 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 13 - H-25-535AS-W-01A (Close-Up)
[BDC\BDC01652.JPG]

Photo 14 - H-25-535AS-W-01A (Panoramic)
[BDC\BDC01653.JPG]

Photo 15 - H-25-535AS-W-01B (Close-Up)
[BDC\BDC01654.JPG]

Photo 16 - H-25-535AS-W-01B (Panoramic)
[BDC\BDC01656.JPG]

Photo 17 - H-25-535AS-W-01C (Close-Up)
[BDC\BDC01657.JPG]

Photo 18 - H-25-535AS-W-01C (Panoramic)
[BDC\BDC01658.JPG]

Photo 19 - H-25-535AS-W-02A (Close-Up)
[BB\DSCN4611.JPG]

Photo 20 - H-25-535AS-W-02A (Panoramic)
[BB\DSCN4612.JPG]

Photo 21 - H-25-535AS-W-02B (Close-Up)
[BDC\BDC01689.JPG]

Photo 22 - H-25-535AS-W-02B (Panoramic)
[BDC\BDC01690.JPG]

Photo 23 - H-25-535AS-W-02C (Close-Up)
[BB\DSCN4599.JPG]

Photo 24 - H-25-535AS-W-02C (Panoramic)
[BB\DSCN4600.JPG]

Photo 25 - H-25-535AS-W-03A (Close-Up)
[BDC\BDC01666.JPG]

Photo 26 - H-25-535AS-W-03A (Panoramic)
[BDC\BDC01667.JPG]

Photo 27 - H-25-535AS-W-03B (Close-Up)
[BDC\BDC01669.JPG]

Photo 28 - H-25-535AS-W-03B (Panoramic)
[BDC\BDC01670.JPG]

Photo 29 - H-25-535AS-W-03C (Close-Up)
[BDC\BDC01671.JPG]

Photo 30 - H-25-535AS-W-03C (Panoramic)
[BDC\BDC01672.JPG]

Photo 31 - H-25-535AS-W-04A (Close-Up)
[BB\DSCN4585.JPG]

Photo 32 - H-25-535AS-W-04ABC (Panoramic)
[BB\DSCN4587.JPG]

Photo 33 - H-25-535AS-W-04B (Close-Up)
[BB\DSCN4588.JPG]

Photo 34 - H-25-535AS-W-04C (Close-Up)
[BB\DSCN4589.JPG]

Photo 35 - H-25-535AS-W-05A (Close-Up)
[BB\DSCN4590.JPG]

Photo 36 - H-25-535AS-W-05ABC (Panoramic)
[BB\DSCN4593.JPG]

Photo 37 - H-25-535AS-W-05B (Close-Up)
[BB\DSCN4591.JPG]

Photo 38 - H-25-535AS-W-05C (Close-Up)
[BB\DSCN4592.JPG]

Photo 39 - H-25-535AS-M-01A (Close-Up)
[BB\DSCN4601.JPG]

Photo 40 - H-25-535AS-M-01A (Panoramic)
[BB\DSCN4602.JPG]

Photo 41 - H-25-535AS-M-01B (Close-Up)
[BB\DSCN4603.JPG]

Photo 42 - H-25-535AS-M-01B (Panoramic)
[BB\DSCN4604.JPG]

Photo 43 - H-25-535AS-M-01C (Close-Up)
[BB\DSCN4605.JPG]

Photo 44 - H-25-535AS-M-01C (Panoramic)
[BB\DSCN4606.JPG]

535 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 45 - H-25-535AS-AT-01 (Close-Up)
[BDC\BDC01680.JPG]

Photo 46 - H-25-535AS-AT-01 (Panoramic)
[BDC\BDC01681.JPG]

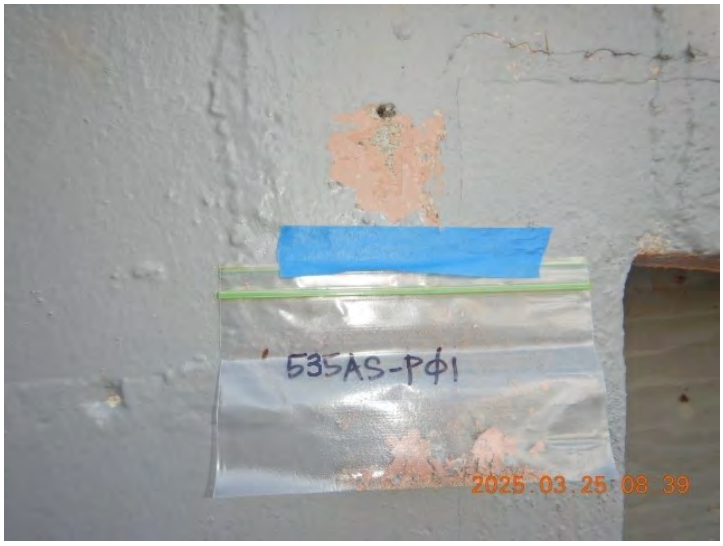


Photo 47 - 535AS-P01 (Close-Up)
[BB\DSCN4569.JPG]

Photo 48 - 535AS-P01 (Panoramic)
[BB\DSCN4570.JPG]

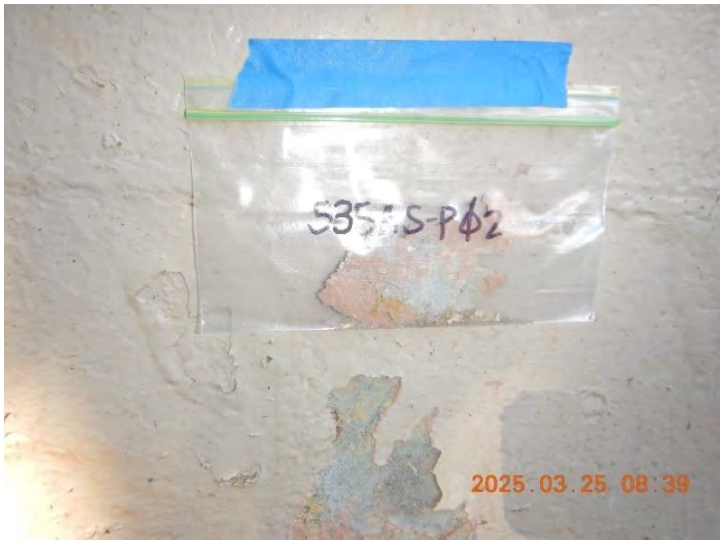


Photo 49 - 535AS-P02 (Close-Up)
[BB\DSCN4571.JPG]

Photo 50 - 535AS-P02 (Panoramic)
[BB\DSCN4572.JPG]

Photo 51 - 535AS-P03 (Close-Up)
[BB\DSCN4573.JPG]

Photo 52 - 535AS-P03 (Panoramic)
[BB\DSCN4574.JPG]

535 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 53 - 535AS-P04 (Close-Up)
[BB\DSCN4575.JPG]

Photo 54 - 535AS-P04 (Panoramic)
[BB\DSCN4576.JPG]

Photo 55 - 535AS-P05 (Close-Up)
[BB\DSCN4579.JPG]

Photo 56 - 535AS-P05 (Panoramic)
[BB\DSCN4580.JPG]

Photo 57 - 535AS-P06 (Close-Up)
[BB\DSCN4581.JPG]

Photo 58 - 535AS-P06 (Panoramic)
[BB\DSCN4582.JPG]

535 AVOCADO STREET, WAHIAWA
(March 25, 2025)

Photo 59 - 535AS-P07 (Close-Up)
[BB\DSCN4583.JPG]

Photo 60 - 535AS-P07 (Panoramic)
[BB\DSCN4584.JPG]

Photo 61 - 535AS-P08 (Close-Up)
[BB\DSCN4577.JPG]

Photo 62 - 535AS-P08 (Panoramic)
[BB\DSCN4578.JPG]

Final Report

Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-0

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: B371178
Date Received: 04/22/25
Date Analyzed: 05/12/25
Date Printed: 05/12/25
First Reported: 05/12/25

Job ID/Site: 250018; 535 Avocado Street; Wahiawa, Oahu, Hawaii

SGSFL Job ID: L1617
Total Samples Submitted: 24
Total Samples Analyzed: 24

Date(s) Collected: 03/25/2025

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-535AS-C-01A	51853234						
Layer: Grey Plaster			**ND**				
Layer: White Plaster			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-C-01B	51853235						
Layer: Grey Plaster			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-C-01C	51853236						
Layer: Grey Plaster			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-F-01A	51853237						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-F-01B	51853238						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-F-01C	51853239						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-M-01A	51853240						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-535AS-M-01B	51853241						
Layer: Grey Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Layer: Grey Non-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-M-01C	51853242						
Layer: Grey Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-01A	51853243						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-01B	51853244						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-01C	51853245						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-02A	51853246						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Black Felt		Chrysotile	**35 %**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (5%)**					
H-25-535AS-W-02B	51853247						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					
H-25-535AS-W-02C	51853248						
Layer: Grey Cementitious Material			**ND**				
Layer: Grey Cementitious Material			**ND**				
Layer: Black Felt			**ND**				
Total Composite Values of Fibrous Components: Cellulose (20 %)		**Asbestos (ND)**					

Client Name: Element Environmental, LLC

Report Number: B371178
Date Printed: 05/12/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-535AS-W-03A	51853249						
Layer: Grey Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-03B	51853250						
Layer: Grey Cementitious Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-03C	51853251						
Layer: White Cementitious Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-04A	51853252						
Layer: Brown Mastic			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-04B	51853253						
Layer: Brown Mastic			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-04C	51853254						
Layer: Brown Mastic			**ND**				
Layer: Green Non-Fibrous Material			**ND**				
Layer: Beige Non-Fibrous Material			**ND**				
Layer: Paint			**ND**				
Total Composite Values of Fibrous Components: Cellulose (Trace)		**Asbestos (ND)**					
H-25-535AS-W-05A	51853255						
Layer: Black Semi-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (15 %)		**Asbestos (ND)**					
H-25-535AS-W-05B	51853256						
Layer: Black Semi-Fibrous Material		Chrysotile	**25 %**				
Total Composite Values of Fibrous Components: Cellulose (5 %)		**Asbestos (25%)**					

Client Name: Element Environmental, LLC

Report Number: B371178
Date Printed: 05/12/25

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
H-25-535AS-W-05C	51853257						
Layer: Black Semi-Fibrous Material			**ND**				
Total Composite Values of Fibrous Components: Cellulose (15 %)		**Asbestos (ND)**					

Maria Cosper, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

19743 Cabot Blvd., Hayward, CA 94545 | Phone: 510.887.8828 | https://www.sgs-ehsusa.com/

SGS FORENSIC LABORATORIES

Analysis Request Form (COC)

Client Name & Address: Element Environmental, LLC 98-030 Hekaha Street, Unit 9 Aiea, Hawaii 96701	Client No.: L1617
PO / Job#: 250018	Date: 3/26/2025
Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day	
☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer	
☒ PLM: ☒ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435	
Contact: Bernice Balete	Phone: (808) 389-4792
☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Dust: ☐ D5755 (microvac) / ☐ D6480 (wipe)	
E-mail: bbalete@e2hi.com	
Site Name: 535 Avocado Street	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site Location: Wahiawa, Oahu, Hawaii	☐ Metals Analysis Matrix: Method: Analytes:
Comments: **See attached asbestos table for sample information.**	☐ Silica in Air ☐ w/Gravimetry ☐ Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg LPM	Total Time	
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: BDC, BB Date/Time: 3/25/2025 Shipped Via: ☒ Fed Ex ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Bernice Balete	Relinquished By: Nicole Adams	Relinquished By:
Date / Time: 4/21/2025 @ 1000	Date / Time: 5/7/25 sample	Date / Time:
Received By: Crystal Lorano	Received By: FX 10am	Received By:
Date / Time: 04/22/25 10:00 PT	Date / Time: 5/8/25	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

Sample ID	Sample Date	Sample Location	Sample Description
H-25-535AS-C-01A	3/25/2025	Exterior	Plaster Ceiling (tan)
H-25-535AS-C-01B	3/25/2025	Exterior	Plaster Ceiling (tan)
H-25-535AS-C-01C	3/25/2025	Exterior	Plaster Ceiling (tan)
H-25-535AS-F-01A	3/25/2025	Exterior	Concrete Floor/Foundation
H-25-535AS-F-01B	3/25/2025	Interior	Concrete Floor/Foundation
H-25-535AS-F-01C	3/25/2025	Interior	Concrete Floor/Foundation
H-25-535AS-M-01A	3/25/2025	Exterior	Window Caulking (white)
H-25-535AS-M-01B	3/25/2025	Exterior	Window Caulking (white)
H-25-535AS-M-01C	3/25/2025	Exterior	Window Caulking (white)
H-25-535AS-W-01A	3/25/2025	Exterior	CMU Block Wall/Grout
H-25-535AS-W-01B	3/25/2025	Interior	CMU Block Wall/Grout
H-25-535AS-W-01C	3/25/2025	Exterior	CMU Block Wall/Grout
H-25-535AS-W-02A	3/25/2025	Exterior	Textured Wall Surfacing (gray, medium) and Sealant Paper (black) observed around windows
H-25-535AS-W-02B	3/25/2025	Exterior	Textured Wall Surfacing (gray, medium) and Sealant Paper (black) observed around windows
H-25-535AS-W-02C	3/25/2025	Exterior	Textured Wall Surfacing (gray, medium) and Sealant Paper (black) observed around windows
H-25-535AS-W-03A	3/25/2025	Exterior	Plaster Wall (tan)
H-25-535AS-W-03B	3/25/2025	Exterior	Plaster Wall (tan)
H-25-535AS-W-03C	3/25/2025	Interior	Plaster Wall (tan)
H-25-535AS-W-04A	3/25/2025	Exterior	Textured Wall Surfacing (green, fine) and Mastic (brown) (old ceiling plank)
H-25-535AS-W-04B	3/25/2025	Exterior	Textured Wall Surfacing (green, fine) and Mastic (brown) (old ceiling plank)
H-25-535AS-W-04C	3/25/2025	Exterior	Textured Wall Surfacing (green, fine) and Mastic (brown) (old ceiling plank)
H-25-535AS-W-05A	3/25/2025	Exterior	Roofing & Tar Paper (black) on old Wood Roof Plank
H-25-535AS-W-05B	3/25/2025	Exterior	Roofing & Tar Paper (black) on old Wood Roof Plank
H-25-535AS-W-05C	3/25/2025	Exterior	Roofing & Tar Paper (black) on old Wood Roof Plank

RECEIVED
APR 2 2 2025
BY:

RECEIVED
MAY 0 8 2025
FX
10am

Final Report

Metals Analysis of Paints

(AIHA-LAP, LLC Accreditation, Lab ID #101762)

Element Environmental, LLC
Bernice Balete
98-030 Hekaha Street
Unit 9
Aiea, HI 96701

Client ID: L1617
Report Number: M268207
Date Received: 04/22/25
Date Analyzed: 05/01/25
Date Printed: 05/06/25
First Reported: 05/06/25

Job ID / Site: 250018; 535 Avocado Street; Wahiawa, Oahu, Hawaii
Date(s) Collected: 03/25/2025

SGSFL Job ID: L1617
Total Samples Submitted: 8
Total Samples Analyzed: 8

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
535AS-P01	LM286903	Pb	0.28	wt%	0.02	EPA 3050B/7000B
535AS-P02	LM286904	Pb	1.9	wt%	0.2	EPA 3050B/7000B
535AS-P03	LM286905	Pb	0.8	wt%	0.2	EPA 3050B/7000B
535AS-P04	LM286906	Pb	5.4	wt%	0.3	EPA 3050B/7000B
535AS-P05	LM286907	Pb	0.043	wt%	0.007	EPA 3050B/7000B
535AS-P06	LM286908	Pb	0.021	wt%	0.006	EPA 3050B/7000B
535AS-P07	LM286909	Pb	0.29	wt%	0.02	EPA 3050B/7000B
535AS-P08	LM286910	Pb	1.0	wt%	0.2	EPA 3050B/7000B

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Kevin Poon

Kevin Poon, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by SGS at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGS to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGS. The client is solely responsible for the use and interpretation of test results and reports requested from SGS. SGS is not able to assess the degree of hazard resulting from materials analyzed. SGS reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in SGS Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.
Note* Sampling data used in this report was provided by the client as noted on the associated chain of custody form.

19743 Cabot Blvd., Hayward, CA 94545 | Phone: 510.887.8828 | https://www.sgs-ehsusa.com/

SGS FORENSIC LABORATORIES

Analysis Request Form (COC)

Client Name & Address: Element Environmental, LLC, 98-030 Hekaha Street, Unit 9, Aiea, Hawaii 96701
Client No.: L1617
PO / Job#: 250018
Date: 3/26/2025
Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day (5Day checked)
☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
☐ PLM: ☐ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Dust: ☐ D5755 (microvac) / ☐ D6480 (wipe)
Contact: Bernice Balete
Phone: (808) 389-4792
E-mail: bbalete@e2hi.com
Site Name: 535 Avocado Street
Site Location: Wahiawa, Oahu, Hawaii
☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project
☒ Metals Analysis Matrix: Paint Chips Method: 3050B/7000B
Analytes: Total Lead
Comments: Page 1 of 1
☐ Silica in Air ☐ w/Gravimetry
☐ Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY: Type	Time On/Off	Avg LPM	Total Time	Sample Area / Air Volume
535AS-P01	3/25/25	Exterior / Gray CMU Block Wall	A P C				
535AS-P02	3/25/25	Exterior / Beige CMU Block Wall	A P C				
535AS-P03	3/25/25	Exterior / White Metal Ceiling Beam	A P C				
535AS-P04	3/25/25	Exterior / White CMU Block Wall	A P C				
535AS-P05	3/25/25	Interior / Gray CMU Block Wall	A P C				
535AS-P06	3/25/25	Interior / Gray Lower Wall Surfacing	A P C				
535AS-P07	3/25/25	Interior / White CMU Block Wall	A P C				
535AS-P08	3/25/25	Exterior / Green Wall Surfacing (old roof plank)	A P C				
			A P C				
			A P C				

Sampled By: BB, BDC Date/Time: 3/25/2025 Shipped Via: ☒ Fed Ex ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Bernice Balete
Date / Time: 4/21/2025 @ 1000
Received By: Cecilia Lazaro
Date / Time: 04/22/25 10:00 PT
Condition Acceptable? ☐ Yes ☐ No

Relinquished By: Cecilia Lazaro
Date / Time: 04/22/25 15:00 PT
Received By: FX8526
Date / Time: 4/23/25 9:30
Condition Acceptable? ☐ Yes ☐ No

Relinquished By:
Date / Time:
Received By:
Date / Time:
Condition Acceptable? ☐ Yes ☐ No

SGS Forensic Laboratories may subcontract client samples to other SGSFL locations to meet client requests.
San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274
Los Angeles Office: 20535 South Belshaw Ave., Carson, CA 90746 • Phone: 310/763-2374 • 888/813-9417
Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040
Chicago Office: 3020 Woodcreek Drive, Suite C, Downers Grove, IL 60515 • Phone: 341/465-2464

Appendix D

Species List

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pacific Islands Fish And Wildlife Office
300 Ala Moana Boulevard, Box 50088
Honolulu, HI 96850-5000
Phone: (808) 792-9400 Fax: (808) 792-9580

In Reply Refer To: 09/29/2025 19:12:50 UTC
Project Code: 2025-0156061
Project Name: DLNR DOCARE Wahiawa Substation

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened and endangered species, as well as designated critical habitat that may occur within the boundary of your proposed project and that may be affected by project related actions. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). Please contact the Service's Pacific Islands Fish and Wildlife Office (PIFWO) at 808-792-9400 if you have any questions regarding your IPaC species list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may adversely affect threatened and endangered species and/or designated critical habitat.

Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a Biological

Evaluation, similar to a Biological Assessment, be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment or Biological Evaluation are described at 50 CFR 402.12.

Due to the significant number of listed species found on each island within PIFWO's regulatory jurisdiction, and the difficulty in accurately mapping ranges for species that we have limited information about, your species list may include more species than if you obtained the list directly from a Service biologist. We recommend you use the species links in IPaC to view the life history, habitat descriptions, and recommended avoidance and minimization measures to assist with your initial determination of whether the species or its habitat may occur within your project area. If appropriate habitat is present for a listed species, we recommend surveys be conducted to determine whether the species is also present. If no surveys are conducted, we err on the side of the species, by regulation, and assume the habitat is occupied. Updated avoidance and minimization measures for plants and animals, best management practices for work in or near aquatic environments, and invasive species biosecurity protocols can be found on the PIFWO website at: https://www.fws.gov/office/pacific-islands-fish-and-wildlife/library.

If a Federal agency determines, based on the Biological Assessment or Biological Evaluation, that a listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: http://www.fws.gov/endangered/esa-library/index.

Non-federal entities can also use the IPaC generated species list to develop Habitat Conservation Plans (HCP) in accordance with section 10(a)(1)(B) of the Act. We recommend HCP applicants coordinate with the Service early during the HCP development process. For additional information on HCPs, the Habitat Conservation Planning handbook can be found at https://www.fws.gov/sites/default/files/documents/habitat-conservation-planning-handbook-entire.pdf.

Please be aware that wind energy projects should follow the Service’s wind energy guidelines (http://www.fws.gov/windenergy) for minimizing impacts to migratory birds. Listed birds and the Hawaiian hoary bat may also be affected by wind energy development and we recommend development of a Habitat Conservation Plan for those species, as described above. Guidance for minimizing impacts to migratory birds for projects including communications towers can be found at:

- http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers
- http://www.towerkill.com
- http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow

Fish and Wildlife Coordination Act: Any modification to freshwater or marine waters of the U.S. including impounding, diverting, deepening, controlling, or modification for any other purpose requires a Fish and Wildlife Coordination Act (FWCA) consultation with the U.S Fish and Wildlife Service, State/ Territorial wildlife agency (State of Hawaii Division of Aquatic

Resources, American Samoa’s Department of Marine and Wildlife Resources, Guam’s Division of Aquatic and Wildlife Resources, or the Northern Mariana Island’s Division of Fish and Wildlife) and the National Marine Fisheries Service. The Pacific Islands Fish and Wildlife Office in Honolulu should be notified of a FWCA consultation request with a project description and any relevant biological information in order to expedite the appropriate level of coordination and consultation needs.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation actions that benefit threatened and endangered species into their project planning to further the purposes of the Act in accordance with section 7(a)(1). Please include the Consultation Tracking Number associated with your IPaC species list in any request for consultation or correspondence about your project that you submit to our office. Please feel free to contact us at PIFWO_admin@fws.gov or 808-792-9400 if you need more current information or assistance regarding the potential impacts to federally listed species and federally designated critical habitat.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

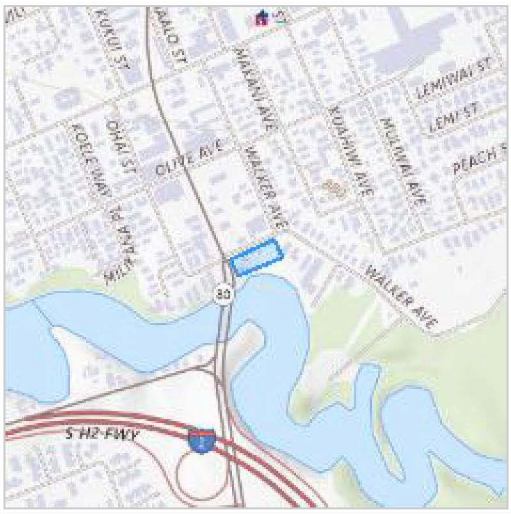
Pacific Islands Fish And Wildlife Office
300 Ala Moana Boulevard, Box 50088
Honolulu, HI 96850-5000
(808) 792-9400

PROJECT SUMMARY

Project Code: 2025-0156061
Project Name: DLNR DOCARE Wahiawa Substation
Project Type: Acquisition of Lands
Project Description: The State is planning to acquire the property to address the neglect and use as an unofficial shelter by informal residents. Once acquired, the site will operate a substation for DOCARE officers patrolling the Wahiawā and North Shore districts. Currently, DOCARE officers patrolling the Wahiawā and North Shore districts operate out of the main station in Pearl City. To strengthen enforcement, DOCARE plans on operating a smaller substation in Wahiawā.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@21.493039500000002,-158.02791579126227,14z



Counties: Honolulu County, Hawaii

ENDANGERED SPECIES ACT SPECIES

There is a total of 24 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Hawaiian Hoary Bat *Lasiurus cinereus semotus*	Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/770
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6477.pdf

BIRDS

NAME	STATUS
Band-rumped Storm-petrel *Hydrobates castro*	Endangered

Population: USA (HI)
No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/1226
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6939.pdf

Hawaiian Common Gallinule *Gallinula galeata sandvicensis* — Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/6612
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6934.pdf

Hawaiian Coot (alae Ke`oke`o) *Fulica alai* — Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/7233
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6934.pdf

Hawaiian Duck *Anas wyvilliana* — Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/7712
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6934.pdf

Hawaiian Petrel *Pterodroma sandwichensis* — Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/6746
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6939.pdf

Hawaiian Stilt *Himantopus mexicanus knudseni* — Endangered

No critical habitat has been designated for this species.

NAME STATUS

Species profile: https://ecos.fws.gov/ecp/species/2082
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6934.pdf

Newell"s Shearwater *Puffinus newelli* — Threatened
No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/2048
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/B6SJE5XOKNFUXMF5CUQIPF5OVA/documents/generated/6939.pdf

REPTILES

NAME STATUS

Hawksbill Sea Turtle *Eretmochelys imbricata* — Endangered
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/3656

FLOWERING PLANTS

NAME STATUS

`aiea *Nothocestrum latifolium* — Endangered
No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/1061

`akoko *Euphorbia celastroides var. kaenana* — Endangered
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/3842

`ena`ena *Pseudognaphalium sandwicensium var. molokaiense* — Endangered
No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/5993

Bonamia menziesii — Endangered
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/2503

Haha *Cyanea truncata* — Endangered
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/876

Hala Pepe *Dracaena forbesii* — Endangered
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/5965

Kamanomano *Cenchrus agrimonioides* — Endangered
There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
Species profile: https://ecos.fws.gov/ecp/species/2928

Kaulu *Pteralyxia macrocarpa* — Endangered

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Ethan Santiago
Address: 111 S. King Steet, Suite 170
City: Honolulu
State: HI
Zip: 96813
Email ethans@g70.design
Phone: 8084414636

Appendix E

Infrastructure Due Diligence Assessment

INFRASTRUCTURE DUE DILIGENCE ASSESSMENT

Department of Land and Natural Resources (DLNR)

DOCARE Wahiawa Substation

Wahiawa, Oʻahu

TMK: (1) 7-4-001:025

Existing Conditions

Existing Topography and Site

The Project Site is located in Wahiawā, Oʻahu, Hawaiʻi and identified by TMK (1) 7-4-001:025 (Figure 1). The site measures approximately 0.2 acres (9,288 square feet).

The site is bound by commercial properties to the east and west and the city owned and maintained Avocado Street to the north. The Wahiawā Freshwater State Recreation Area borders the site to the south. There is a 15-ft wide drainage easement in favor of the City and County of Honolulu over and across the Project Site along the eastern property line.

There is existing asphalt pavement and a concrete pad between the two existing structures on site. There is existing asphalt pavement and unpaved area that slopes towards the Wahiawa Freshwater State Recreation Area to the east of the building in the center of the property.

The Project Site is generally flat, gradually sloping from northeast to southwest, with elevations between 869 and 871 feet above Mean Sea Level (MSL). There is an unpaved area located at the southeast corner of the Site that slopes south towards the Wahiawā Freshwater State Recreation Area at a relatively steep slope.

Based on the NRCS Web Soil Survey, the soils at the Project site are classified as Helemano silty clay and Wahiawa silty clay. Helemano clay has slopes of 30% to 90%. Wahiawa silty clay has slopes of 8% to 15%.

Existing Drainage

Stormwater runoff from the Project Site generally sheet flows south into the Wahiawā Freshwater State Recreation Area. There are two area drains in between the two existing buildings that discharge through pipe outlets under the existing retaining wall on the adjacent property to the south of the site.

There is existing City-owned storm drain infrastructure located in the drainage easement. Runoff from Walker Ave. is diverted to a City-owned storm drain manhole located to the north of the drainage easement on the Project Site. From there, a City-owned 42-inch reinforced concrete pipe (RCP) conveys stormwater through the drainage easement, and discharges near the Kaukonahua Stream to the south. Within the Wahiawā Freshwater State Recreation Area, runoff continues to flow south toward the Kaukonahua Stream.

There is no gutter and curb along Avocado Street fronting the property. There is an asphalt curb on the opposite side of Avocado Street. Street runoff in front the property is diverted to the asphalt curb on the north side of the street and continues to the west where it is captured by an existing

catch basin at the intersection of Avocado Street and Kamehameha Highway. The site also appears to have low spots with localized ponding near the northern boundary along Avocado Street.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), the project site including the existing structures is located within Zone X described as "Areas determined to be outside the 0.2% annual chance floodplain."

Since the Project Site is less than 100 acres, the Rational Method is used to estimate the Project Site's pre-development runoff peak flow rate, in accordance with the City and County of Honolulu Storm Drainage Standards. Using the Rational Method, the Project Site's pre-development peak runoff flow rate is estimated to be 1.7 cfs.

Refer to Exhibit 1 – Existing Storm Drain Map for the existing storm drain system.

Existing Water

The property is served by a 12-inch cast iron water main in Avocado Street. There are three 5/8-inch domestic meters on the site. The building on the western side is served by a 5/8-inch meter (M/N 98022653). Additionally, there is one double service lateral with two 5/8-inch meters (M/N 93023119 and 00201274) serving the building on the eastern side.

There is a BWS fire hydrant (C00236) located in Walker Avenue across the street from the project site. BWS provided the following flow and pressure data for this hydrant on April 29, 2025: Static pressure is 88 psi and residual pressure is 76 psi at 2000 gpm based on BWS flow models.

Refer to Exhibit 2 – Existing Water Map for the existing water system.

Existing Sewer

The existing buildings on the property discharge wastewater to a 24-inch sewer main in Avocado Street through a 6-inch sewer lateral that connects via a sewer manhole. The 24-inch sewer main slopes west and connects to a 24-inch sewer main along Kamehameha Highway, ultimately conveying wastewater to the City's Wahiawā Wastewater Treatment Plant. Sewer lateral sizes were obtained from the City's GIS database.

Refer to Exhibit 3 – Existing Sewer Map for the existing sewer system.

Proposed Conditions

Proposed Grading and Drainage

The proposed Project consists of redeveloping the existing site to construct a new DLNR DOCARE substation. In the preferred site and building scheme prepared by UHCDC, there would be one two-story building located in the center of the site. Level 1 of the building consists of evidence storage, boat parking, and temporary officer parking. Level 2 of the building consists of a break area, equipment storage, lockers, showers, and office space. The preferred scheme also includes covered ATV/jet ski parking located to the west of the building, and uncovered officer parking to the east of the building. Access over and across the drainage easement should be maintained.

Due to the proximity to the existing slope, a retaining wall will be required along the southern edge of the property. The retaining wall is anticipated to have approximate retained heights ranging from

2 feet at the western corner to 10 feet at the eastern corner. Depending on the final site plan, the building structure may also need to retain soil.

Proposed drainage improvements will be installed on the Project Site to limit runoff to pre-development conditions, in accordance with the C&CH Storm Drainage Standards. Runoff shall be limited to pre-development conditions or as specified in the General Conditions. As required by the Standards, the 10-year recurrence interval shall be used to size drainage facilities for the project. As the existing site is mostly impervious, the post-development runoff rates are not expected to be significantly higher than the pre-development runoff rates.

The existing 42-inch RCP in the drainage easement will be protected-in-place. The drainage easement will be maintained including the existing drainage pattern. The proposed retaining wall must not block access to and across the drainage easement.

According to the Rules Relating to Water Quality, the Project is not expected to meet the criteria to be defined as a Priority A or B Project due to the small size and type of project. Therefore, the Low Impact Development (LID) and stormwater quality treatment measures are not anticipated to be required for the Project.

Proposed Water

The proposed Project will connect to the existing Board of Water Supply-owned 12-inch water main in Avocado St. The Project is expected to only need one water meter and lateral. The Project will reuse or relocate one of the existing water meters and laterals, or construct a new water meter and lateral, depending on the proposed plumbing design.

The Board of Water Supply issued a letter dated April 10th, 2025, confirming that the existing water system is adequate to accommodate the proposed substation, attached.

Proposed Sewer

The proposed Project will connect to the existing City-owned 24-inch sewer main in Avocado St. The Project will reuse or relocate the existing 6-inch sewer lateral, or construct a new sewer lateral, depending on the proposed plumbing design.

A Sewer Connection Application (SCA) was approved on April 28th, 2025 by the Wastewater Branch (WWB), attached. The WWB approval will expire on April 28th, 2027 if a connection is not made.

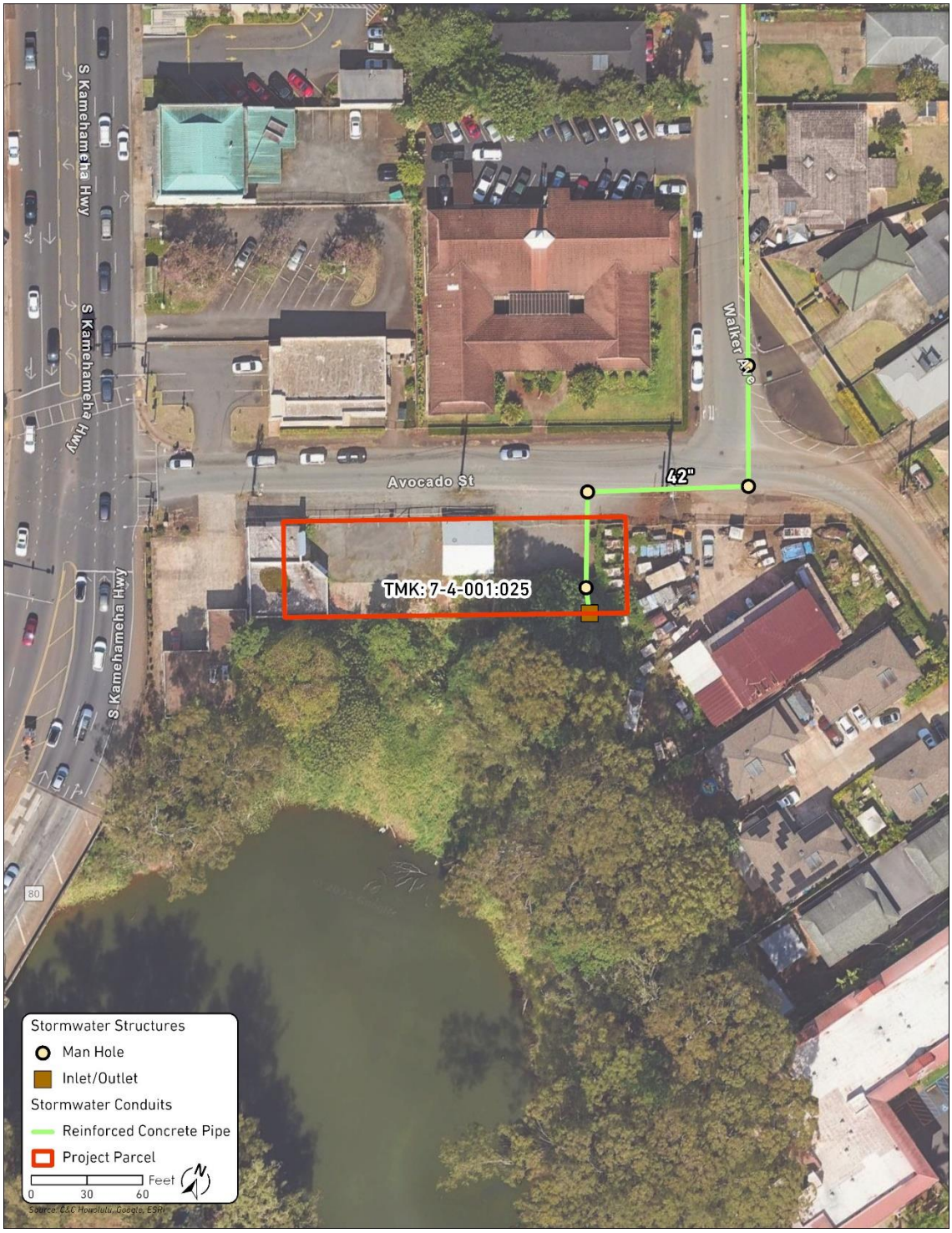


Figure 1. Existing Storm Drain Map

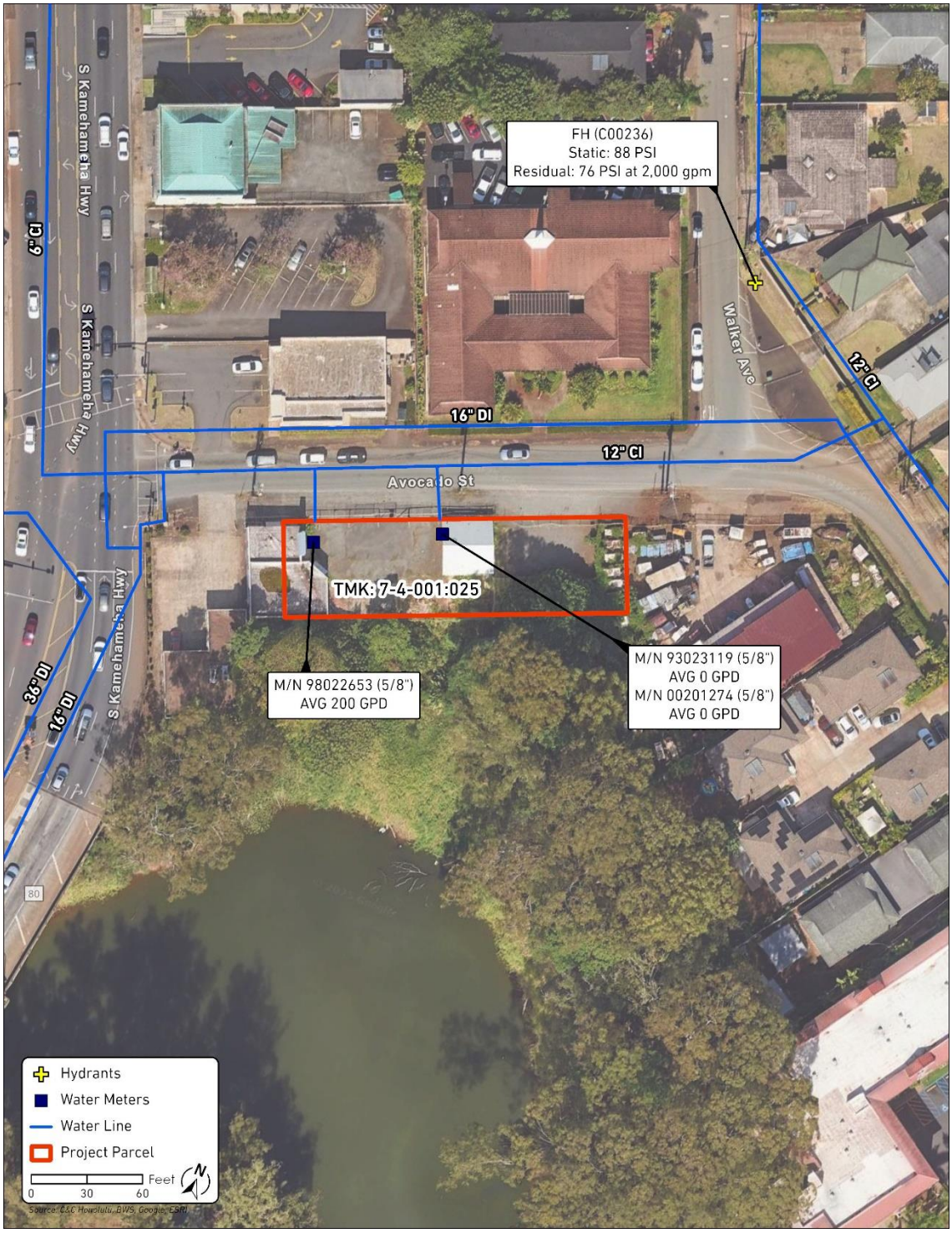


Figure 2. Existing Water Map

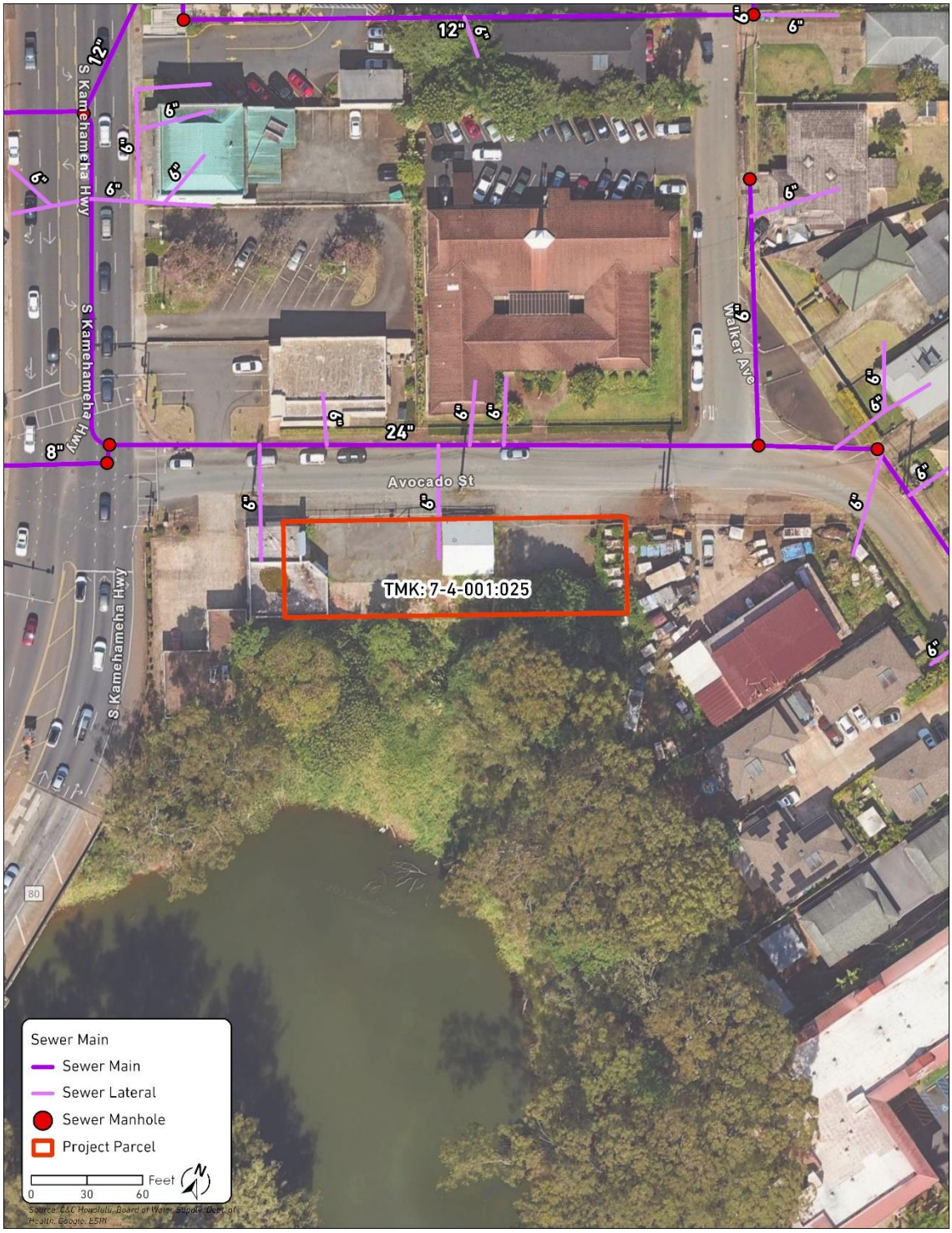


Figure 3. Existing Sewer Map

Appendix F

Transportation Assessment

Fehr & Peers

Memorandum

Date: November 5, 2025

To: Tracy Camuso and Kira Ramos, G70

From: Emily Turner and Sohrab Rashid

Subject: DOCARE Wahiawā Substation: Transportation Assessment

SD25-0575

Project Description

The State of Hawai‘i Department of Land and Natural Resources (DLNR) proposes to build and operate a Division of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation (hereafter referred to as the "Project") located at 525 Avocado Street in the community of Wahiawā on the island of O‘ahu. The Project site is currently vacant and not generating vehicle trips.

The proposed project is the construction of a substation for DOCARE officers patrolling the Wahiawā/North Shore area. The proposed facility is expected to include office space, a squad room, a locker area, an evidence-handling area, a lanai/expansion space, restrooms, storage, and parking. The 0.21-acre Project site (TMK 1-7-4-001-025) is bounded by Avocado Street to the north, commercial uses to the west and east, and a nature preserve to the south. **Attachment A** shows the location of the Project site and the surrounding study area. **Attachment B** shows the proposed site plan.

This memorandum describes our assessment of vehicle trip generation, site access, parking, and on-site circulation for the Project, as well as our recommendations for transportation improvements identified through evaluation of the site plan provided by G70. This assessment is consistent with similar studies previously prepared for review by the City and County of Honolulu (C&CH) Department of Planning and Permitting (DPP) Traffic Review Branch (TRB).

Existing Conditions

This section provides an overview of the existing transportation network in the Project area, including roadway, pedestrian, bicycle, and transit facilities. Overall, the assessment of existing conditions relevant to this study establishes the site's transportation context.

Roadway System

The following roadways provide access to the Project site and serve as key components of the surrounding transportation network:

Avocado Street is an east-west, two-lane (one lane in each direction), undivided roadway that extends from Kamehameha Highway to Walker Avenue. Avocado Street provides primary access to and from the Project site. On-street parking generally does not occur on Avocado Street and is prohibited on the south side, as indicated by clear signage. While no speed limit is posted on Avocado Street, the speed limit is presumed to be 25 miles per hour (mph) based on the street's design compared to other similar nearby roadways. Avocado Street is owned and maintained by the C&CH and a traffic signal controls the intersection at Kamehameha Highway.

Walker Avenue is a north-south, two-lane (one lane in each direction), undivided roadway that connects California Avenue to the Wahiawā Freshwater State Recreation Area. Walker Avenue intersects Avocado Street approximately 75 feet east of the Project's eastern site boundary. On-street parking is generally prohibited on both sides of Walker Avenue south of Olive Avenue, and occurs predominantly on the west side north of Olive Avenue. The posted speed limit on Walker Avenue is 25 mph. Walker Avenue is owned and maintained by the C&CH.

Kamehameha Highway (Route 80), is a north-south, six-lane highway with three northbound lanes, two southbound lanes, and one two-way left turn lane within the Project vicinity. Kamehameha Highway provides key regional access through Wahiawā, linking Wahiawā residents and visitors to Route 99 and H-2. Kamehameha Highway is divided south of Avocado Street and undivided to the north. On-street parking is allowed on designated segments on the west side of the highway north of Avocado Street, but prohibited elsewhere. The posted speed limit on Kamehameha Highway within the Project vicinity is 25 mph. Kamehameha Highway is owned and maintained by the State of Hawai‘i Department of Transportation's (HDOT's) Highways Division.

Traffic Conditions

During field observations conducted in May 2025, the intersection of Avocado Street and Kamehameha Highway appeared to be operating at a less-than-desirable level of service during peak hours. Westbound queues were observed along Avocado Street during the morning (AM) and evening (PM) peak hours, and these queues did frequently extend beyond the site onto Walker Avenue toward Olive Avenue. When the westbound approach had a green light, the queue would often not completely clear during the cycle. Similar northbound queues along Walker Avenue from Olive Avenue were also observed during peak hours.

Pedestrian Facilities and Activity

Pedestrian facilities consist of crosswalks, curb ramps, and pedestrian signals at signalized intersections, as well as sidewalks and paths on street segments between intersections. Sidewalks are provided along both sides of Kamehameha Highway north of Avocado Street, and along the west side of Kamehameha Highway south of Avocado Street. No sidewalks or formal paths are provided along either side of Avocado Street or Walker Avenue, with the exception of one 150-foot segment on the west side of Walker Avenue, extending south of Olive Avenue. High-visibility crosswalks are marked on three of the four legs of the signalized intersection of Avocado Street and Kamehameha Highway. The south leg is the only leg currently lacking a marked crosswalk.

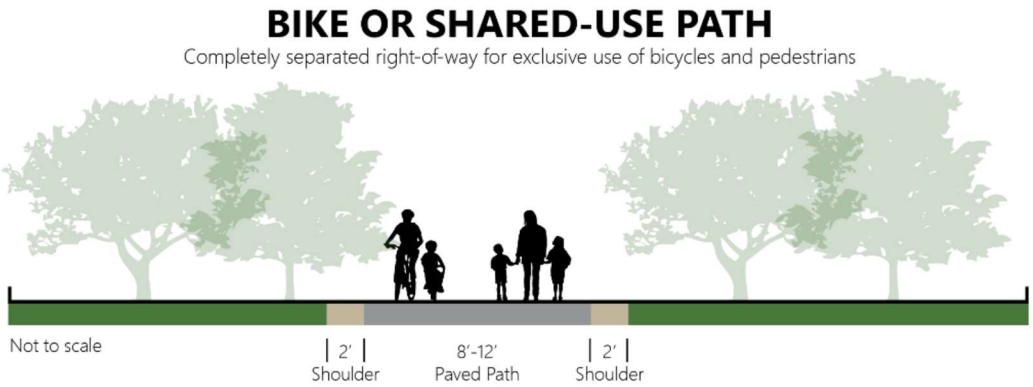
Pedestrians must walk in the roadway or along the shoulder on these local streets, posing a potential safety issue. Pedestrian activity along Avocado Street was minimal during the field review with fewer than five (5) pedestrians observed during each of the AM and PM peak hours.

DRAFT

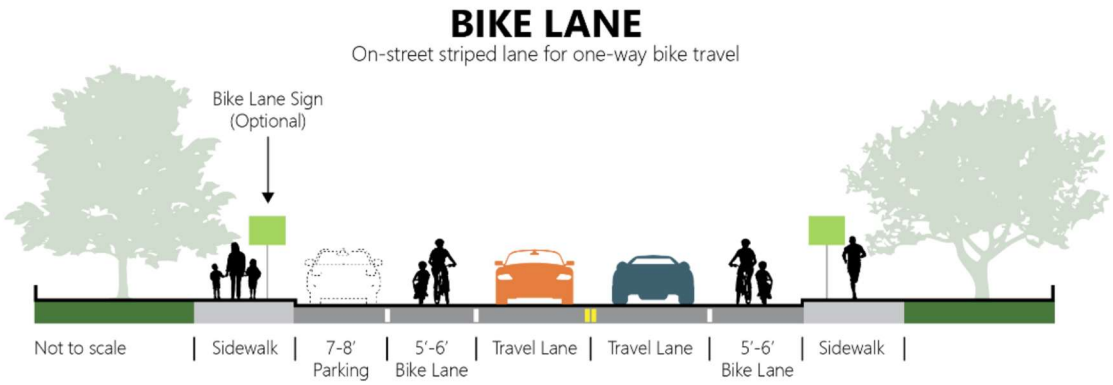
Bicycle Facilities

Bicycle facilities generally consist of four types of facilities, which are outlined below:

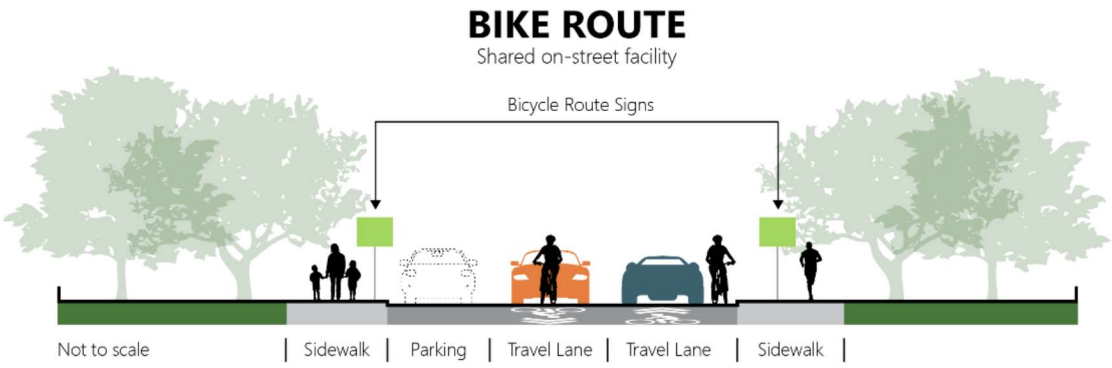
- *Bicycle or Shared-Use Paths* provide a separate right-of-way and are designated for the exclusive use of bicycles and pedestrians (or exclusively bicycles) with minimal vehicle-pedestrian crossflow. Generally, the recommended pavement width for a bidirectional bicycle or multiuse path is ten (10) feet.



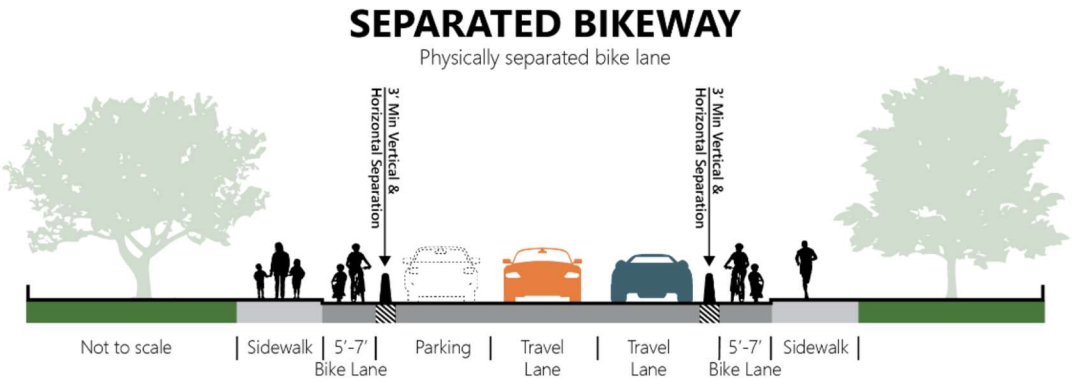
- *Bicycle Lanes* provide a restricted right-of-way and are designated for the use of bicycles with a striped lane on a street or highway. Bicycle lanes are generally a minimum of five (5) feet wide, however, six (6) feet is preferred for lanes that include a concrete gutter. Adjacent vehicle parking and vehicle-pedestrian crossflow are permitted.



- *Bicycle Routes or Signed Shared Roadways* provide for a right-of-way designated by signs and/or shared lane pavement markings ("sharrows") for shared use between bicyclists and motor vehicles.



- *Separated Bikeways or Cycle Tracks* provide a restricted right-of-way with physical separation and are designated for the use of bicycles with a raised barrier such as curbs or bollards. Separated bikeways are generally a minimum of five (5) feet wide with a three (3)-foot horizontal and vertical separation area desired. Narrower separations can be provided if adjacent vehicle parking is not provided. When adjacent vehicle parking is permitted next to the cycle track, vehicle-pedestrian crossflow is restricted to select locations (e.g., driveways) indicated by breaks in the barrier and buffer.



No bicycle facilities are provided along either side of Avocado Street, Walker Avenue, or Kamehameha Highway, meaning bicyclists must share the roadway with vehicles or ride on the shoulder of the roadway (if one is present). Sharing the roadway is a common practice on local streets like Avocado Street and Walker Avenue given the lower traffic volumes and travel speeds compared to higher volume roadways like Kamehameha Highway.

During field observations, few bicyclists were observed on Avocado Street in front of the Project site.

Transit Facilities

O'ahu's public bus system, TheBus, operates several bus routes within the Project vicinity. Routes 51, 52, 83, 99, 511, and PH3 have bidirectional bus stops within approximately 300 feet of the Project site. A comfortable walking distance to access bus transit is generally considered to be within a quarter mile, or 1,320 feet. Peak headways for these routes range from 15 to 60 minutes on weekdays and 30

to 70 minutes on weekends. **Table 1** shows the hours of operation and headways for weekday and weekend bus service on these routes.

Table 1. Bus Routes Near Project Site

Route	Weekday		Weekend	
	Hours of Operation	Peak Headway (mins)	Hours of Operation	Peak Headway (mins)
51 Honolulu - Wahiawā	3:55 AM – 12:25 AM	15	4:25 AM – 2:19 AM	30
52 Honolulu - Mililani – Haleiwa	4:36 AM – 2:18 AM	30	4:56 AM – 1:09 AM	35
83 Wahiawā Town Express	4:52 AM – 6:50 PM	20	No service	No service
99 Wahiawā - Mililani - Waipahu - Kapolei Express	5:10 AM – 6:05 PM	60	No service	No service
511 Wahiawā - Schofield	5:45 AM – 12:41 AM	10	7:50 AM – 12:43 AM	70
PH3 Wahiawā Heights - Pearl Harbor Express	5:08 AM – 4:27 PM	N/A (one AM bus and one PM bus)	No service	No service

Planned Multimodal Improvements

Based on our review of multiple planning documents, no mobility or circulation improvements are planned for Avocado Street fronting the Project site. Our document review included the Oʻahu Pedestrian Plan (2022), Oʻahu Bike Plan (2019), and various State of Hawaiʻi and Oʻahu Metropolitan Planning Organization (OʻahuMPO) transportation improvement plans. As such, the existing transportation facilities and services are expected to be in place when Project operations commence.

Project Vehicle Traffic Assessment

The following Project-specific assumptions—based on information received from G70 and the Project team—were used to inform the trip generation evaluation:

- The site will be utilized by three (3) to four (4) officers on a daily basis and about six (6) officers on a weekly basis.
- The officers will be accessing the site throughout the day during typical working hours.
- Public access to the site will not be allowed.

Based on these planned operations, the Project is expected to generate fewer than five (5) trips during each of the AM and PM peak hours. While new vehicle trips would be added to Avocado Street, the impact of the additional vehicles (on average, less than one vehicle every 12 minutes during the peak hour) would be indiscernible to existing drivers. Therefore, any Project-related traffic is expected to have a less-than-significant impact on the operations of the adjacent street segment and intersections.

Site Plan Evaluation

The following site plan evaluation was conducted based on our review of the G70 site plan for the Preferred Option – Central Tower, dated August 2025.

The Project site is proposed to include vehicular access from Avocado Street. Vehicular access will be provided via two (2), two-way, 30-foot-wide driveways with double rolling gates. This two-way access allows for optional turning movements during peak congestion and maximum flexibility for circulation. The site includes designated parking areas to accommodate one (1) 25-foot Whaler boat, three (3) jet skis, three (3) all-terrain vehicles (ATVs), one (1) boat truck, and one (1) ADA stall. Officers are expected to park along the edges of the open lot within the site. Similar to the trip generation assessment, the volumes entering and exiting each driveway will be negligible and are not expected to impact traffic flow on Avocado Street.

The pedestrian and bicycle infrastructure within the study area generally does not support safe access to surrounding land uses or to the bus stops on Kamehameha Highway. The proposed site plan does not show a sidewalk along the site frontage on the south side of Avocado Street. To address this, we recommend that a sidewalk be installed along the entire length of the site frontage. Doing so will help to enhance pedestrian safety and accessibility by limiting interactions between vehicles and pedestrians. If a sidewalk is installed, its location/alignment will need to be coordinated with DPP TRB staff, and a subsequent detailed evaluation of sight distance will need to be conducted to ensure that adequate sight distance of people walking on the sidewalk is provided for drivers of vehicles leaving the Project site.

Recommendations

The number of vehicle trips the Project is expected to generate is low enough that existing drivers will not be able to discern a difference in operations at the site driveways or at the adjacent intersections. However, given existing westbound queuing observed on Avocado Street, it is possible that vehicles entering and exiting the Project site may experience temporary delays during certain times of the day. The site design will allow Project-generated vehicles flexibility in terms of traveling on Avocado Street to access Kamehameha Highway or using Walker Avenue to travel to and from the site. The Project is not expected to have an adverse impact on pedestrian, bicycle, or transit mobility in the study area.

While mitigation of Project-related traffic impacts is not necessary from an operations perspective, the following recommendations should be considered:

- Install a sidewalk along the site frontage to enhance pedestrian and transit access and improve safety for individuals walking to and from the area or nearby bus stops.
- Conduct a detailed sight distance assessment to minimize conflicts between vehicles and pedestrians at and near site driveways once the design of all on-site elements (e.g., building walls, fences, signage, etc.) is finalized.

DRAFT

Attachment A

DRAFT

Project Site

ATTACHMENT A

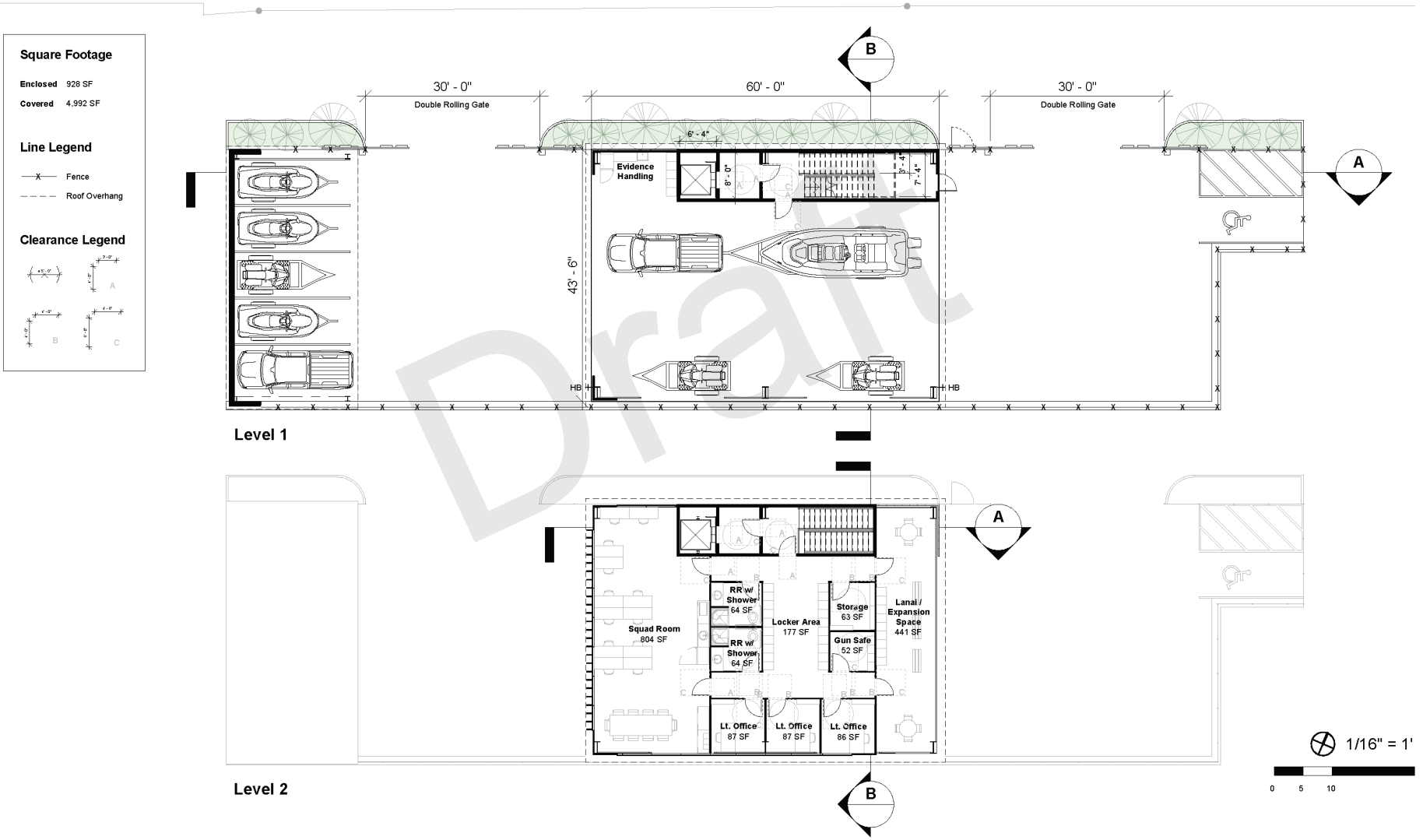
Project Vicinity Map

Fehr & Peers

Attachment B

DRAFT

Preferred Option: Central Tower *Floor Plans*



Source: G70 and University of Hawai'i Community Design Center, August 2025

ATTACHMENT B

Proposed Site Plan

Appendix G

Archaeological Literature Review and Field Inspection

Draft

Archaeological Literature Review and Field Inspection for the Department of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation, Waiʻanae Uka Ahupuaʻa, Wahiawā District, Oʻahu Island TMK: (1) 7-4-001:025

Prepared for:

Prepared by:
Nathan J. DiVito, M.A. and
Trisha Kehaulani Watson, J.D., Ph.D.

Honolulu, Hawaiʻi
July 2025

Management Summary

At the request of Group 70 International Inc., an Archaeological Literature Review and Field Inspection (ALRFI) was conducted for the Department of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation located in Waiʻanae Uka Ahupuaʻa, Wahiawā District, Oʻahu Island, TMK: (1) 7-4-001:025. The project area is situated in Wahiawā town and consists of a commercial property with two buildings located at 525 and 535 Avocado Street. The property measures 0.2132 acres (9,288 square feet [sq. ft] or 863 square meters [sq. m]) in size and was formerly owned by Angelo's Auto Body & Detailing LLC.

This study was conducted for an Environmental Assessment (EA) Chapter 343 review to identify cultural resources in support of the proposed DOCARE Wahiawā Substation. The objectives of the ALRFI were to determine the project area's land-use history, to relocate and identify any historic properties or component features in the project area, and to evaluate the proposed project's potential effect on historic properties. This study is not an archaeological inventory survey (AIS); however, it has been conducted according to standards outlined in Hawaiʻi Administrative Rules (HAR) §13-276 for AIS studies and is intended to assist with the project's compliance with Hawaiʻi Revised Statutes (HRS) 6E-8 and HAR §13-275 in consultation with the State Historic Preservation Division (SHPD).

Wahiawā is most widely known as the birthplace of Hawaiian high chiefs due to the presence of Kūkaniloko, an important complex of birthing boulders located northwest of Wahiawā town. It is one of only two places in the island chain known for the birthing of chiefs. Kūkaniloko had a companion heiau, Hoʻolonopahu which heralded the arrival of the new chiefs. Based on this, it is likely that the area had a substantial traditional Hawaiian population. The riparian lands along the forks of Kaukonahua Stream and Poamoho Stream would have been cultivated with extensive loʻi terraces and other agricultural features with nearby kula (pasture) lands used for native gardens and habitation.

No moʻoleo or any other historical information was found regarding traditional use of the project area. It is located within Waiʻanae Uka and was generally part of the lands of the central plateau cleared for sandalwood during the early historic period. During the Māhele, the surrounding lands including the project area were retained by the Hawaiian Government as Crown Land. Later, the land was transferred to the Board of Education who leased it to W.C. Jones in 1875. The area that would become Wahiawā ahupuaʻa was annexed by the Hawaiian Territorial Government in 1898, and was divided into thirteen lots known as the Wahiawa Colony Tract. The project area was located within Lot 1B, sold as a portion of Land Grant 4616 to Mary E. Clark in 1902. The Clark Tract residential neighborhood including Avocado Street was constructed in 1916 and included a total of 86 lots, with the project area located within Lot 46. Aerial photographs and maps indicate the property remained undeveloped until the early 1950s when three commercial buildings and their associated parking lots and infrastructure were constructed on the property. The lot was subdivided to its current square footage in 1968 and the property and surrounding area has stayed relatively the same until the last 10 -15 years. Recent changes include demolishing the two story building on the property, construction of a CMU block addition to one of the buildings, and other alterations associated with fires on the property. As of now the buildings on the property are vacant and abandoned with squatters living and dumping garbage in the vicinity.

No previous archaeological studies have been conducted for the project area. However, it was included in a reconnaissance level survey for Wahiawā town that evaluated a total of 3,585 properties and provided National Register of Historic Places (NRHP) eligibility recommendations for 3,283 properties. The three structures within the project area were included in the survey with two of the buildings not evaluated for significance and the third assessed as ineligible for listing on the NRHP.

The archaeological field inspection consisted of a 100% pedestrian survey of the traversable portions of the project area. The project area was completely developed, and no historic properties were documented, and no significant artifacts or features were encountered during the field inspection. The lack of historic properties is due to development of the parcel which included excavation and subsurface utilities for the three (now two) commercial buildings, grading for asphalt and concrete paving of the remainder of the property, and construction of a retaining wall along the southern boundary of the property.

Since no plans have been finalized for the subject property in association with the DOCARE Wahiawā Substation project, recommendations include consultation with SHPD and an evaluation of historic buildings by a qualified architectural historian prior to development.

Table of Contents

Management Summary ..... **i**

Introduction **1**

Project Background 1
Environmental Setting 5
Natural Environment 5
Built Environment 5

Traditional and Historical Background **7**

Traditional Background 7
Historical Background 13
Wahiawā in the Early Post-Contact Period 13
The Māhele (1847-1855) 13
Mid to Late 19th Century Development of Wahiawā 16
20th Century Development of Wahiawā 17

Previous Archaeology **29**

Nearby Archaeological Studies 36
Nearby Historic Properties 44

Field Results **47**

Methodology 47
Survey Results 47

Summary and Recommendations **52**

References Cited **54**

List of Figures

Figure 1. Portion of a 2024 U.S. Geological Survey (USGS) topographic map showing the project area (red) 2
Figure 2. Aerial imagery showing the location of the project area (red) 3
Figure 3. Portion of Tax Map Key (TMK): [1] 7-4-001 showing the location of the project area (red) 4
Figure 4. Portion of a 2013 USGS topographic map with soil series overlay showing anticipated soils within the project area (Foote et al. 1972) 6
Figure 5. Portion of a 1904 Tracing by W.E. Wall of a 1876 Hawaiian Government Survey Map of Central Oʻahu by W.D. Alexander showing the project area (red) within the lands of Waiʻanae Uka (Registered Map 399, Alexander 1876) 15
Figure 6. Photograph of the Wahiawa healing stones in the 1920s (Digital Archives of Hawaiʻi Photograph Collection, Call Number PP-37-10-016) 20
Figure 7. An 1899 public lands map by M.D. Monsarrat showing homestead lots in Wahiawā in relation to the project area (red) (Registered Map [RM] 1941) 23
Figure 8. Portion of a 1913 U.S. Army war map showing the location of the project area (red) (U.S. Army 1913) 24
Figure 9. Map of the Clark Tract residential neighborhood showing the project area (red) within Lot 46 (File Plan 160, Harvey 1916) 25
Figure 10. Portion of a 1927 U.S. Army aerial photograph showing the project area (red) under pineapple cultivation (U.S. Army 1927) 26
Figure 11. Portion of a 1962 USGS aerial photograph showing the project area (red) (USGS 1962) 27
Figure 12. Portion of a 1977 USGS aerial photograph showing the project area (red) (USGS 1977) 28
Figure 13. Esri imagery showing previous archaeological studies in the vicinity of the project area 30
Figure 14. Esri imagery showing historic properties in the vicinity of the project area (red) 31
Figure 15. Map showing NRHP eligibility of structures within and in the vicinity of the project area (red), two structures within the project area were not evaluated (gray) and the other structure was assessed as ineligible (green) (Stuart et al. 2014:84) 42
Figure 16. Photo of the front (*top*) and back (*bottom*) of one of the two commercial buildings on the property, street address 535 Avocado Street 48
Figure 17. Overview photo of the former location of a commercial building on the property, street address 530 Avocado Street 49
Figure 18. Photo of the front (*top*) and back (*bottom*) of one of the two commercial buildings on the property, street address 525 Avocado Street 49
Figure 19. Overview of an asphalt parking lot on the eastern side of the property, looking southeast 50
Figure 20. Overview photo of a CMU retaining wall comprising a portion of the southern boundary of the property, looking northeast 50
Figure 21. Close-up of the CMU block construction of the retaining wall comprising a portion of the southern boundary of the property, looking north 51
Figure 22. Overview of rubbish and debris below the southern property boundary, looking south 51

List of Tables

Table 1. List of Inoa ʻĀina (Place Names) in Wahiawā Ahupuaʻa Referenced in This Report.....8
Table 2. Table listing previous archaeological studies in the vicinity of the project area.....32
Table 3. Historic properties documented in the vicinity of the project area.....45

Introduction

Project Background

This Archaeological Literature Review and Field Inspection (ALRFI) was conducted for the for the Department of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation located in Waiʻanae Uka Ahupuaʻa, Wahiawā District, Oʻahu Island, TMK: (1) 7-4-001:025. The project area is situated in Wahiawā town and consists of a commercial property located at 525 Avocado Street. The property measures 0.2132 acres (9,288 square feet [sq. ft] or 863 square meters [sq. m]) in size and is owned by Angelo's Auto Body & Detailing LLC. The project area is shown on a USGS topographic map (Figure 1), an aerial photo (Figure 2), and a TMK parcel map (Figure 3).

This study was conducted for an Environmental Assessment (EA) Chapter 343 review to identify cultural resources in support of the proposed DOCARE Wahiawā Substation. No plans have been finalized for the project but possible ground disturbances could include grubbing, grading, and excavations associated with land contouring, concrete foundations and walkways, and utility trenching.

The objectives of the ALRFI were to determine the project area's land-use history, to relocate and identify any historic properties or component features in the project area, and to evaluate the proposed project's potential effect on historic properties. This study is not an Archaeological Inventory Survey (AIS); however, it has been conducted according to standards outlined in Hawaiʻi Administrative Rules (HAR) §13-276 for AIS studies; it is intended to assist with the project's compliance with Hawaiʻi Revised Statutes (HRS) 6E-8 and HAR §13-275 in consultation with the State Historic Preservation Division (SHPD). Fieldwork was performed under archaeological permit number 26-28 issued to Honua Consulting by the SHPD in accordance with Hawaiʻi Administrative Rules (HAR) Chapter 13-282.

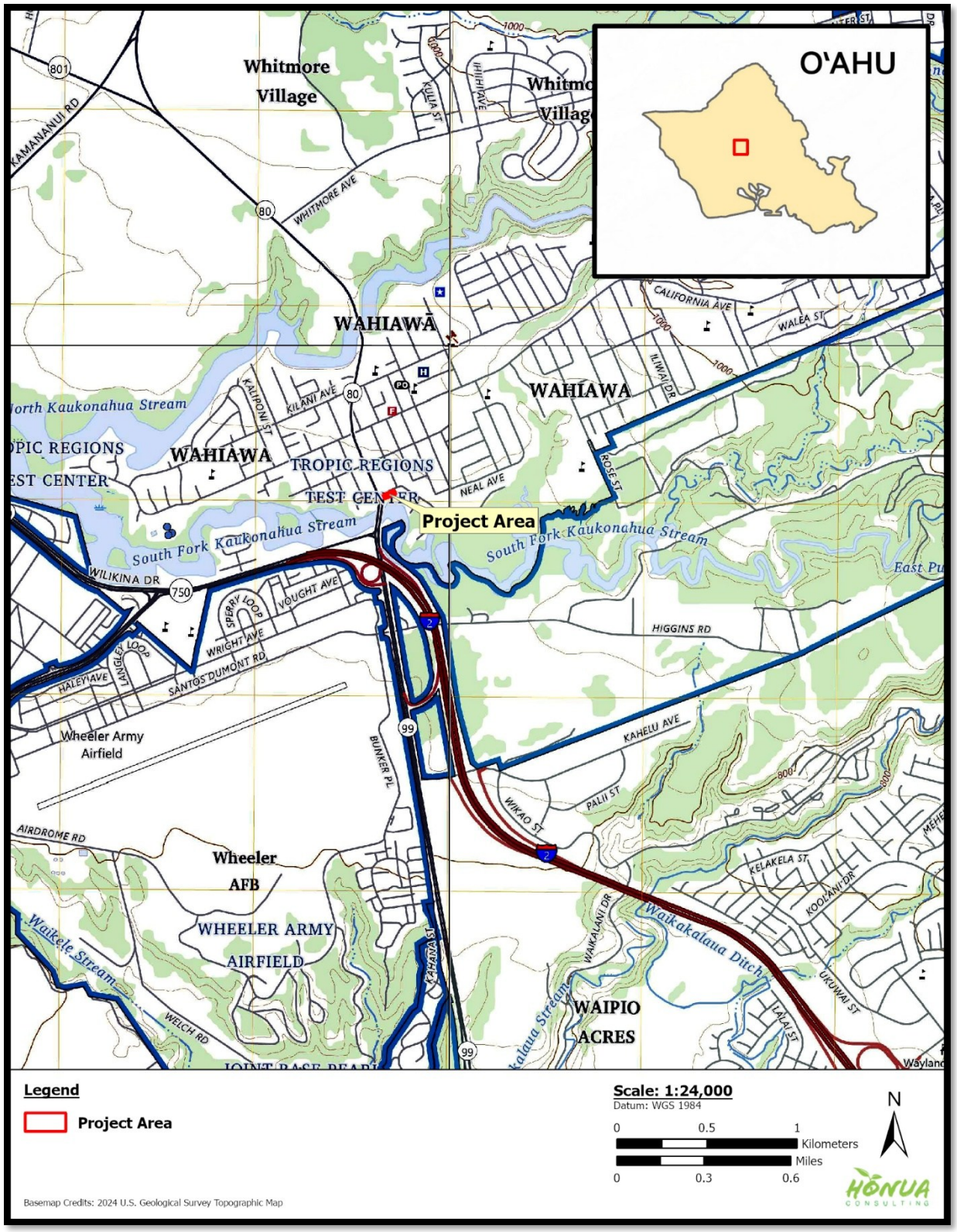


Figure 1. Portion of a 2024 U.S. Geological Survey (USGS) topographic map showing the project area (red)

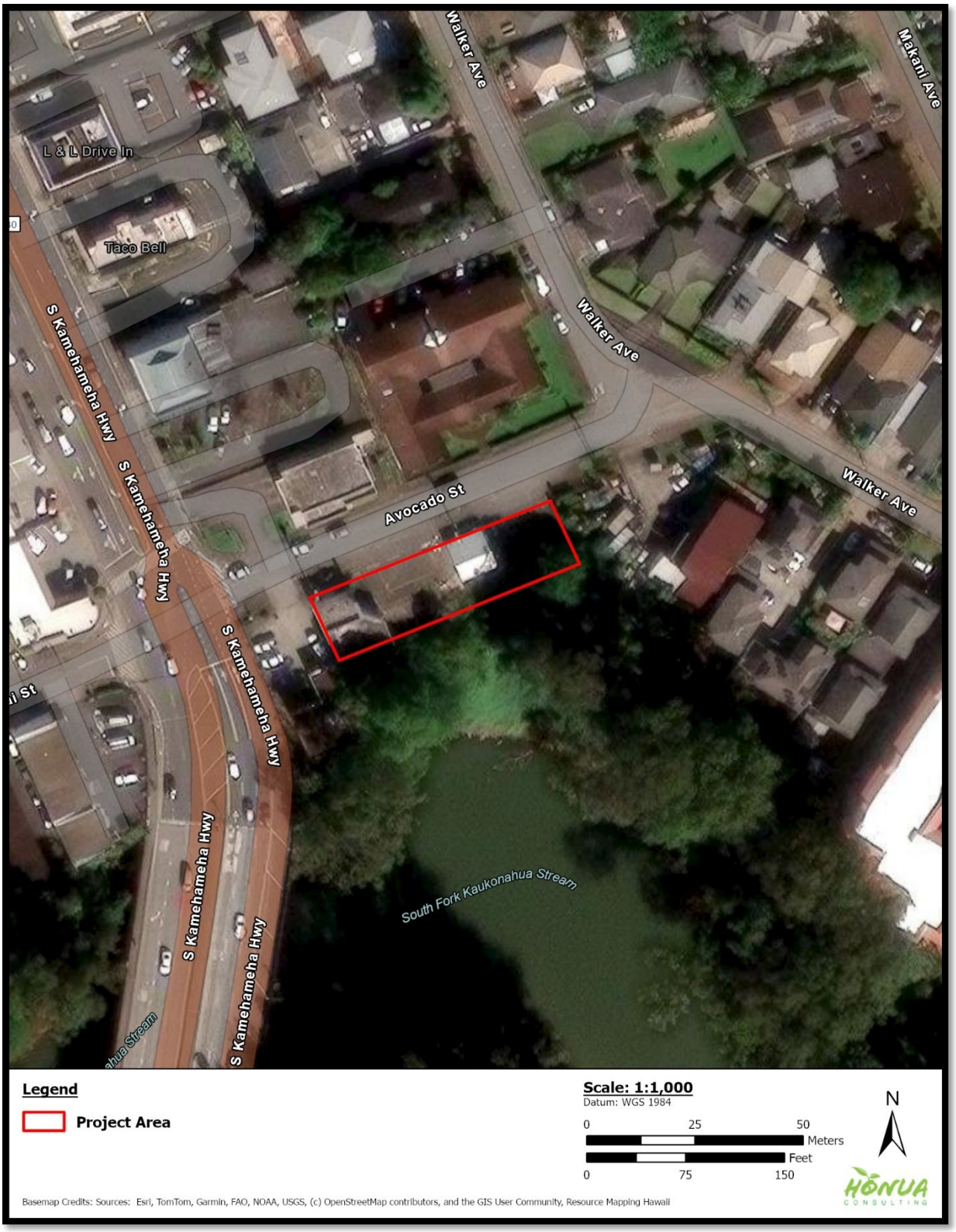


Figure 2. Aerial imagery showing the location of the project area (red)

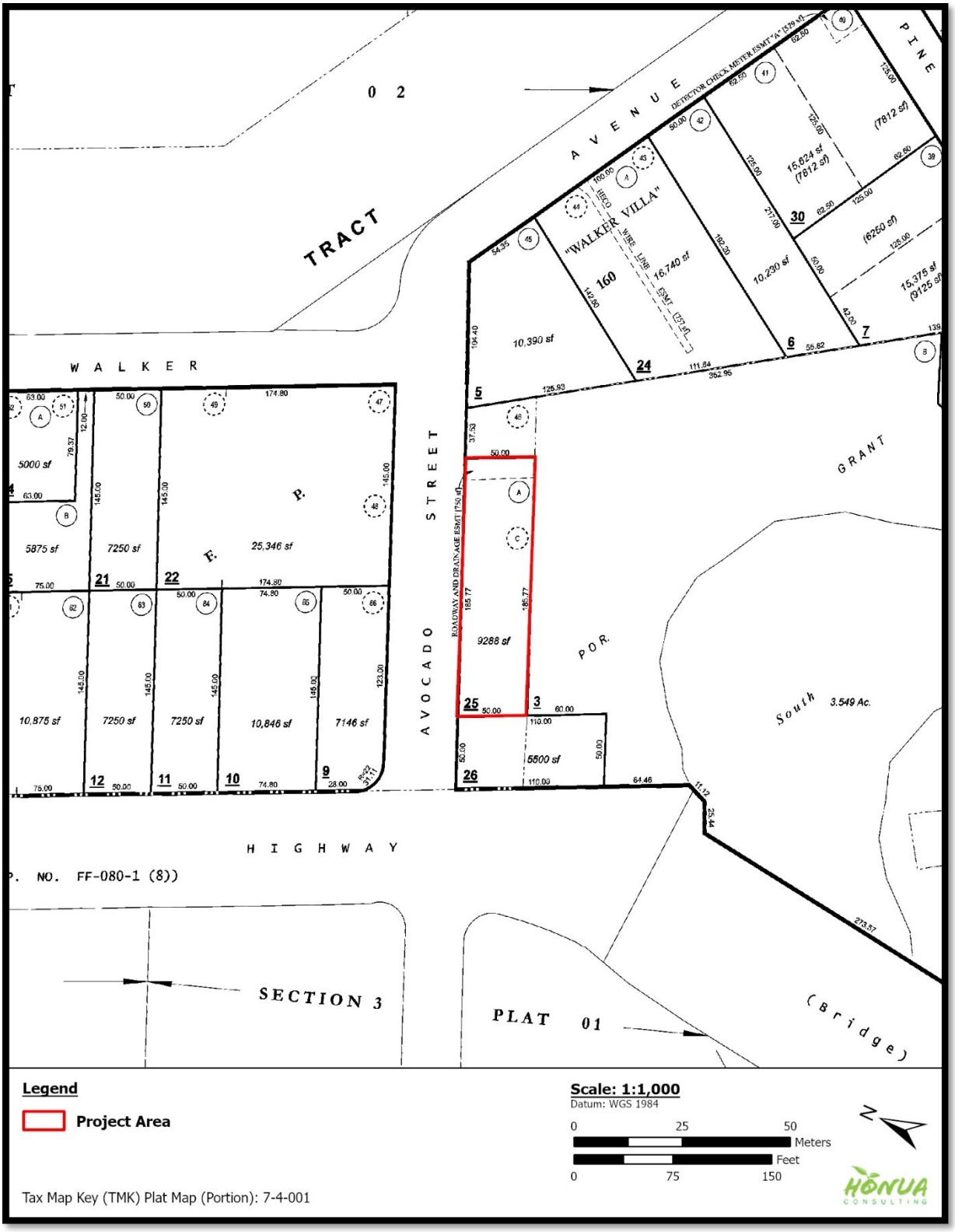


Figure 3. Portion of Tax Map Key (TMK): [1] 7-4-001 showing the location of the project area (red)

Environmental Setting

Natural Environment

The project area is located on the central Oʻahu plateau which was formed by lava from the Koʻolau Volcano banking against the eroded slope of the Waiʻanae Volcano (Macdonald et al. 1983:420). It is located within the traditional district (moku) of Wahiawā and the traditional land division (ahupuaʻa) of Waiʻanae. At this location Waiʻanae Uka Ahupuaʻa is bordered by Kamananui Ahupuaʻa to the north and Waikele Ahupuaʻa to the south.

The elevation of the project area is approximately 267 meters (875 ft) above mean sea level and is located approximately 10 miles (16.1 km) from the nearest coastline. It receives annual rainfall ranging between 1,144 and 1,197 mm (45 and 47 in), with wetter months in the period of November through March (Giambelluca et al. 2013). This portion of the plateau is dissected by many small streams and tributaries that flow from the Koʻolau Mountain range west to the ocean. The closest water souce to the project area is a portion of the south fork of Kaukonahua Stream located approximately 30 m (98 ft) to the south.

A single soil type is present within the project area and consists of Wahiawa silty clay on slopes ranging from 0 to 3 percent (WaA) (Figure 4). The Wahiawa soil series consists of well-drained soils on uplands on the island of Oʻahu. This soil type developed in residuum and old alluvium derived from basic igneous rock (Foote et al. 1972:124). They are nearly level to moderately steep and elevations range from 500 to 1,200 ft (152.4 to 365.7 m). These soils are generally used for sugarcane, pineapple, pasture, and homesites. The natural vegetation consists of bermudagrass (*Cynodon dactylon*), guava (*Psidium guajava*), honohono (*Commelina diffusa*), koa haole (*Leucaena leucocephala*), and lantana (*Lantana camara*).

Built Environment

The project area lot is completely developed and contains two one-story commercial buildings with the remainder paved over with asphalt and concrete. The buildings have been constructed of Concrete Masonry Unit (CMU) block and a CMU block retaining wall runs along a portion of the southern boundary of the property. Subsurface utilities are present throughout the property with utility boxes located along Avocado Street.

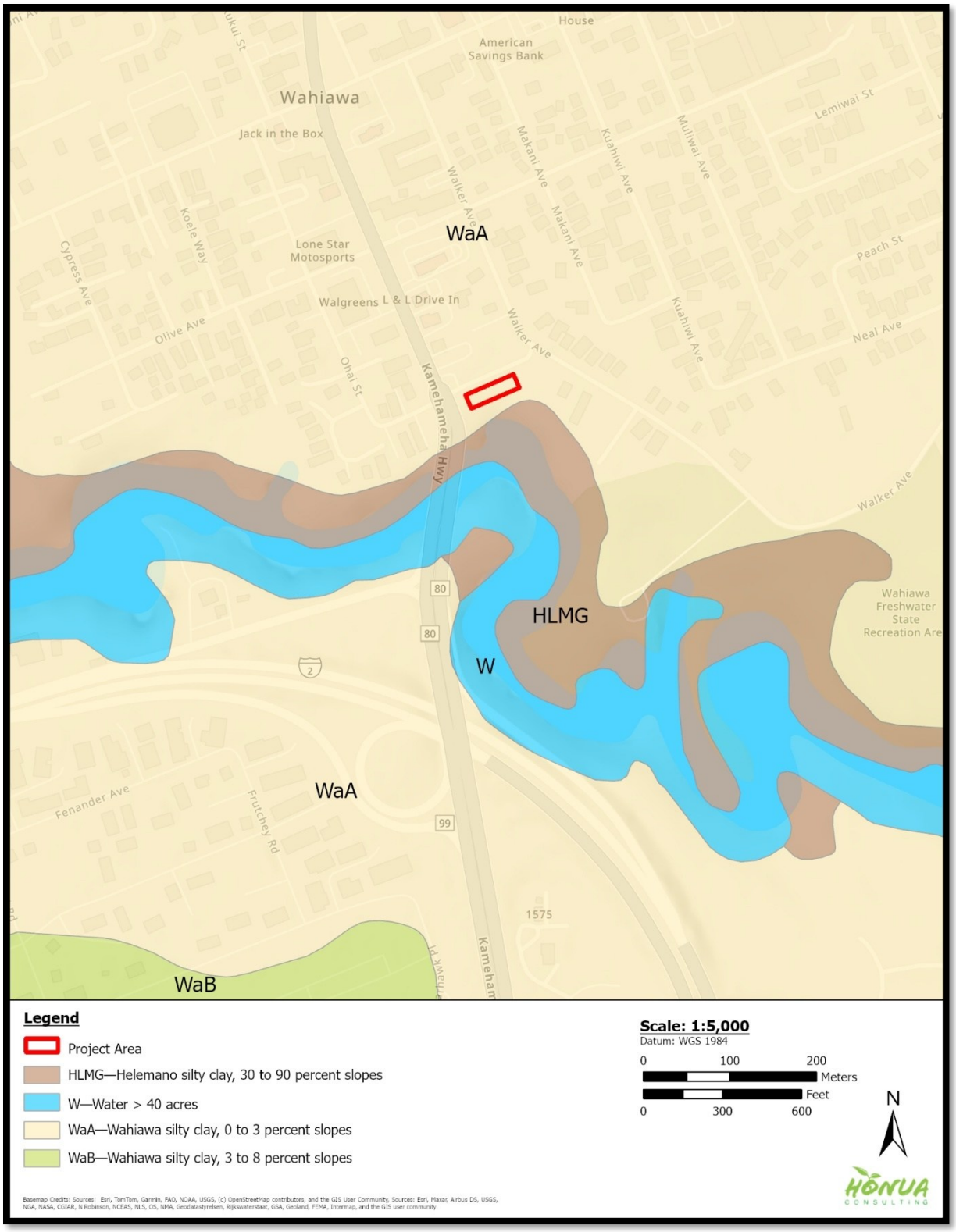


Figure 4. Portion of a 2013 USGS topographic map with soil series overlay showing anticipated soils within the project area (Foote et al. 1972)

Traditional and Historical Background

Background research was conducted using materials obtained from the State Historic Preservation Division (SHPD) library in Kapolei and the Honua Consulting database. On-line materials consulted included the Ulukau Electronic Hawaiian Database (www.ulukau.com, Soehren 2002-2019), Papakilo Database (www.papakilodatabase.com), the State Library on-line (http://www.librarieshawaii.org/ Serials/databases.html), and Waihona ʻAina Mahele database (http://www.waihona.com). Hawaiian terms and place names were translated using the on-line Hawaiian Dictionary (Nā Puke Wehewehe ʻŌlelo Hawaiʻi, www.wehewehe.com) and *Place Names of Hawaii* (Pukui et al. 1974). Historic maps were obtained from the State Archives, State of Hawaiʻi Land Survey Division website (http://ags.hawaii.gov/survey/map-search/), and UH-Mānoa Maps, Aerial Photographs, and GIS (MAGIS) website (http://guides.library.manoa.hawaii.edu/magis).

Maps were geo-referenced for this report using ArcGIS Pro desktop. GIS is not 100% precise and historic maps were created with inherent flaws; therefore, geo-referenced maps should be understood to have some built-in inaccuracy.

Traditional Background

The history of Hawaiʻi is recorded through moʻolelo (oral-historical accounts) and early historical (i.e., written) records, historic maps, and land documents. The following provides a brief summary of moʻolelo and inoa ʻāina (place names) of the area, and describes how the land has been utilized over time. Relevant place names in the vicinity of Wahiawā are presented in Table 1.

The project area is located within the district of Wahiawā. Traditionally, Wahiawā was considered part of the Waialua moku, although the boundaries in the area underwent a number of geopolitical changes in the 19th and 20th centuries. Wahiawā is a traditional name, although there were other place names in the area that have largely been lost. Nonetheless, Wahiawā has a rich and interesting cultural history, and many moʻolelo and legends are associated with it. Wahiawā is translated as "place of noise" as it was said that the sound of the waves could be heard from the area (Pukui et al. 1974:218). During this period, the place names Līhuʻe and Leilehua were still used as the names of the area. Līhuʻe ("cold chill") is only now rarely used in reference to the area, as the name is more commonly associated with the capital city of Kauaʻi County (Pukui et al. 1974:132). Leilehua ("lehua lei") is only rarely used, although the name remains in use by the U.S. Military for its nearby golf course and club house (Pukui et al. 1974:131).

Wahiawā covers an area from the crest of the Koʻolau Mountains to the center of the plateau just west of the junction of the north and south forks of Kaukonahua Stream and is the name of the general area of the central plateau and the inland portion of Kamananui Ahupuaʻa. The Kaukonahua Stream begins in the mountains and flows northward to the ocean at Waialua. It is comprised of a north fork and a south fork with a total length of 33 miles, making it the longest waterway in the islands (Pukui et al. 1974:92). Wahiawā town is located between the north and south forks of Kaukonahua Stream. An explanation of the name Kaukonahua by Pukui et al. (1974:92-93) states that "according to one explanation the name means 'place his testicles' (a man's testicles were cut off here so that he could leap). A more likely explanation is Kau-kōnāhua (place fatness)". Poamoho Stream is another major waterway in the area and forms the northern

Table 1. List of Inoa ʻĀina (Place Names) in Wahiawā Ahupuaʻa Referenced in This Report

Inoa ʻĀina	Description
ʻEwa	Land division and district, plantation town, elementary school meaning "one-sided, crooked, out of shape, imperfect, to cause not to fit, ill fitting, incorrect, or unjust", also used as a directional term (Pukui et al. 1974:28, Pukui and Elbert 1986:42)
Helemano / Halemano	A stream, an elementary school, a ditch, a reservoir, and camps meaning "many snared or many going" (Pukui et al. 1974:44)
Kamananui	Land section and ditch, Schofield Barracks, a forest grove here was called Pō-loa (long night), meaning "the large branch" (Pukui et al. 1974:80)
Kaukonahua	Gulch and stream, meaning "place his testicles (a man's testicles were cut off here so that he could leap)", or more likely Kau-kōnāhua (place fatness)" (Pukui et al. 1974:93)
Kuaʻikua	Located in Halemano, a sacred spring only those related to the supernatural ones who made and hid it are allowed to bathe in it" (Ke Au Hou 1910, quoted in Sterling and Summers 1978:112)
Kūkaniloko	Name for stones near Wahiawā where royalty gave birth, also the name of an ancient chief (Pukui et al. 1974:121)
Leilehua	Plains, village, high school, and golf course, Wahiawā area, famous for training in lua fighting, site of present Schofield Barracks, meaning "lehua [ʻōhiʻa lehua, *Metrosideros polymorpha*] lei" (Pukui et al. 1974:131)
Līhuʻe	Former land division near Schofield Barracks meaning "cold chill" (Pukui et al. 1974:132)
Poamoho	A stream, trail, and camp (Pukui et al. 1974:185)
Wahiawā	Land section, district, city forest reserve, fishing area, homesteads, ditch, reservoir, schools, botanical gardens, and recreation center meaning "place of noise" (Pukui et al. 1974:218)
Waialua	Land division, peak, village, valley, mill, town, railroad, bay, beach park, recreation center, district, golf course, reservoir, and elementary and high schools possibly meaning "two waters" (Pukui et al. 1974:220)
Waiʻanae	Land division, town, valley, school, district, and homesteads and district meaning "mullet water" (Pukui et al. 1974:220)
Waiʻanae Uka	Ahupuaʻa meaning inland Waiʻanae

boundary of Wahiawā. Kuaʻikua is the name of a place and a stream in upper Helemano; and located outside of the Wahiawā area. The stream is fed by a "sacred spring and only those related to the supernatural ones who made and hid it, are allowed to bathe in it" (Ke Au Hou 1910, quoted in Sterling and Summers 1978:112). Two of the ancient chiefs of Oʻahu, Haho and Lana-ka-wai, were born at the kawa[1] of Kuaʻikua. Of the birth of Lana-ka-wai, Kamakau (1867 [1991:101]) writes:

> Lana-ka-wai … was born at the kawa of Kuaʻikua in Wahiawā, Oʻahu. There is a flat rock there where his mother, Mahuia, squatted and gave birth to him; he floated on the water and so was given the name of Lana-ka-wai.

Like many other areas of Oʻahu, the flat riparian lands along the streams were modified and terraced for loʻi (pond fields) and other crops. In *The Hawaiian Planter Vol. 1* E.S. Craighill Handy makes note of the extent of the former terraces in the Wahiawā area as follows:

> According to Oscar Cox there were terraces at Kanaku and at Kuaikua, both of which are somewhere in the vicinity of Kukaniloko. According to old Mahoe there were numerous terraces on the level uplands in the vicinity of Wahiawa town, irrigated by a ditch bringing water from Helemano Stream. However, this is impossible, since Poamoho Stream intervenes. The chiefess, Lanikaha built terraces inland in Helemano. There were small terraces in all the inner valleys.
>
> Wahiawa Stream irrigated extensive terraces on the flats both immediately above and below the town and also about 2 miles inland. Some of these terraces are planted in truck now, but most are neglected. It is said that there were numerous small terrace areas from 3 to 4 miles upstream in Wahiawa and its tributaries, Waimano and Manana.
>
> At Kaniula, where the waterworks are now, Hawaiians had a dam from which ditches led to Wahiawa terraces, some of which were near the site of the present radio station (Handy 1940 quoted in Sterling and Summers 1978:138)

Along with Līhuʻe in ʻEwa in the eastern foothills of the Waiʻanae Range, Wahiawā on the western slopes of the Koʻolau Range was an area known as the home of chiefs. The chiefs of the area are described by Samuel M. Kamakau in *Ka Pōʻe Kahiko: The People of Old* as such:

> The chiefs of Lihue, Wahiawa, and Halemano on Oahu were called *Lo* chiefs, *poʻe Lo Aliʻi* ["people from whom to obtain a chief"], because they preserved their chiefly kapus. They lived in the mountains (*i kuahiwi*); and if the kingdom was without a chief, threre in the mountains could be found a high chief (*aliʻi nui*) for the kingdom. Or if a chief was without a wife, there one could be found – one form chiefly ancestors (Kamakau 1964:5)

The birth of chiefs took place at Kūkaniloko, an important complex of stone boulders located northwest of Wahiawā town. It is one of only two places in the island chain known for the birthing of chiefs. Kūkaniloko had a companion heiau, Hoʻolonopahu which heralded the arrival of the new

[1] Pukui and Elbert (1986:139) define kawa as "leaping place, as a precipice from which a swimmer leaps into a pool."

chief. It has since been destroyed and was planted in pineapple through much of the 20th century. Several historic accounts describe the founding and traditions associated with Kūkaniloko. The first narrative description of the location and founding of Kūkaniloko was written by Abraham Fornander in *An Account of The Polynesian Race Its Origin and Migrations and the Ancient History of the Hawaiian People to the Times of Kamehameha I Vol. II* and is included below:

> I am led to assume, therefore, that *Nanamaoa* was the first of his family who arrived from one or the other of the southern groups and established himself on the Hawaiian group. His son, *Nanakaoko,* was a chief of considerable note on the island of Oahu. He and his wife, *Kahihiokalani*, are by the oldest, and by all legends, acknowledged as having built the famous and in all subsequent ages hallowed place called *Kukaniloko*, the remains of which are still pointed out about three-fourths of a mile inland from the bridge now crossing the Kaukonahua stream in Ewa district, island of Oahu. Chiefs that were born there were "born in the purple" and enjoyed the distinction, privileges, and tabus which that fact conferred. So highly were those dignities and privileges prized, even in latest times, when the ancient structure and surroundings had fallen in decay, that Kamehameha I., in 1797, previous to the birth of his son and successor, Liholiho K. II., made every arrangement to have the accouchement take place at Kukaniloko; but the illness of Queen Keopuolani frustrated the design. (Fornander 1880:20-21)

Thomas Thrum also provides a narrative description of the founding of Kūkaniloko in the 1912 *Hawaiian Annual* as follows:

> While this origin may be lost to us, the tradition of its recognized eminent virtue has come down by various native authorities which traces it back to about the opening of the twelfth century.
>
> One early writer (Kuokoa Vol. IV, No. 31) gives the following descriptive account of its origin and purpose:
>
> There were two famous places for the birth of children of tabu chiefs, viz., Holoholoku at Wailua, Kauai, and Kukaniloko at Waialua, Oahu. These birth places were thought to add some special divine gift to the sacred place already occupied by a tabu chief.
>
> Kukaniloko was made or established by Nanakaoko and his wife Kahihiokalani as the place for the birth of their son Kapawa. A row of stones was laid down on the right hand and another on the left hand, and the face was to the right side. There stood thirty-six chiefs, eighteen on each side. A hill or mound was made for the back. Kukaniloko was the stone to be trusted. If any one came in confident trust and lay properly upon the supports the child would be born with honor. It would be called a chief divine; a burning fire.
>
> When the child was born, it was quickly taken inside the Waihau of Hoolonopahu. There were forty-eight chiefs to whom belonged the duty of the birth ceremonies of cutting the naval cord.
>
> The south side of Kukaniloko was a furlong and a half, and on the western side two furlongs. There the tabu drum of Hawea was sounded, signifying that a chief

> was born. On such occasions the common people assembled on the east side of the stream – a thousand of them (a mano), on that side of Kuaikua. On the south side were the servants. (Thrum 1911:102-103)

Due to its prestige, several notable figures in Hawaiian history were born at Kūkaniloko. They are described by Thrum (1911) below:

> "Mailikukahi, one of Oahu's most beneficent rulers, son of Kukahiaililani and Kokalola, is said to have been born at Kukaniloko, and thus enjoyed the prestige and tabu attached to all who were born at that hallowed place." (Fornander 1880) He is credited with marking definite boundaries between the neighboring chiefs and landholders; with enacting a code of laws in which theft and rapine were punishable with death; also that all first-born male children should be handed over to the Moi to be brought up by him and educated. While peacefully disposed, he proved a brave defender of his envied realm in thoroughly defeating an invading force of Hawaii and Maui raiders in a sanguinary battle which began at Waikakalaua and continued from there to Kipapa gulch, where the invaders were vanquished, and the gulch is said to have been literally paved with the corpses of the slain., from which circumstance the name "Kipapa" applies.
>
> Kukaniloko, one of the daughters of Piliwale (a grandson of Mailikukahi) and Paakanilea, his wife, succeeded him in a successful reign of peace and prosperity. Her birth-place is not stated, but she is referred to as a powerful chiefess, her husband being Luaia, a Maui chief, grandson of Kukaalaneo.
>
> Kalaimanuia followed her mother, Kukaniloko, as Moi of Oahu. She was born at Kukaniloko, the famous birth-place of Hawaiian royalty.
>
> Kakuhihewa, who became one of the great kings of Oahu, was also born at Kukaniloko, the account of which is more specific than the others. He is said to have been born "in the sleeping place consecrated by the tabu of Liloe. From thence he was taken to Hoolanopahu by his grandfather Kanehoalani. Forty-eight chiefs of the highest rank were present at the ceremony of cutting the naval-string of the new-born chief, and the two sacred drums named Opuku and Hawea announced the important event to the multitude. (Thrum 1911:104-105, portions quoted from Fornander 1880)

The significance of Kūkaniloko was recognized in the late 1800s and early 1900s and efforts were made to preserve and protect the stones. A narrative description by Thrum (1911) of the location and layout of the stones and the condition of the site at that time is included below:

> Instead, the searcher will find a scattered lot of large stones, most of which are deeply embedded in the earth, and several of which are flat surfaced, even with the ground. These are in an area of about one hundred square feet and within the past few years have been protected by a wire-fenced enclosure perhaps twice the size, for preservation as the historic landmark that it is. Credit for this action is said to belong to Mr. W. W. Goodale, manager of the Waialua Agricultural Company.

> Amid a group of three or four of the more prominent of these stones is one standing, tongue-shaped, measuring a little over five feet in height by two and one-third feet in width, that has been supposed by many was the famous stone in question from its weather-worn condition, but an aged native familiar with the locality and its traditions, says, it was brought from elsewhere a number of years ago by the late George Galbraith and set up there. It is clearly a different quality of lava rock than predominates the vicinity. Facing this stone, westward, is one of the largest, deeply imbedded in the ground, the upper surface of which has rudely-shaped depressions fitting the human form… (Thrum 1911:102)

Kūkaniloko, State Inventory of Historic Places (SIHP) #50-80-04-218, was added to the National Register of Historic Places (NRHP), as NRHP #73000674 in 1973. The site area was expanded to 5 acres in 1995 and relisted on the NRHP as #94001640. Recently efforts have been made with the Wahiawā community, the DSP, the DLNR, and the Office of Hawaiian Affairs (OHA) to pursue community informed management plans for Kūkaniloko and the surrounding land. The site currently operates as the Kūkaniloko Birthstones State Monument (Yent 1999).

Like Kūkaniloko, Helemano (alternatively Halemano) is located outside of the Wahiawā area (to the north) but its significance as a traditional locale warrants mention. The traditions of Helemano relate to cannibalism. This was "a beautiful and retired rural spot ... [lying] between two deep ravines ... its area embraces several hundred acres, verdant and picturesque, but now regarded with superstitious dread, from once having been the rendezvous of a clan of cannibals" (Jarves 1844:72) under the rule of the chief ʻAi-kanaka (man-eater). A 19th century account (Ka Hae Hawaii 1861) recounts:

> There is a tale of a certain people who lived long ago up at Halemano in Waialua. They were known to roast and eat any person who went there as a stranger. The house site of their chief, whose name was Kalo, is pointed out and a flat, smooth stone called Kalo's meat dish that lies there to this day. It is away up in the mountain of Halemano. The land is on a high place surrounded by deep valleys and the trail leading to it is steep. There Kalo lived with his people. There also is a heiau site ten fathoms long and seven fathoms wide. Between the heiau and house site is the imu pit where people were roasted. Below that, about 13 or 14 chains away, lies Kalo's meat dish.

Beckwith (1940 [1970:340-342]) summarizes other versions of this story, including some that incorporate the place and person of Oʻahunui.

Oʻahunui is a place located to the south of present Wahiawā town. It was once the residence of the kings of Oʻahu, but was abandoned during the reign of the sovereign chief, Oʻahunui, who was turned to stone when he became a cannibal and ate the two sons of his brother-in-law, Lehuanui (Nakuina 1897:90). Oʻahunui is also described as a village in the story of a woman who travels the island in search of her lost tapa-beater (Ke Aloha Aina 1919).

In 1783, in battles for the control of the island, the Maui chief Kahekili defeated the forces of Oʻahu. The Oʻahu chief Kahahana and his wife and a friend escaped and hid in the mountains for over two years (Kamakau 1867 [1961:136-137]). "They … thought it better to go up to Oahunui at Wahiawa and so they went to the forest of Halemano" (Ke Au Hou 1910).

Historical Background

Wahiawā in the Early Post-Contact Period

There is little known about the central Oʻahu plateau in the early years following contact and the beginning of the 19th century. The sandalwood trade boomed in the 1820s when chiefs were allowed to participate in the market. The fragrant sandalwood, a major export for the Chinese market, was a common forest tree in the central plateau. Kamakau (1870 [1964:207]) writes "at the completion of the fort [at Honolulu in 1816] Ka-lani-moku and all the chiefs went to work cutting sandalwood at Wahiawā, Halemano, Puʻukapu, Kanewai, and the two Koʻolaus. The largest trees were at Wahiawā, and it was hard work dragging them to the beach." As the wood became increasingly scarce, one method of collection was to set fire to the forest and trace the sandalwood by its fragrant odor (Bishop 1916:45).

The earliest historic account of Wahiawā was written by Sereno Bishop (1916), who in the 1830s was a young man living at ʻEwa with his missionary family. The family would often travel across the island to visit the Waialua Mission Station:

> There was then no road save a foot path across the generally smooth upland. We forded the streams. Beyond Kipapa gulch the upland was dotted with occasional groves of Koa trees. On the high plains ti plant abounded often so high as to intercept the view. No cattle then existed to destroy its succulent foliage. According to the statements of the natives a forest formerly covered the whole of the then nearly naked plains. (Bishop 1916:45)

The "nearly naked plains" could have resulted from one or a combination of several possibilities. Ti was a Polynesian introduction, traditionally useful for its leaves and roots. Cuddihy and Stone (1990:32) note that "many of the forests in which these early introductions [including ti] predominate are probably successional after Hawaiian cultivation." If so, the extent of ti plant on the central plateau could represent the after-effect of Hawaiian agriculture in the uplands. It is also very likely that the "nearly naked plains" were a direct result of sandalwood collection years earlier.

The Māhele (1847-1855)

In the years between 1847 and 1855, the lands of Hawaiʻi were divided under the Māhele. Prior to Western contact, all land in the Hawaiian Islands was held by the chiefs as descendants of the gods—no one owned the land. After Western contact, some foreigners were granted gifts of land for services to Kamehameha I and/or his heirs. With a growing number of foreigners arriving and establishing business interests or in service of the mission stations, many petitioned for fee-simple title to land upon which they lived or worked. In 1848, Kauikeaouli-Kamehameha III agreed to the Māhele ʻĀina, which defined the land interests of the King, some two hundred and fifty-two high-ranking Aliʻi and Konohiki (including several foreigners who had been befriended by members of the Kamehameha line), and the Government.

As a result of the Māhele, all lands in the Kingdom of Hawaiʻi and associated fisheries came to be placed in one of three categories: (1) Crown Lands (for the occupant of the throne); (2) Government Lands; and (3) Konohiki Lands. The "Enabling" or "Kuleana Act" of the Māhele (December 21, 1849) further defined the framework by which hoaʻāina (native tenants) could

apply for and be granted fee-simple interest in "Kuleana" lands (cf. Kamakau, 1961:403). The Kuleana Act reconfirmed the rights of hoa'āina to: access, subsistence and collection of resources from mountains to the shore, which were necessary to sustain life within their given ahupua'a. Though not specifically stated in this Act, the rights of piscary (to fisheries and fishing) had already been granted and were protected by earlier Kingdom laws. Land Commission Awards (LCAs) were awarded to natives who actively lived on and worked their lands and generally contained information on how the land was utilized and its contents.

During the Māhele, the land now known as Wahiawa town was retained by the Hawaiian Government as Crown Land. Due to this, no LCAs were awarded in the area during the Māhele. Later, Wahiawa including the project area was transferred to the Board of Education.

Boundary Commission

Land ownership was a new concept to Hawaiians and legal proceedings for delinquent rent and foreclosure were common in the decades following the Māhele 'Āina. These types of legal actions coupled with the effects of introduced diseases displaced native Hawaiians and helped fuel the decline of the native population of O'ahu. At the same time there was a growing movement to fence off land areas and control access to resources which native tenants had traditionally been allowed to use. By the 1860s, foreign landowners and business interests petitioned the Crown to have the boundaries of their respective lands—which were the foundation of plantation and ranching interests—settled. In 1862, the king appointed a Commission of Boundaries, a.k.a. the Boundary Commission, whose task was to collect traditional knowledge of place, pertaining to land boundaries and customary practices, and determine the most equitable boundaries of each ahupua'a that had been awarded to ali'i, konohiki, and foreigners during the Māhele. The commission proceedings were conducted under the courts and as formal actions under the law[2] (Thrum 1890:117-118).

As the commissioners on the various islands undertook their work, the kingdom hired or contracted surveyors in the early and mid-1870s to begin the surveys. Following the boundary surveys, the Commissioners of Boundaries certified the boundaries for the lands brought before them. This resulted in an 1876 Hawaiian Government Survey Map of central O'ahu by W.D. Alexander showing Wahiawa and the vicinity. The map indicates that the project area is within a 1,487 acre area leased to W.C. Jones by the Board of Education in 1875 and shows the W.C. Jones homestead nearby (Figure 5).

[2] W. D. Alexander in Thrum's Hawaiian Annual, 1891:117–118.

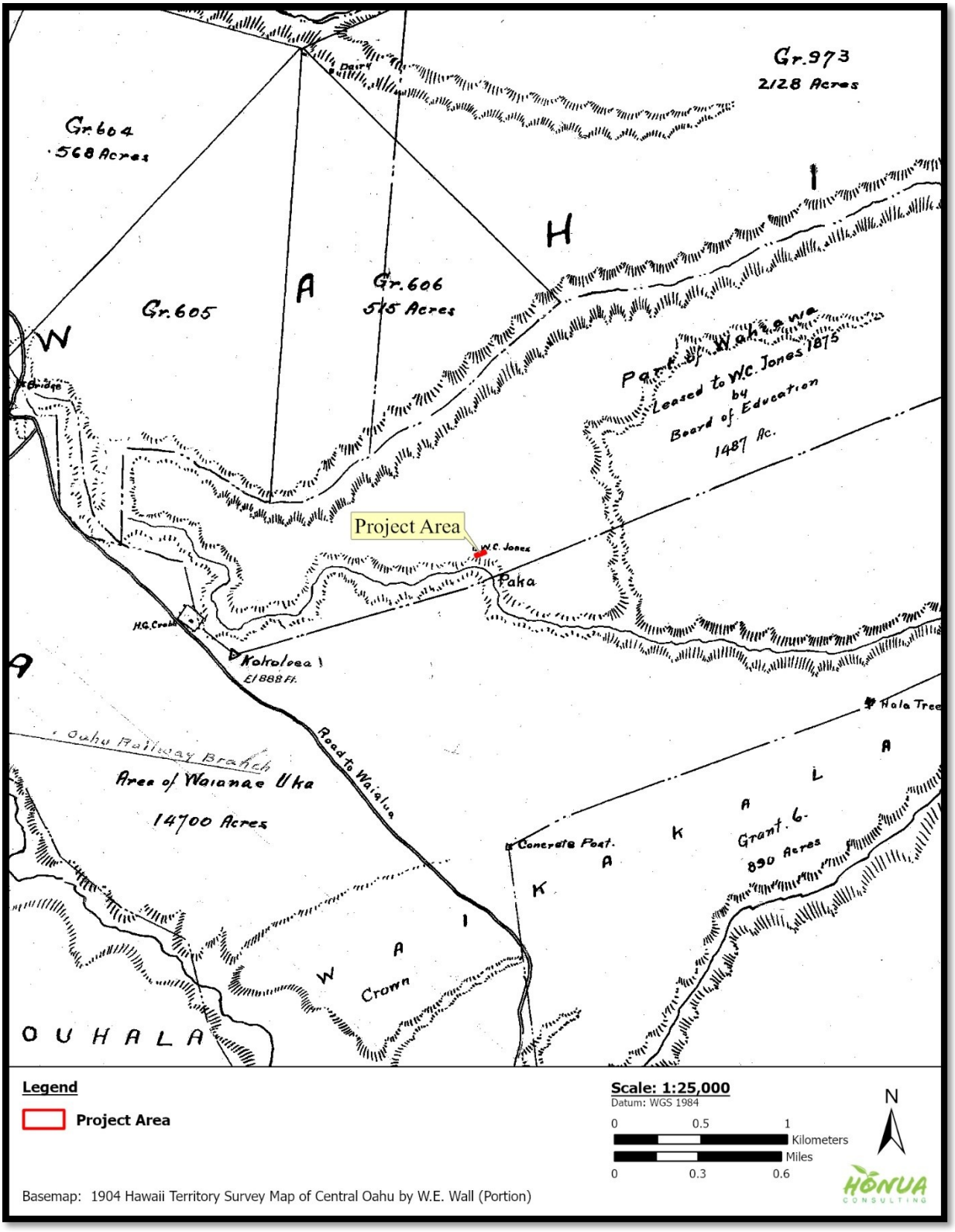


Figure 5. Portion of a 1904 Tracing by W.E. Wall of a 1876 Hawaiian Government Survey Map of Central O‘ahu by W.D. Alexander showing the project area (red) within the lands of Wai‘anae Uka (Registered Map 399, Alexander 1876)

Mid to Late 19th Century Development of Wahiawā

It is well established that the U.S. military and other officials coordinated with Kingdom residents and foreigners in 1893 to "overthrow" the sovereign Kingdom of Hawai'i. Many Hawaiians continue to consider this overthrow an "illegal" action and a violation of the many treaties held by the sovereign Kingdom at the time. This position is supported by the passage of the 1993 Apology Resolution passed by the U.S. Congress in 1993 on the 100-year anniversary of the overthrow.

The overthrow was led by a group who named themselves the "Citizen's Committee of Public Safety". They would later change their name to "The Committee of Safety." This group was also known as the "Annexation Club" in reference to their strong advocacy for the annexation of Hawai'i to the United States. The members of this group included Henry E. Cooper, Theodore F. Lansing, Henry Waterhouse, Lorrin A. Thurston, Ed Suhr, F.W. McChesney, John Emmeluth, Wm. R. Castle, Wm. O. Smith, J.A. McCandless, C. Bolte, W.C. Wilder, and Andrew Brown.

After the overthrow, the individuals who orchestrated the coup d'état self-proclaimed themselves to be in charge of the government and established the "Republic of Hawai'i." They then "ceded" 1.8 million acres of land set aside as Crown[3] and Government Lands[4] through the Māhele to themselves and quickly set out to sell these lands for their own gain.

The Republic of Hawai'i, led by Committee of Safety member Sanford Ballard Dole, implemented a plan to sell off the Crown and Government Lands as agricultural homesteads. To achieve this, the Republic of Hawai'i passed the Land Act of 1895, which resulted in the repealing of the 1865 Kingdom Law and allowed the Crown Lands to be sold. The law allowed only citizens to apply and excluded most "Orientals" from citizenship, limiting the distribution of these homestead lots to only Hawaiians and Westerners. (Act of August 14, 1895, Act 26, 1895: 49-83). Approximately 46,594 acres were removed from the ceded lands sold by the Republic between 1895 and 1898. The annexed lands included Wahiawā, which later became agricultural homesteads and Wahiawā town and the crown lands of Wai'anae Uka.

Byron Orlando Clark, originally from Iowa, was an official with the Republic. He advocated for agriculture in the now-vacant 1,350 acres of land in Wahiawā starting from 1898. It was Clark who lobbied for business associates from California to move to the homestead lands. By 1899, Clark had completed facilitating the issuance of government grants to the Californians and helped them settle in Wahiawā and obtain the citizenship needed for land acquisition. It is for these early colonialists that California Avenue is named. The area was divided into 13 lots and would become known as the Wahiawa Colony Tract, an area roughly bounded by the north and south forks of Kaukonahua Stream (Nedbalek 1984:19).

[3] These were lands Kamehameha III awarded to himself in the Māhele.

[4] These were lands issued to the Kingdom in the Māhele.

20th Century Development of Wahiawā

At the turn of the century several sugar plantations and mills were established in the vicinity of Wahiawā and Waialua. The first was the Waialua Agricultural Company, Ltd. formed by Castle and Cooke in 1898 and centered in Waialua. A mill was constructed that same year and the first crop was harvested in 1899. Byron Clark, along with Alfred W. Eames, began planting and harvesting pineapple in the homestead lands in 1900. Eames would quickly establish the Hawaiian Island Packing Company, which would later become pineapple and agricultural giant Del Monte Fresh Produce (Hawaii), Inc. They constructed a cannery at Wahiawa in 1902.

Also, in 1900, James D. Dole (cousin to Sanford B. Dole), obtained approximately 60 acres of homestead lands in Wahiawā. He would quickly set to work building a plantation that included a cannery. Both would become operational by 1903. This significantly contributed to the initial success of the colony (Nedbalek 1984:25). Mr. Dole himself wrote an account of those early days of the pineapple business in Wahiawā for *The Honolulu Star Advertiser* in 1939 (Dole 1939: 17):

> In 1901 the Hawaiian Pineapple Co. had no cannery, no pineapple machinery, no tractors, automobiles or trucks. For a plantation it had very few acres at Wahiawa, a few plants and a promised lease of 300 acres.
>
> We had a plow, harrow and three horses. We had a name, but almost no money, and for two years the manager got no salary.
>
> Readers will be surprised to know that at Christmas time in 1901 the company employed only four people. I was manager, Fred Tracy was teamster and two Chinese men worked in the fields.
>
> Our first pineapples went to Honolulu in a wagon, and Tracy and I peddled them to the Honolulu fruit stores. Our first canning was done in 1903, and that year we packed 1,893 cases. How many minutes are required to pack 1,893 cases now [in 1939]?
>
> There was no railroad in Wahiawa. The road was direct, dust, or mud. Three hours to Wahiawa; five, if we went by buggy or horseback.
>
> One thing we had – an idea; to grow a good pineapple, to can it well and to sell it to every grocery store in the United States, every day in the year.
>
> Now [1939], people everywhere want our pineapple. The money people pay for our pineapple pays for cans, sugar, boxes. More important, it gives the company money to pay the people who do the plantation and cannery work.

The Wahiawa Dam was constructed by the Waialua Agricultural Company in 1906 and created a seven-mile-long reservoir now known as Lake Wilson which was instrumental to the growth of the plantations and Wahiawa town (Wilcox 1996). Another important 1906 milestone was the completion of the OR&L line from Waipahu to Wahiawā which further transformed and provided access to the plateau. The growers were desperate. It was a railroad or close the doors. Mr. James D. Dole, backed by the Wahiawā colonists, was overly aggressive in the struggle to bring the railroad into Wahiawā. Finally in 1905 it was decided to put the railroad through. The actual construction was finished in July 1906 to the gate of Wheeler field; the bridge to Wahiawā was put in the next year.

The OR&L railway was pioneered by Benjamin Franklin Dillingham and was constructed in 1889 from Honolulu to the ʻEwa Plains and beyond. The railroad reached the Ewa Sugar Plantation in 1892, the Waianae Plantation in 1895, the Waialua Mill in 1898, and Kahuku by 1899. A portion of the OR&L railroad from Waipahu to Wahiawā mentioned above runs through the western portion of the current project area and includes trestle foundations for the former rail bridge crossing the south fork of Kaukonahua Stream.

A total of 175 miles of track was laid for the railroad, with a tremendous effect on the economic development of Oʻahu and Hawaiʻi as a whole (Cummins 1974; Knaus 1983). This ensured reliable transport of pineapple from the Wahiawā fields to the Honolulu canneries. Eventually, railspur lines were extended to outlying fields and workers' camps. The *Honolulu Advertiser* (1939) wrote of the importance of the railway to the pineapple industry:

> "The Oahu Railway was the savior of the Wahiawa pineapple industry in its early days," declared Harry N. Denison, kamaaina railroad man and now assistant general manager of the Oahu railway. Mr. Denison came here in 1897 and has been with the railroad more than forty years, working up from car repair man.
>
> The cannery, established in 1903, was successfully preserving the fruit, but during the long trip to Honolulu the penetration by the red dust made much of it worthless.

Within ten years, the homesteaders, including Clark, had grown a thriving pineapple industry with more than 250,000 cases being harvested seasonally (Pan-Pacific Union 1911:139). Thousands of acres were in production and Wahiawā had become the center of a fast growing industry (Nedbalek 1984:25). Clark would lead Clark Farm Co., Ltd. Dole would lead the Hawaiian Pineapple Company, which would become Dole Food Company. W.B. Thomas, a colleague of Clark's, would establish and lead the Thomas Pineapple Co., which would later become part of Libby, McNeill & Libby when the company expanded into canning fruit. The Thomas plantation consisted of approximately 600 areas in Wahiawā. The plantations would bring many immigrant laborers to the area. While many were still prohibited under the 1895 Land Act from applying for homestead lands themselves, they nonetheless moved into the area, often in plantation housing, and built their lives in Wahiawā.

It was written: "The best pines [pineapples] come from Wahiawa. The Consolidated Pineapple Co., a branch of the Hawaiian Development Co., maintains its canning factory in the midst of the biggest pineapple field in the world, at Wahiawa, and here the fresh fruit may be picked early every morning and canned in its own juice before night. This is the only company at Wahiawa that cans in the field." (Pan-Pacific Union 1911:139).

Historical accounts identify Wahiawā as its own stand-alone district beginning in 1913, when both Wahiawā and Waiʻanae Uka would be merged and made its own district, independent of the other island moku. An account by Coulter (1935) from *A Gazetteer of the Territory of Hawaii* explains:

> No changes were made (after 1909) until 1913 and then only with respect to Oahu when a new district was created, that of Wahiawa, in which the ahupuaʻas of Wahiawa and Waiʻanae Uka were taken from Waialua to form this new and seventh district of Oahu. In 1899, a tract of some 1320 acres of Wahiawa, formerly in pasture, was subdivided into agricultural homestead lots and by 1913 quite a

community had developed in this section whose aspirations for independence from Waialua district was met by the creation of a new district.

In 1925, the third edition of the Revised Laws, containing all laws up to that date, was enacted. In the session laws of that year, the district of Wahiawa on Oahu was expanded on its north and south sides by taking respectively from Waialua and Ewa, large irregular tracts of land, but as very little attention was paid to the new boundaries in the operation of the law, it is unnecessary to recite the revisions description. It can be found in Act 13, Session Laws of 1925.

In the special sessions of 1932… The incongruous boundaries of Wahiawa on Oahu created in 1925 were abrogated and the district restored to its boundaries of 1913, to which were added small tracts of land in Ewa and Waialua acquired by the United States and included within the Military Reservation of Schofield Barracks. (Coulter quoted in Sterling and Summers 1978:134).

The growth of the plantations and military installations in the area facilitated rapid residential and commerical growth in Wahiawā during the first half of the 20th century. Due to its location near the rail depot, Cane Street became the business center of Wahiawā.

In the 1920s, much of the area now included in military lands in Wahiawā was under pineapple cultivation and the Galbraith Spur connected the OR&L line to the fields, passing close by the Kaukonahua Camp. Wahiawā also became known for its "healing stones" in the 1920s and it was written that people would come from all over the island to visit them (Figure 6). The origin and significance of the stones is described by William Galbraith in the December 6th, 1927 edition of *Honolulu Star-Bulletin* as quoted by Sterling and Summers (1978) in *Sites of Oahu*:

The main "healing" stone at Wahiawa which has been attracting thousands of pilgrims daily because of the purported recent discovery of its miracle-working powers, has no magic strength, according to William Galbraith of Kalihi, who has identified the rock as the headstone marking the burial plot of one of Hawaii's oldest and most powerful chieftains.

Galbraith says that the stone was moved from the Galbraith estate, where it stood for 45 years, as a sacred landmark on a spot approximately one mile from the present shrine. … [George Galbraith] one of the earliest ranchers and taro planters of the territory, a true friend of the Hawaiians, who moved the Wahiawa stone from the river bed and placed it as a marking spot in honor of Hawaii's chieftains. [Near the Kukaniloko stones. E. S.] … Galbraith said the last words spoken by his great-uncle, George Galbraith, were a warning never to move the stone and never to touch or plow the land around it.

"I was a little boy on the ranch when my grand-uncle told me about the stone," William Galbraith said today. "I used to pass the headstone every day during my work. It stood on the flats in a plot which was thought to be the burial ground for an old Hawaiian ruler. The plot was frequently fenced in, but was broken down several times by wild steers. I do not remember the name of the chief. "I remember of my grand-uncle telling me how he had come across the rock in the river bed in a spot below the present government bridge on the lower side of Wahiawa dam. He told me how he and my father hauled it up to the Kukaniloko flats with a team of

oxen and placed it in the vicinity where the Hawaiian ruler was thought to be buried," Galbraith said.

Once or twice the headstone was whitewashed, Galbraith said, so that the Hawaiians, who respected it as a tribute to an old and honorable ruler, could see the rock for great distances, and so that it would shine in the moonlight.

"Not for a moment suspecting that the old Galbraith stone had been moved I took a trip the other day to see the so-called "healing stone" at Wahiawa. I recognized it at once." (*Honolulu Star Bulletin,* December 6th, 1927, as quoted in Sterling and Summers 1978:141)

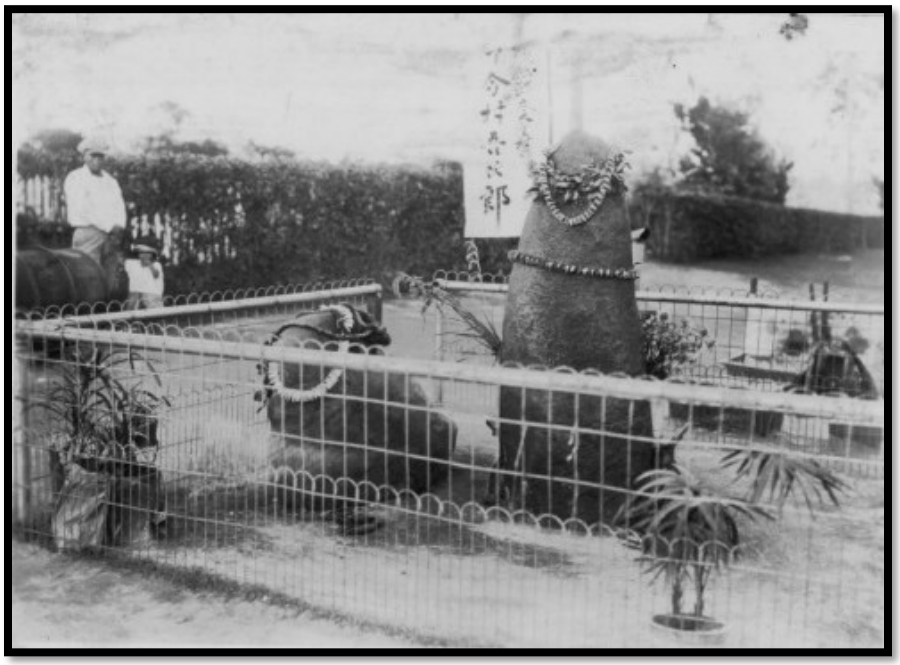


Figure 6. Photograph of the Wahiawa healing stones in the 1920s (Digital Archives of Hawai'i Photograph Collection, Call Number PP-37-10-016)

Interest in the stones gradually died out in the 1930s and they are still located in the Wahiawā cemetery today. Passenger rail service into Wahiawā ended in 1930 and the train depot operated as a café until it burned down in 1934. Rail service to Wahiawā ceased completely in 1939. The Wahiawa General Hospital was constructed in 1944 at the site of the old elementary school to serve the military community during World War II. Other important historic places in Wahiawā town included the former locations of the Victory Theater, the Wahiawa Hotel, and the Malu Kukui Hotel (all destroyed), as well as the Wahiawā Botanical Garden.

Following World War II, the population of Wahiawā decreased significantly due to the exodus of military personnel and downsizing of the nearby military installations. The town experienced another period of rapid development during the early years of the Cold War in the 1950s and 1960s. That was the general time period that many of the current buildings of the town were constructed (**Error! Reference source not found.**). Little change has occurred since that time, and Wahiawā still retains its rural historic character and charm. Today, the town serves as a tourist destination for visitors heading to the north shore. The attractions of the area include the Dole Plantation, the

Kūkaniloko Birthstones Monument, the Wahiawa Botanical Garden, and a host of eateries, bakeries, and farms.

Brief History of Military Development in the Vicinity of Wahiawā

The passage of the Land Act of 1895 by the Republic and the subsequent annexation of the Waiʻanae Uka crown lands in 1898 led to military development in central Oʻahu. The land for the Waianae Uka Military Reservation was appropriated in 1899 via Presidential Executive Order 1137. It wasnʻt until 1909 when the U.S. military began construction of the 17,730 acre Schofield Barracks to the west of Wahiawā town. Additionally, the 1,389 acre Wheeler Army Airfield was developed to the southwest of Wahiawā in the 1920s as a small, two-squadron operation and was greatly expanded in the 1930s. The east range training area of Schofield, located to the east of Wahiawā, includes air assault, land navigation, and various other training areas. Cultivation north of Wahiawā continued until 1940, when the U.S. Navy acquired a little over 389 acres for the establishment of a radio transmitter facility (Woodbury 1946:172-173):

> Almost at the center of the island, the Contractors were ordered to build a huge new radio station. A mile or so back of the village of Wahiawa the land swelled to a level hilltop – the highest ground for several miles. Wahiawa was to be the main receiving unit for the Pacific fleet – capable of picking up messages from the farthest corner of the ocean.
>
> The radio station … was to be as large as any in the world. A forest of wooden poles ranging in a complicated pattern over half a square mile of ground would support a grid of copper strands that could intercept signals no matter how weak from every direction. At the center all wires would be gathered together into cables and led to a vault deep underground, where the receiving instruments would be protected from any possible bombing raid.

Following the war, the facility was expanded by the addition of 304 acres to create the existing Naval Computer and Telecommunications Area Master Station, Pacific (NCTAMS PAC). In 2007, construction began on the Hawaiʻi Regional Security Operations Center (HRSOC) at NCTAMS PAC which replaced the Kunia Regional Security Operations Center (KRSOC). Over the years, the other installations have grown, and numerous infrastructure and improvements projects have been carried out in support of Schofield Barracks and Wheeler Army Airfield.

Land History and Development of the Project Area

No mo‘oleo or any other historical information was found regarding traditional use of the project area. No archaeological evidence has been found, and is likely that any traditional sites present were destroyed during modification of the area for commercial pineapple production. The project area is located within Wahiawā and was generally part of the lands of the central plateau cleared for sandalwood during the early historic period. During the Māhele, the land that would become Wahiawa town was retained by the Hawaiian Government as Crown Land. Later, the land was transferred to the Board of Education who leased it to W.C. Jones in 1875.

Due to passage of the the Land Act of 1895, Wahiawā including the project area was annexed by the Hawaiian Territorial Government in 1898. The area was divided into 13 lots and would become known as the Wahiawa Colony Tract, an area roughly bounded by the north and south forks of Kaukonahua Stream. The Wahiawa Colony Tract and its associated lots are shown in relation to the project area on an 1899 M.D. Monsarrat map of the public lands of Wahiawa and indicate the project area was located within Lot 1B (Figure 7**Error! Reference source not found.**). Later annotations on the map indicate Lots 1A and 1B of the Wahiawa Colony Tract were sold to Mary E. Clark by the Hawaiian Territorial Government as Land Grant 4616. Land Grant 4616 was sold to Mary E. Clark on September 2nd, 1902 for 925 dollars and consisted of approximately 195 acres of land.

A 1913 U.S. Army war map of the Wahiawa area shows the surrounding area under sugar cane cultivation by that time (Figure 8). The Clark Tract residential neighborhood including Avocado Street was constructed in 1916 and included a total of 86 lots. The project area was located within Lot 46, which measured 13,832 square feet (Figure 9). A 1927 U.S. Army Air Corps aerial photograph of the area shows the property undeveloped and forested at that time (Figure 10). The 1942 Sanborn Fire Insurance Co. maps of Wahiawa show no buildings within the project area at that time. Public records indicate that the project area was first developed between 1953 and 1955 with the construction of three commercial buildings on the property consisting of two one-story buildings and one two-story building. The lot was subdivided to its current square footage in 1968 and the property and surrounding area stayed relatively the same through the 1960s and 70s. (Figure 11 and Figure 12). The lot and buildings remained unchanged through the 1980s and 90s, and it has only been in the last 10 -15 years that changes to the property were made. This included demolishing the two story building on the property, construction of a CMU block addition to one of the buildings, and other alterations associated with fires on the property. As of now the buildings on the property are vacant and abandoned with squatters living and dumping garbage at the property.

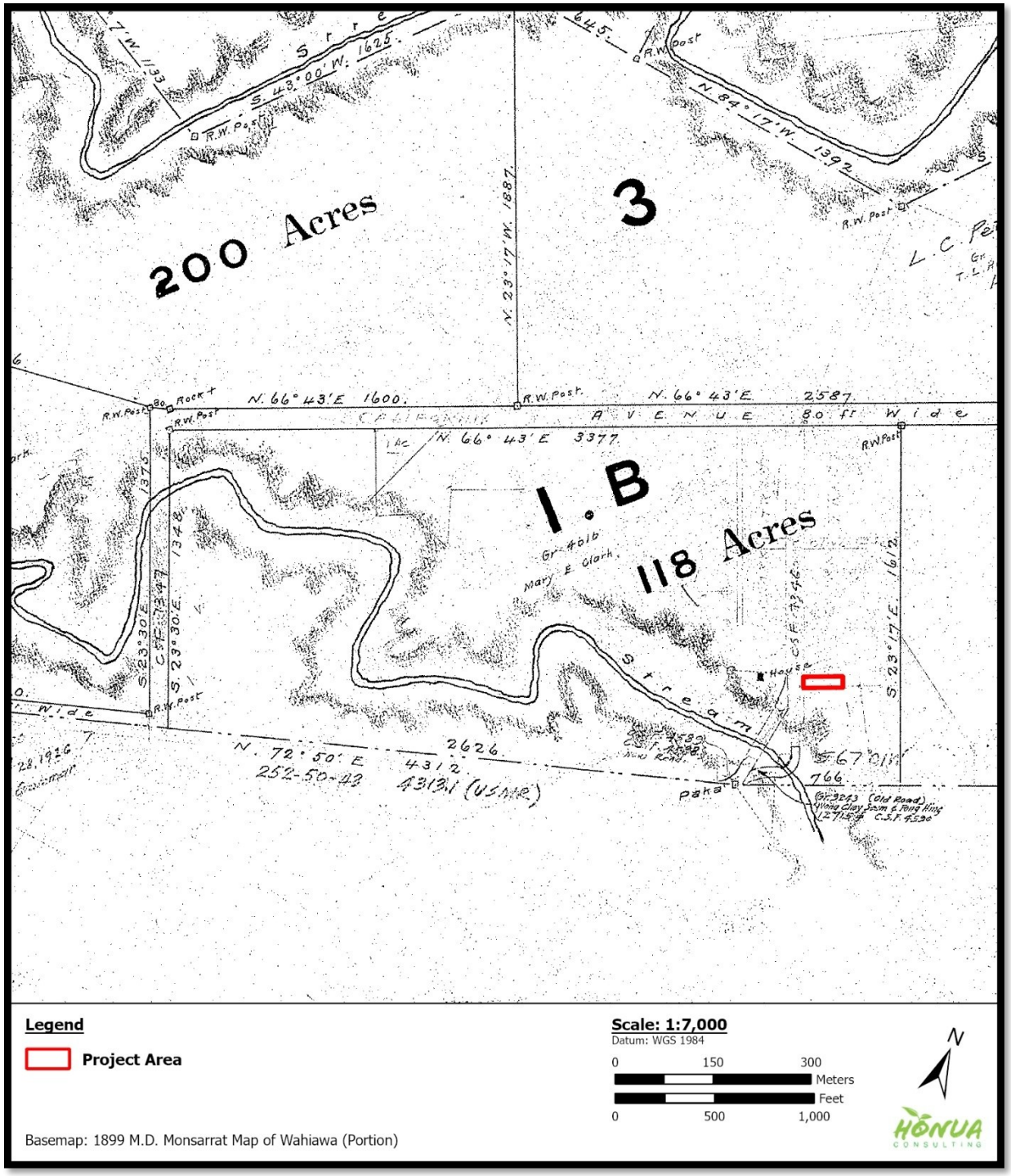


Figure 7. An 1899 public lands map by M.D. Monsarrat showing homestead lots in Wahiawā in relation to the project area (red) (Registered Map [RM] 1941)

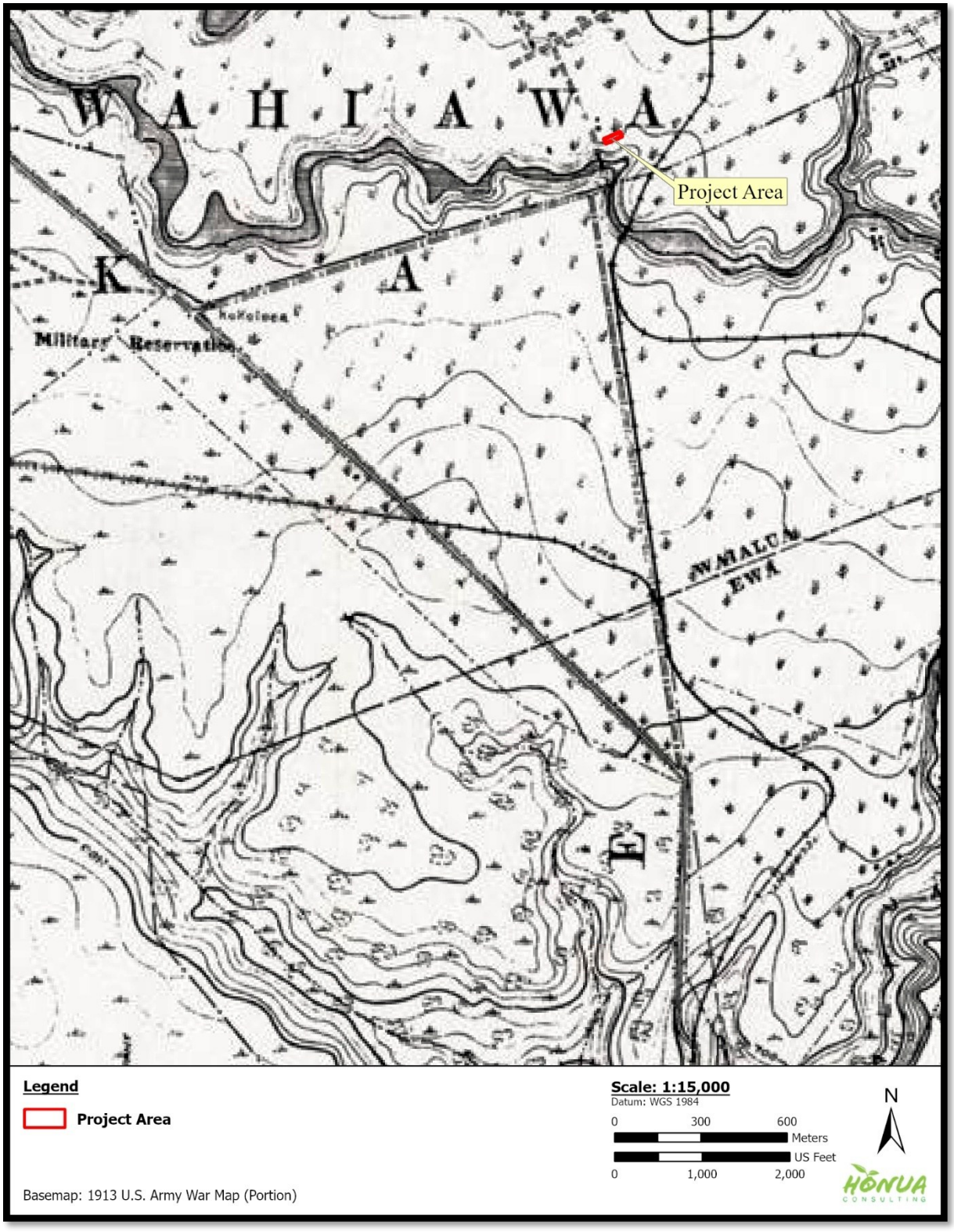


Figure 8. Portion of a 1913 U.S. Army war map showing the location of the project area (red) (U.S. Army 1913)

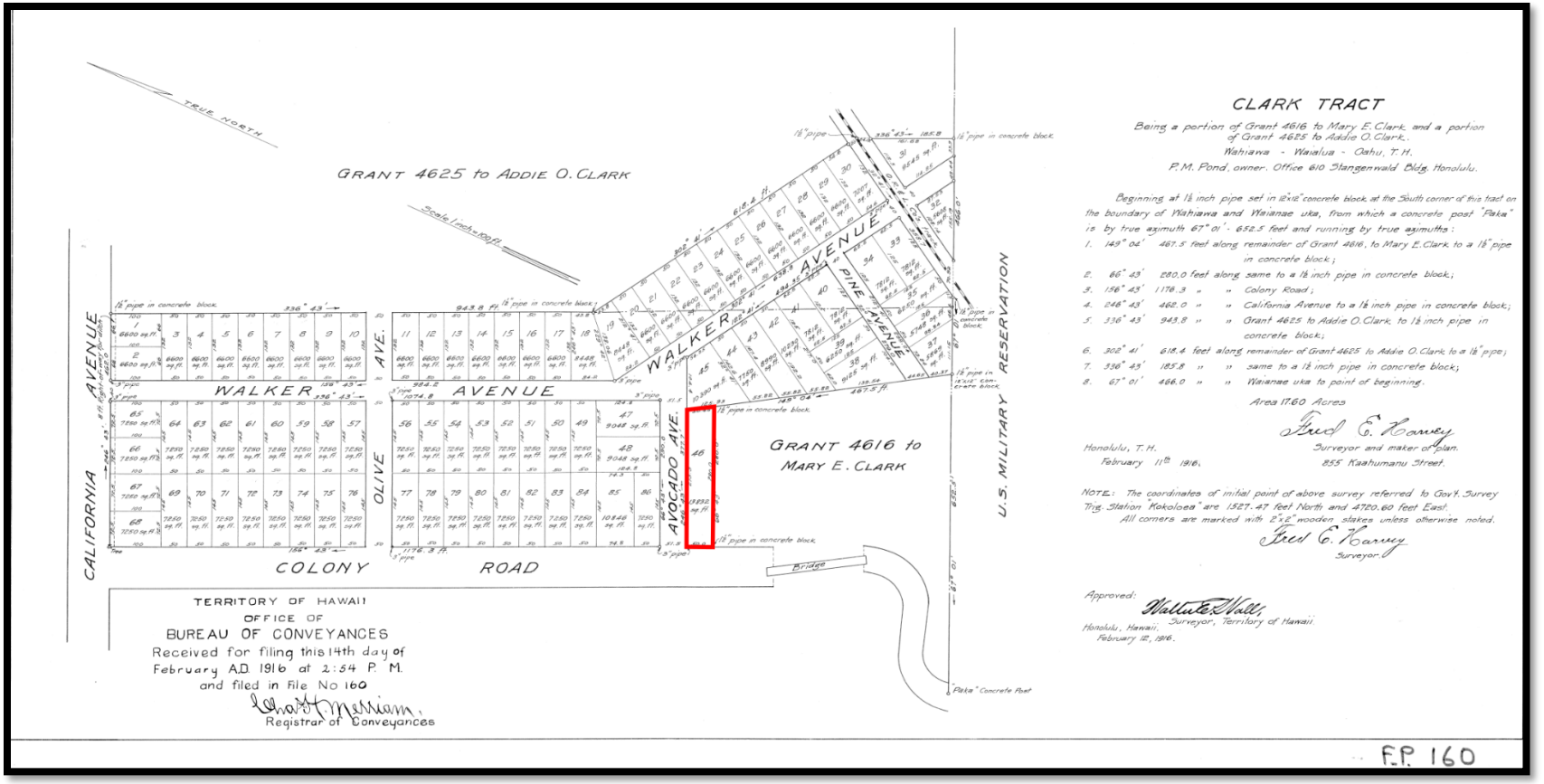


Figure 9. Map of the Clark Tract residential neighborhood showing the project area (red) within Lot 46 (File Plan 160, Harvey 1916)

Figure 10. Portion of a 1927 U.S. Army aerial photograph showing the project area (red) under pineapple cultivation (U.S. Army 1927)

Figure 11. Portion of a 1962 USGS aerial photograph showing the project area (red) (USGS 1962)

Figure 12. Portion of a 1977 USGS aerial photograph showing the project area (red) (USGS 1977)

Previous Archaeology

Other than a town-wide reconnaissance level survey in 2014 that identified several potential historic districts, no historic properties have been identified in the few archaeological studies that have been conducted in Wahiawā town. The majority of the studies have been in the area surrounding the town, mostly in support of military construction and infrastructure projects. Figure 13, Figure 14, and Table 2 list previous studies and archaeological sites in the vicinity of the project area.

No traditional Hawaiian sites are known to exist within the boundaries of Wahiawā town. The most well-known traditional archaeological site of the area is the Kūkaniloko Birthstones State Monument, SIHP # 50-80-04-00218 located approximately 1.75 km (1.1 miles) to the northwest. The other traditional sites, including two recorded by McAllister (1933), that once existed in the Wahiawā area are likely to have been expunged from the landscape by use of the area for commercial agriculture, U.S. military activities and construction, and subsequent urban development.

The historic sites and places of interest in Wahiawā town and the surrounding area are associated with the OR&L Railroad, pineapple cultivation in the area, plantation camps, the growth and development of Wahiawā town, and facilities and infrastructure built by the United States military. In the case of Wahiawā town, these are mostly places of general historic interest which are yet to have SIHP numbers assigned. The general lack of archaeological studies and sites in the vicinity of the project area is due in part to much of Wahiawā town being developed before historic preservation review became commonplace prior to construction activities.

Figure 13. Esri imagery showing previous archaeological studies in the vicinity of the project area

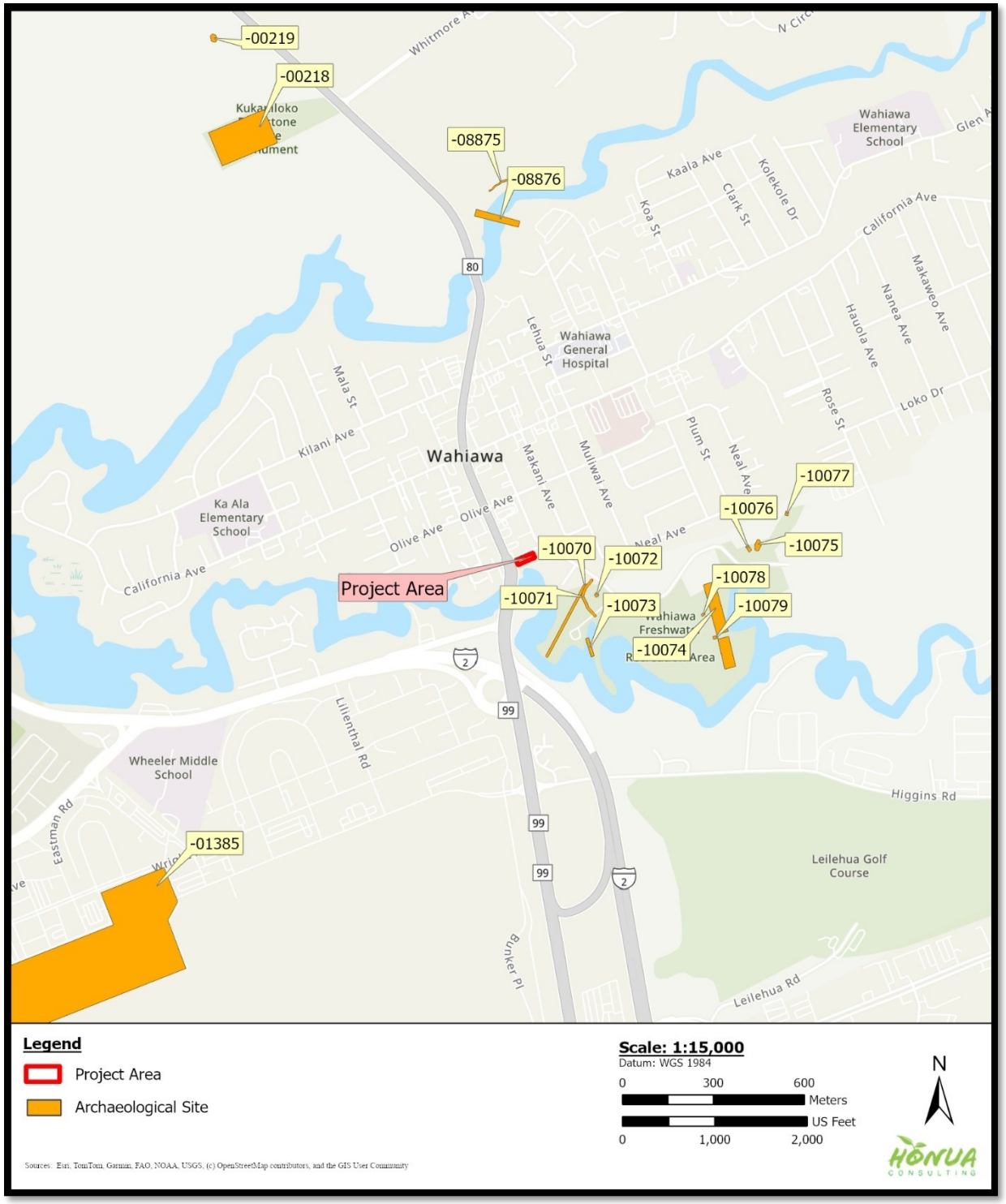


Figure 14. Esri imagery showing historic properties in the vicinity of the project area (red)

Table 2. Table listing previous archaeological studies in the vicinity of the project area

Author(s)	Type of Study	Location	Findings (SIHP #50-80-04)
McAllister 1933 (not shown in Figure 13)	Island-Wide Survey	O‘ahu	Identified 3 sites in the vicinity of the project area, SIHP -00204 (Oahunui Stone), SIHP -00218 (Kūkaniloko), and SIHP -00219 (Ho‘olonopahu Heiau)
Griffin and Yent 1977	Archaeological Survey	Wahiawā Freshwater Park	Documented two potential historic properties, a railway trestle with associated coral railbed designated TS-1, and a historic/historically modified terrace complex designated TS-2, No SIHP numbers assigned
Rosendahl 1977	Archaeological Survey	U.S. Army Facilities, Wheeler Army Airfield	No sites recorded
Henry et al. 1992	Archaeological Inventory Survey	Galbraith Trust Lands	Relocated the Kūkaniloko birthstones, SIHP -00218, and recorded a stacked stone agricultural wall, SIHP # -04571
Colin and Hammatt 1994a	Archaeological Inventory Survey (AA Report)	Whitmore Village; TMK: (1) 7-1-009:064	No sites recorded
Colin and Hammatt 1994b	Archaeological Literature Review and Field Inspection	California Avenue, Wahiawā; TMK: (1) 7-3-007:009	No sites recorded
Tomonari-Tuggle and Bouthillier 1994	Historical Resources Study	Wheeler Army Airfield	Archaeological and architectural survey, identifed portions of the OR&L railroad and four sites associated with the U.S military, No SIHP number assigned
McIntosh et al. 1995	Archaeological Inventory Survey	Wheeler Army Airfield and Schofield Barracks Military Reservation	Documented a single historic building constructed in 1941 and designated SIHP # -05082
Yent 1995	Site Inspection	Kūkaniloko Birthstones	Recorded damage from vandalism and fire at the Kūkaniloko birthstones, SIHP # -00218
Hammatt and Chiogioji 2000	Archaeological Inventory Survey (AA Report)	Whitmore Village and Wahiawā, Water Line, TMK: (1) 7-1-002	No sites recorded

Author(s)	Type of Study	Location	Findings (SIHP #50-80-04)
Hammatt et al. 2002	Archaeological and Cultural Impact Evaluation	Wahiawā Community Transit Center, TMK: (1) 7-4-006:002 por. & 012 por.	No sites recorded
Robins and Spear 2002	Archaeological Inventory Survey	Schofield Barracks Training Area	Recorded a total of 73 historic properties, with 50 recommended for data recovery and 19 recommended for preservation, only one historic property was documented in the vicinity of the project area, a pecked boulder recorded as SIHP # -05411
West and Donaldson 2004	Archaeological Inventory Survey	NCTAMS PAC, TMK: (1) 7-1-002:007 por.	No sites recorded
West 2005	Archaeological Survey Addendum	NCTAMS PAC Project, TMK: (1) 7-1-002:007 por.	No sites recorded
West and Desilets 2005	Archaeological Survey Addendum	NCTAMS PAC, TMK: (1) 7-1-002:007 por.	No sites recorded
Tulchin and Hammatt 2006	Archaeological Literature Review and Field Inspection	Whitmore Village Development, TMK: (1) 7-1-002:004 por., 030 por., 031, 032 por., and 033	Documented a series of historic railroad trestle foundations identified as a former railspur of the OR&L Helemano Extension, no SIHP number assigned
McCurdy and Hammatt 2008	Archaeological Literature Review and Field Inspection	Leilehua High School Ball Park, TMK: (1) 7-6-001:001	Documented a brick lined incinerator possibly associated with a pre-1954 building, no SIHP number assigned
Stasack and Stasack 2010	Rock Art Report	Kūkaniloko Birthstones State Monument	Recorded petroglyphs at Kūkaniloko Birthstones State Monument, SIHP # -00218
Sims et al. 2014	Archaeological Inventory Survey	Schofield (Barracks) Generating Station project	No sites recorded; 8 trenches were excavated in 8.1-acre portion of project area at Schofield Barracks, and 13 test pits were excavated along a 3.7-kilometer-long transmission corridor

Author(s)	Type of Study	Location	Findings (SIHP #50-80-04)
Stuart et al. 2014	Reconnaissance Level Survey Report	All of Wahiawā Town, Multiple TMKs	Provides NRHP eligibility recommendations for 3,283 properties, 55 properties including 9 potential historic districts were determined to be significant, Inventory Level Survey recommended for those properties
Liwosz et al. 2018	Archaeological Literature Review and Field Inspection	Wahiawā Water System Improvements Part IA and IB, TMK: (1) 7-3-001:005, 007, 014, 017, 019 and 7-6-001 (multiple parcels)	No sites recorded
O'Hare et al. 2017, O'Hare et al. 2020	Archaeological Literature Review and Field Inspection, Archaeological Monitoring Plan	Wahiawā Water System Improvements Part IV, TMKs: (1) 7-3, (1) 7-4, and (1) 7-5	No sites recorded
DiVito et al. 2019	Archaeological Literature Review and Field Inspection	Wahiawa Value-Added Product Development Center, TMK: (1) 7-4-012:016	No sites recorded
Novell et al. 2019, ASM 2019	Historic Properties Inventory Survey, CIA	Whitmore Village Agricultural Project, TMK: (1) 7-1-002:009 and 004 por.	Recorded 20 historic structures that were recommended to be a historic district
Gotay and Clark 2020	Archaeological Inventory Survey	Wahiawa Pedestrian Crossing, TMKs: (1) 7-1-001:013, -015, -017 (Pors.); (1) 7-1-002:004 and -009 (Pors.); and (1) 7-1-007:006 and -007 (Pors.)	Recorded two historic properties, a historic period cut slope pathway designated SIHP #-8875 and train trestle remnants designated SIHP #-8876.
DiVito et al. 2021	Archaeological Literature Review and Field Inspection	Wahiawā Civic Center, TMKs: (1) 7-4-004:001, 070, and 071, (1) 7-4-006:002 and 012	No sites recorded, architectural assessment of historic buildings and archaeological monitoring recommended

Author(s)	Type of Study	Location	Findings (SIHP #50-80-04)
Yent and Cheesebourough 2024	Archaeological Literature Review and Field Inspection (Archaeological Assessment)	Wahiawā Freshwater State Recreation Area Parking Lot Expansion, TMK: (1) 7-6-001:006 por.	Relocated previously documented TS-1 (railroad trestle and railbed) but could not relocate TS-2 (terrace complex), documented three potential historic properties, a historic boat ramp designated TS-3, two historic concrete foundations designated TS-4, and a collapsed bridge crossing designated TS-5, incorporated findings from DiVito and Watson (2025) and assigned SIHP #s -10070 through -10079
DiVito and Watson 2025	Archaeological Literature Review and Field Inspection	Wahiawā Freshwater State Recreation Area, TMK: (1) 7-6-001:006	Recorded 10 historic properties, relocated previously documented Sites TS-1 through TS-5, Site TS-1, a railroad trestle and railbed was recorded as SIHP # -10070, Site TS-2, historic foundation remnants were recorded as SIHP #-10072, TS-3, a boat ramp was recorded as SIHP # -10073, Site TS-4, WWII era concrete warehouse foundations were recorded as SIHP # -10074, Site TS-5, a bridge crossing was designated SIHP #-10075 Newly documented sites included a historic drainage system recorded as SIHP # -10071, a concrete drainage ditch recorded as SIHP # 10076, a concrete foundation recorded as SIHP # -10077, a concrete wall and buried metal cylinder recorded as SIHP # -10078, and a concrete culvert headwall and drainage ditch recorded as SIHP # -10079

Nearby Archaeological Studies

McAllister 1933

In the early 1930s, the Bishop Museum conducted the first systematic island-wide archaeological survey of the island of O‘ahu (McAllister 1933). Two sites were documented in the vicinity of the project area, and included McAllister Site 218, Kūkaniloko, and Site 219, Ho‘olonopahu Heiau. They are described in detail by McAllister (1933) below:

> **Site 218**. Kukaniloko, located near Wahiawa, on the Waialua side of Kaukonahua Gulch, one of the two famous places in the Hawaiian islands for the birth of children of tapu chiefs. The other is at Holoholoku, Wailua, Kauai. Due to the efforts of the late W. W. Goodale of the Waialua Plantation and the Daughters of Hawaii, this site is assured permanent protection. It is the only ancient site on Oahu that is being officially preserved.
>
> Kukaniloko is said to have been established by Nanakaoko and his wife, Kahihiokalani, whose son, Kapawa, heads the list of the important alii born here. “This must have happened close upon the twelfth century,” according to Fornander (37, vol. 6, p. 247). Kamakau, as translated by Thrum (79, 7, p. 101), gives an account of the place:
>
> > A row of stones was laid down on the right hand and another on the left hand, and the face was to the right side. There stood thirty-six chiefs, eighteen on each side. A hill or mound was made for the back. Kukaniloko was the stone to be trusted. If anyone came in confident trust and lay properly upon the supports the child would be born with honor. It would be called a chief divine, a burning fire. When the child was born, it was quickly taken inside the Waihau of Hoolonopahu. There were forty-eight chiefs to whom belonged the duty of birth ceremonies of cutting the naval cord.
>
> The common people stood at a great distance from the place of birth and the two sacred drums, Opuku and Hawea, announced the important event. Birth here added some special divine gift to the sacred place already occupied by a tapu high-chief. According to Fornander (38, Vol. 2. Pp. 20,21):
>
> > So highly were those dignities and privileges prized, even in later times, when the ancient structure and surroundings had fallen in decay, that Kamehameha I, in 1797, previous to the birth of his son and successor, Liholiho, Kamehameha II, made every arrangement to have the accouchement take place at Kukaniloko; but the illness of Queen Keopuolani frustrated the design.
>
> Kamakau (49) gives a slightly different interpretation:
>
> > Kukaniloko was established by Nanakaoko and Kahihiokalani his wife as a place of birth for their child Kapawa. A line of stones was placed along the right side and on the left side the face turning to the right, where sat 36 chiefs, and a hunchback on the upper side. Kukaniloko is the stone to lean against. If in entering, with confidence, and leaning against the supports place the

> thighs in Liloekapu he child will be born in front. That child will be termed a chief, a god, a fire, a flame.
>
> On the birth of the child it is taken immediately to the temple of Hoolonopahu, where there are 48 chiefs, who will attend to the child, and cut the naval, it is on the left side of Kukaniloko, a segetia and a half. From Kukaniloko to the west is two segatia, there the sacred drum of Hawea is sounded, a signal from the chief.
>
> The common people are on the east of the stream on the Kuaikua side, they are numerous, and three segatia away are the servants. But the chiefs born outside of the hunchback, they are chiefs, and those born in the road are chiefs outside.

Aside from Kapawa, other alii born at Kukaniloko were: Mailikukahi, whose mother was Nononui, and father was Puaa of Kahuoi, called a tapu chief of the land (49; 38, vol. 2, p. 89); Kalaimanuia, the only woman whose birth "at Kukaniloko in the year 1100, at Puahuawa," (49) is recorded. "At Hoolonopahu was the place where the navel was cut," (38, vol. 2, p. 269). Kakuhihewa, one of Oahu's greatest chiefs, was also born at Kukaniloko (38, vol. 2. P. 272). Laielohelohe immediately after her birth was taken to Kukaniloko and concealed there by her foster father, while Laieikawai, her twin sister, was concealed at Waiapuka (Site 275) (9, p. 55).

There is now little to see at Kukaniloko. It is an inclosed area about one-half acre in size, with many large stones, some just visible, others protruding to a height of 3 to 4 feet, scattered about on a well-kept lawn. Tall trees border the site. To the old Hawaiians these stones were all named and represented alii, but now the name remembered is Kahamaluihi, a flat stone near the center of the group. The old Hawaiians of today remember that in their childhood they were never allowed by their parents to approach even near the sacred birthplace, an indication of the great respect in which Kukaniloko was held, even a century after contact with Europeans and more than a half century after the coming of the missionaries.

In connection with Kukaniloko, "Wahiawa healing stone" may be mentioned. About fifty years ago there was in the bed of Kaukonahua Gulch a large stone, almost 6 feet long, 2 feet wide and less than 1 foot thick. It is said to have been Keanini-ula-o-ka-lani, considered as a milestone at the side of the old Hawaiian pathway. Thrum (79, 15) is not of this opinion. This stone was noticed by Mr. George Galbraith and moved to Kukaniloko, where it remained for many years. Galbraith had placed the stone in an upright position, which made it one of the most prominent of the group. Because of its unusual shape and position, the stone became noticed and was the recipient of much attention. Offerings of all sorts were placed before the stone, and it was soon discovered that it had unusual healing power. Large crowds of people were attracted to the site and soon the other more sacred stones of Kukaniloko were covered with the tallow from candles burnt as offering to this prominent stone; decayed food and flowers lay about the once tapu ground; and the Daughters of Hawaii, who had taken over the care of Kukaniloko, decided that this stone, which had no connection with Kukaniloko, should be moved. It was therefore moved to Wahiawa, where it became a Mecca for people from other

islands as well as Oahu. Thousands gathered each day, either to witness the healing powers of this strange stone or to partake of its benefits. Chinese, Japanese, Filipinos, Koreans, Portuguese, and Hawaiians all were among the daily pilgrims to this shrine, worshipping in their own way. The importance of the stone has now dwindled, and only a few persons visit the place to leave flowers or other offerings.

Site 219. Hoolonopahu was a heiau which functioned in connection with Kukaniloko (see Site 218). Here were kept the sacred drums of Opuku and Hawea which announced the birth of an alii. Nothing now remains of the temple. The land is planted in pineapples.

Griffin and Yent 1977

In 1977, DSP archaeologists Agnes Griffin and Martha Yent conducted a pedestrian survey for Phase 1 of the Wahiawa Freshwater Park which included the western half of the current project area (Griffin and Yent 1977). The survey documented two potential historic properties, TS-1, a railroad trestle with an associated railbed, and TS-2, a historic and/or historically modified terrace complex consisting of four terraces and a rock alignment. No SIHP numbers were assigned to the temporary sites identified during the project. Following the survey, it was recommended that the Hawaiian Railway Society determine the significance of the railroad trestle.

Rosendahl 1977

In 1977, the Bishop Museum conducted an archaeological inventory and evaluation for an environmental impact statement for U.S. Army facilities in Hawai‘i which included nearby Wheeler Army Airfield (Rosendahl 1977). A field check was conducted for a 67-acre portion of the facility. The entire installation area was eliminated from the survey based on airfield development and no sites were located during the project.

Henry et al. 1992

In 1992, Paul H. Rosendahl PhD. Inc. conducted an archaeological inventory survey of the Galbraith Trust Lands (Henry et al. 1992). The survey consisted of aerial reconnaissance by helicopter, a pedestrian survey of the area, and subsurface testing consisting of 12 shovel test probes. The survey relocated the Kūkaniloko Birthstones, SIHP #50-80-04-00218, an important traditional Hawaiian site added to the National Register of Historic Places in 1973 and designated NRHP #73000674 (Newman 1973). Later, during the statewide inventory of historic sites in the late 1970s, the site was assigned SIHP #-00218.

The study also recorded a stacked stone agricultural wall designated SIHP #50-80-04-04571. A previously identified heiau, SIHP #50-80-04-01605, located along Poamoho Gulch years earlier by Saifuku (1987) was not relocated during the project. No artifacts or cultural deposits were encountered in the shovel test probes excavated during the project. Following the survey, it was recommended that further effort be taken to relocate SIHP #-01605 prior to any ground disturbance within Poamoho Gulch.

Colin and Hammatt 1994a

In 1994, Cultural Surveys Hawai‘i (CSH) conducted an archaeological inventory survey for an exploratory well site in Whitmore Village north of Wahiawā (Colin and Hammatt 1994a). Due to the negative results of the survey, it was termed an archaeological assessment. The assessment

consisted of a pedestrian survey of the property which documented no archaeological sites or deposits.

Colin and Hammatt 1994b

In 1994, CSH conducted an archaeological inventory survey for an exploratory well site in the Board of Water Supply yard at the west end of California Avenue (Colin and Hammatt 1994b). Due to the negative results of the survey, it was termed an archaeological assessment. The assessment consisted of a pedestrian survey of the property which documented no archaeological sites or deposits.

Tomonari-Tuggle and Bouthillier 1994

In 1994, International Archaeological Research Institute Inc. (IARII) conducted a historical resources study for the Wheeler Army Airfield (Tomonari-Tuggle and Bouthillier 1994). The study consisted of a brief archaeological survey and an architectural survey of structures on the property dating between 1920 and 1952 for potential National Register of Historic Places (NRHP) eligibility. The archaeological survey consisted of a pedestrian survey of selected areas of the facility that identified remnants of the OR&L railroad and four sites associated with military development. However, none of the potential historic properties identified were assigned SIHP numbers.

McIntosh et al. 1995

In 1995, Biosystems Analysis, Inc. conducted an archaeological inventory survey for a family housing project on portions of the Wheeler Army Airfield and the Schofield Barracks Military Reservation (McIntosh et al. 1995). The study consisted of a pedestrian survey that documented a single historic property. It consisted of a historic building constructed in 1941 and designated SIHP #50-80-08-05082. The study also identified a boulder with possible facets, but it was assessed as not significant.

Yent 1995

In 1995, Martha Yent of the DSP compiled a report following an archaeological field inspection of the Kūkaniloko Birthstones, SIHP #-00218 (Yent 1995). The field inspection was conducted following acquisition of the land surrounding the site for a state park and amendment of the NRHP nomination to include it, and was assigned NRHP #94001640 (McEldowney 1994). The pedestrian survey of the proposed park lands identified approximately 180 stones as part of the site, some of which had been damaged by fire and vandalism since the original documentation of the site in 1992 (Henry et al. 1992). The study concluded with recommendations for future site improvements.

Hammatt and Chiogioji 2000

In 2000, CSH conducted an archaeological assessment of a 10-meter-wide water line route from Wahiawā Reservoir (Hammatt and Chiogioji 2000). The assessment consisted of a pedestrian survey of the route. Steep slopes and modern trash were observed, and no sites of any kind were recorded. The lack of sites was attributed to the rising waters of the reservoir which would have destroyed any features associated with that portion of Kaukonahua Stream.

Hammatt et al. 2002

In 2002, CSH conducted an archaeological and cultural impact evaluation for the Wahiawā Community Transit Center (Hammatt et al. 2002). The study consisted of a literature review and

pedestrian survey of the property. No sites of any kind were recorded during the pedestrian survey of the property. The lack of sites was attributed to a long history of modern development in the parcel and surrounding area.

Robins and Spear 2002

In 1996, Scientific Consulting Services Inc. (SCS) conducted a cultural resources inventory survey with subsurface testing for the Schofield Barracks Training Area (Robins and Spear 2002). The study identified a total 73 historic properties consisting of traditional Hawaiian, historic and plantation era sites, and sites associated with use of the area by the U.S. military. Attempts were made during the survey to relocate an important stone documented by Gilbert McAllister in the 1930s known as the Oahunui Stone, SIHP #-00204, but the site was not be relocated. A single site was documented in the vicinity of the project area and included a pecked boulder recorded as SIHP #50-80-09-05411. Following the survey, data recovery was recommended for 50 sites and preservation was recommended for 19 sites.

West and Donaldson 2004

In 2004, the Department of the Navy, Naval Facilities Engineering Command, Pacific (NAVFAC PACIFIC) conducted an archaeological survey for the Hawai‘i Regional Security Operations Center (HRSOC) and an associated access road located at the Naval Computer Telecommunications Area Master Station Pacific (NCTAMS PAC) (West and Donaldson 2004). The study consisted of a pedestrian survey of the area and the excavation of two 50 x 50 cm test units. No sites were recorded during the project and no archaeological resources were encountered in the subsurface excavations. Modern rubbish and abandoned cars were observed during the survey, and it was determined that much of the area had been impacted by agricultural and landscaping activities.

West 2005

In 2005, NAVFAC PACIFIC conducted an addendum archaeological survey to the previous survey (West and Donaldson 2004) of NCTAMS PAC (West 2005). The survey consisted of a pedestrian survey for access road alternatives, the proposed relocation of Building 294, several utility corridors, and several detention basin alternatives. No sites were recorded during the survey. Once again, the lack of sites was attributed to alterations made to the landscape for agricultural and construction activities.

West and Desilets 2005

Later in 2005, NAVFAC PACIFIC conducted a second addendum archaeological survey to the previous surveys of NCTAMS PAC (West and Desilets 2005). The survey consisted of a pedestrian survey for a road realignment alternative. Modern refuse and push piles were observed on the southern edge and on the bottom of Poamoho Gulch. No sites of any kind were recorded during the survey.

Tulchin and Hammatt 2006

In 2006, CSH conducted an archaeological literature review and field inspection for the 324-acre Whitmore Village Development project (Tulchin and Hammatt 2006). A single potential historic property was documented during the pedestrian survey of the property. It included a portion of a historic railroad trestle foundation which was identified as a railspur of the Helemano

Extension of the OR&L Railroad and constructed in 1906. No SIHP number was assigned, and no further work was recommended.

McCurdy and Hammatt 2008

In 2008, CSH conducted an archaeological literature review and field inspection for the Leilehua High School Ball Park (McCurdy and Hammatt 2008). The inspection documented a single potential historic property consisting of a basalt block and brick lined incinerator possibly associated with a building pre-dating 1954. No SIHP number was assigned, and no further work was recommended.

Stasack and Stasack 2010

In 2010, the Stasacks, who are experts at recording and characterizing Hawaiian rock art, documented petroglyphs present at the Kūkaniloko Birthstones Monument, SIHP #-00218 (Stasack and Stasack 2010). The rock art was documented for Nana I Ka Piko organization with support from the Office of Hawaiian Affairs.

Sims et al. 2014

In 2014, Garcia and Associates conducted an AIS in support of a joint Federal/State Environmental Impact Statement (EIS) for the Schofield Generating Station Project in the western portion of O‘ahu’s central plateau. The AIS included excavation of eight test trenches in a 8.1-acre generating station parcel and 13 test pits along a 3.7-kilometer transmission corridor. Test trenches and test pits produced no evidence of traditional Hawaiian or early historic cultural deposition.

AIS data indicate that the Schofield Generating Station Project is very unlikely to affect archaeological sites. Test excavation results confirmed that the Area of Potential Effect (APE) had a very low probability for containing archaeological deposits. It was determined that extensive land modifications associated with a century of commercial cultivation, ranching, U.S. military activity, and urbanization had likely destroyed most of the tangible evidence of the traditional Hawaiian and early historic past in the area.

Stuart et al. 2014

In 2014, URS conducted a reconnaissance level survey for Wahiawā town (Stuart et al. 2014). The study evaluated a total of 3,585 properties with NRHP eligibility recommendations for 3,283 properties. Three structures within the project area were included in the survey. Two of the buildings were not evaluated for significance and the third was assessed as ineligible for listing on the NRHP (Figure 15). A total of 55 properties, including 9 potential historic districts, were determined to be significant and it was recommended that an inventory level survey be conducted for those properties.

Figure 15. Map showing NRHP eligibility of structures within and in the vicinity of the project area (red), two structures within the project area were not evaluated (gray) and the other structure was assessed as ineligible (green) (Stuart et al. 2014:84)

O'Hare et al. 2017 / O'Hare et al. 2020

In 2017, CSH conducted a literature and field inspection for the Wahiawā Water System Improvements Project Part IV (O'Hare et al. 2017). No surface remains or artifacts were encountered in the project area. The only potential historic property included early to mid-20th century curbing along Lehua Street, Koa Street, Glenview Place, Hakuone Place, Hakuone Street, Eames Street, and Kinikohu Street. Following the survey, the project effect determination was "effect, with proposed mitigation commitments" consisting of archaeological monitoring guided by an archaeological monitoring plan. The archaeological monitoring plan called for weekly spot-checks and detailed documentation of the identified historic curb segments (O'Hare et al. 2020).

Liwosz et al. 2018

In 2018, CSH conducted an archaeological literature review and field inspection for the Wahiawā Water System Improvements Project Part 1A and 1B (Liwosz et al. 2018). No archaeological resources of any kind were encountered during the inspection. The lack of sites was attributed to major alterations to the project area for sugarcane cultivation and the construction of Wahiawā town. A former cemetery location in what is now a residential area was identified along the waterline route. Archaeological monitoring was recommended for that area and on-call monitoring was recommended for the remainder of the project area.

DiVito et al. 2019

In 2019, Honua Consulting conducted a literature review and field inspection for the Wahiawa Value-Added Product Development Center (DiVito et al. 2019). The majority of the project area consisted of a paved parking lot and warehouse. Due to development within the project area, no artifacts or deposits were encountered and no sites were recorded.

Novell et al. 2019 and ASM Affiliates 2019

In 2019, ASM Affiliates conducted a historic properties inventory survey and a cultural impact assessment for the Whitmore Agricultural Project (Novell et al. 2019 and ASM Affiliates 2019). No archaeological resources were identified during the survey of the area. However, 27 buildings were documented in the project area, 20 of which were considered historic. They were collectively recorded as a historic district. The site number is unknown as the survey report was a draft and the SIHP information for the historic district was not included.

Gotay and Clark 2020

In 2020, ASM Affiliates conducted an archaeological inventory survey for the Wahiawa pedestrian crossing project (Gotay and Clark 2020). The study consisted of a pedestrian survey that documented two historic properties, a historic period cut slope pathway designated SIHP #50-80-04-8875 and train trestle remnants designated SIHP #50-80-04-8876. Following the survey, avoidance was recommended for the two sites.

DiVito et al. 2021

In 2021, Honua Consulting conducted an archaeological literature review and field inspection for the Wahiawā Civic Center project (DiVito et al. 2021). The study consisted of a pedestrian survey that documented a single potential historic property documented as Honua 1. The site consisted of early 20th century utility infrastructure, likely associated with the former Wahiawa Hotel. It was comprised of three component features (Features A-C) including a cast iron waterline, a patch of basalt aggregate concrete, and a faced basalt block. Due to its condition and disassociation from its original surroundings, Honua 1 was assessed as not significant. However, based on historic use of the area archaeological monitoring was recommended in association with the project. Additionally, it was recommended that the historic buildings within the project area be assessed in coordination with the SHPD Architectural Branch.

Yent and Cheesebourough 2024

In 2022, State Parks conducted an archaeological inventory survery for the Wahiawā Freshwater Park SRA parking lot expansion project (Yent and Cheesebourough 2024). Due to the negative results of the survey, it was termed an archaeological assessment. The pedestrian survey made an attempt to relocate two sites previously documented during the 1977 survey of the park (Griffin and Yent 1977). Site TS-1, a railroad trestle and raised coral rock railbed running through the west side of the park was relocated, however, a terrace complex documented as Site TS-2 was not relocated due to heavy vegetation. The study documented three additional potential historic properties, a historic boat ramp designated TS-3, two historic concrete foundations designated TS-4, and a collapsed bridge crossing designated TS-5. None of the sites documented were within the the project area and no SIHP numbers were assigned at that time.

In 2024, the archaeological assessment of the Wahiawā Freshwater Park SRA parking lot expansion project was finalized and incorporated the results of Honua's 2023 survey, obtaining SIHP numbers for ten historic properties identified during the larger survey of the park. They included SIHP #s 50-80-04-10070 through 50-80-04-10079. Following the assessment, spot monitoring was recommended for the project.

DiVito et al. 2025

In 2023, Honua Consulting conducted an archaeological literature review and field inspection for the Wahiawā Freshwater Park SRA (DiVito et al. 2025). The study consisted of a pedestrian survey that relocated all five (5) previously documented sites, TS-1 through TS-5, and documented ten (10) potential historic properties, Honua 1 through Honua 10, all of which were historic in age. The newly documented sites included the former raised coral rock railbed of the OR&L railroad designated Honua 1, a truncated concrete wall designated Honua 2, a cobble and mortar ditch designated Honua 3, a drain culvert headwall and ditch segment designated Honua 4, a box culvert crossing and truncated wing walls designated Honua 5, truncated wing walls designated Honua 6, a concrete drainage ditch designated Honua 7, a recessed cement foundation designated Honua 8, a concrete wall and embedded metal cylinder in the ground designated Honua 9, and a drain culvert headwall and ditch segment designated Honua 10.

Site TS-1 was designated SIHP # 50-80-04-10070 and consisted of rail trestle bridge foundations (Features A through G), a raised coral railbed right-of-way (ROW) (Honua 1, Feature H), and a concrete wall (Honua 2, Feature I). Site TS-2 was designated SIHP #50-80-04-10072 and consisted of historic foundation remnants including upper and lower retaining walls, a rock alignment, and a set of concrete steps. Site TS-3 was designated SIHP #50-80-04-10073 and consisted of the concrete park boat ramp constructed in 1968. Site TS-4 was designated SIHP #50-80-04-10074 two WWII era rectangular concrete warehouse foundations associated with the United States military. Site TS-5 was designated SIHP #50-80-04-10075 and consisted of cobble and mortar walls associated with a former historic bridge crossing.

The newly documented sites included SIHP # 50-80-04-10071, -10076, -10077, -10078, and -10079. SIHP # 50-80-04-10071 and consisted of historic drainage system composed of nine feature components including Honua 2 through Honua 6. SIHP # 50-80-04-10076 consisted of a concrete drainage ditch running along the road leading to SIHP # -10075. SIHP# 50-80-04-10077 consisted of a square concrete foundation with a water spigot near the east boundary of the park. SIHP # 50-80-04-10078 consisted of a concrete wall and buried metal cylinder located in the vicinity of SIHP # -10074. Lastly, SIHP # 50-80-04-10079 consisted of a concrete culvert headwall and associated concrete drainage ditch in the vicinity of SIHP # -10074. Following the survey, recommendations included consultation with SHPD and evaluation of documented historic infrastructure by an architectural historian prior to park improvements.

Nearby Historic Properties

A total of fifteen (15) historic properties have been documented in the vicinity of the project area (see Figure 14). The traditional Hawaiian sites in the vicinity include two sites documented during McAllister's island-wide survey of Oʻahu in the 1930s and include SIHP # -00218, the Kūkaniloko Birthstones and its companion heiau SIHP # 00-219, Hoʻolonopahu Heiau (destroyed) (McAllister 1933). Kūkaniloko was an important complex of birthing boulders located northwest

of Wahiawā town. It is one of only two places in the island chain known for the birthing of chiefs. Kūkaniloko had a companion heiau, Hoʻolonopahu which heralded the arrival of the new chiefs.

Kūkaniloko, State Inventory of Historic Places (SIHP) #50-80-04-00218, was added to the National Register of Historic Places (NRHP), as NRHP #73000674 in 1973. The site area was expanded to 5 acres in 1995 and relisted on the NRHP as #94001640. Recently efforts have been made with the Wahiawā community, the DSP, the DLNR, and the Office of Hawaiian Affairs (OHA) to pursue community informed management plans for Kūkaniloko and the surrounding land. The site currently operates as the Kūkaniloko Birthstones State Monument (Yent 1999).

Wheeler Field, SIHP # 50-80-04-01385, was nominated for listing on the NRHP in 1986. It was added to the NRHP for its association with the events of the bombing of Pearl Harbor on December 7th, 1941, and its military significance for the United States Air Force.

In 2020, two historic properties were recorded during an archaeological inventory survey for the Wahiawa pedestrian crossing project (Gotay and Clark 2020). The study documented two historic properties, a historic period cut slope pathway designated SIHP #50-80-04-8875 and train trestle remnants designated SIHP #50-80-04-8876.

The remaining sites were documented during multiple surveys of the Wahiawā Freshwater Park SRA (Griffin and Yent 1977, Yent and Cheesebourough 2024, DiVito and Watson 2025). The ten sites documented within the park include a railroad trestle and railbed recorded as SIHP # 50-80-04-10070, a historic drainage system recorded as SIHP # 50-80-04-10071, historic foundation remnants recorded as SIHP #50-80-04-10072, a boat ramp recorded as SIHP # 50-80-04-10073, WWII era concrete warehouse foundations recorded as SIHP # 50-80-04-10074, a bridge crossing recorded as SIHP #50-80-04-10075, a concrete drainage ditch recorded as SIHP # 50-80-04-10076, a concrete foundation recorded as SIHP # 50-80-04-10077, a concrete wall and buried metal cylinder recorded as SIHP # 50-80-04-10078, and a concrete culvert headwall and drainage ditch recorded as SIHP # 50-80-04-10079.

Table 3. Historic properties documented in the vicinity of the project area

Reference	SIHP # 50-80-04	Site Type	Site Significance (National/ State / Local)	Recommendation	Notes
McCallister 1933, Henry et al. 1992, Yent 1995, Stasack and Stasack 2010	-00218	Kūkaniloko Birthstones	Criteria d and e	Preservation	Currently preserved with interpretive signage
McCallister 1933	-00219	Hoʻolonopahu	—	—	Possible location, documented as destroyed by McAllister (1933)
Thompson 1986	-01385	Wheeler Field	—	—	NRHP #87001297
Gotay and Clark 2020	-08875	Cut Slope Pathway	Criterion d	Avoidance	—

Reference	SIHP # 50-80-04	Site Type	Site Significance (National/ State / Local)	Recommendation	Notes
Gotay and Clark 2020	-08876	Historic Trestle Bridge Foundations	Criterion d	Avoidance	—
Yent and Cheesebourough 2024	-10070	Historic Trestle Bridge Foundations and Railway Infrastructure	Criteria a and c	—	Nine feature components, Features A through I
Yent and Cheesebourough 2024	-10071	Historic Drainage System	Criterion d	—	Multiple feature components
Yent and Cheesebourough 2024	-10072	Foundation	Criterion d	—	Retaining walls, a rock alignment and a set of concrete stairs
Yent and Cheesebourough 2024	-10073	Historic Boat Ramp	Criteria a and c	—	Constructed in 1968
Yent and Cheesebourough 2024	-10074	Warehouse Foundations	Criteria a and d	—	Two rectangular concrete military warehouse foundations
Yent and Cheesebourough 2024	-10075	Bridge Crossing	Criteria a, c, and d	—	Deck destroyed, foundations on both sides
Yent and Cheesebourough 2024	-10076	Drainage Ditch	Criterion d	—	Concrete lined
Yent and Cheesebourough 2024	-10077	Cement Foundation	Criterion d	—	—
Yent and Cheesebourough 2024	-10078	Wall	Criterion d	—	Concrete wall and buried metal cylinder
Yent and Cheesebourough 2024	-10079	Drainage Ditch	Criterion d	—	Culvert headwall and concrete lined ditch

Field Results

Fieldwork for this project was conducted on June 16th, 2025, by Honua Consulting archaeologist Nathan J. DiVito, M.A., who also served as the principal investigator. The fieldwork required approximately 1 person-hour to complete. The site investigation was performed under the archaeological permit number 25-28 issued to Honua Consulting by the SHPD/DLNR in accordance with HAR Chapter 13-282.

Methodology

The archaeological field inspection consisted of a 100% pedestrian survey of the traversable portions of the project area. It included a visual inspection for any constructed surface architecture and observation of the ground surface and soil exposures for artifacts and/or exposed cultural deposits. Digital photographs were taken throughout the project area to record the vegetation, topography, and condition of the project area as well as any previously documented and newly documented historic properties, historic buildings, and any other points of interest. An associated photo log was maintained, which recorded the subject of the photograph, the direction the camera was pointing, and other information as appropriate. Trimble® Terraflex™ software and an external R2 unit was used to geolocate photos and record transect paths and other points of interest on the property. The R2 GPS unit maintained an accuracy ranging between 1-2 m (3-6 ft.) and all recorded GIS data was later post-processed for sub-meter accuracy. GIS data and maps for this project were created by Frederick LaChance IV, B.A.

Survey Results

The project area is situated in central O‘ahu and consisted of a completely developed commerical property located in the southeastern portion of Wahiawā town,The subject parcel is bounded on the north by Avocado Street, on the east by a residential property of the Clark Tract housing, on the west by a small commerical property with parking lot, and on the south by the north bank of the south fork of Kaukonahua Stream.

Background research indicates the abandoned commercial buildings on the property were constructed in the 1950s. There were formerly three buildings on the property, one of which was recently demolished. The building on the east side of the property, street address 535 Avocado Street, consists of a single story building constructed in 1953 and composed mainly of ceramic masonry unit (CMU) block (Figure 16). A recent partially constructed addition to the building was present to the south and also employed CMU block construction. A patch is present on the asphalt where the footprint of the demolished building, street address 530 Avocado Street, used to be. Records indicate it was a two-story building demolished sometime after 2014. A shipping container and large rubbish pile were present on the asphalt in that area (Figure 17). The building on the west side of the property,street address 525 Avocado Street, consists of a single story building constructed in 1955 and composed mainly of textured concrete block and CMU block (Figure 18).

All three buildings were included in a reconnaissance level survey of Wahiawa in 2014 that determined National Register of Historic Places (NRHP) eligibility for structures throughout the town. The buildings at 535 and 530 Avocado Street were not assessed and the building at 525 Avocado Street was assessed as not eligible for listing on the NRHP.

The remainder of the property is paved with apshalt or concrete including an asphalt paved parking lot on the eastern most side (Figure 19). The southern edge of the parking lot transitions to the natural soil and slope down to the river which was covered in modern rubbish and debris. Several utility boxes along the street indicate subsurface utilities are present throughout the property. A 28.5 meter (93.5 ft) long, 30 cm wide, CMU block retaining wall runs along a portion of the southern boundary of the property (Figure 20). The west end of the retaining wall consisted of three courses of CMU block measuring 60 cm in height and expands to ten courses and 2 meters in height on the east end (Figure 21). Exposed natural soil and two drainpipes were observed amidst the rubbish at the base of the wall. The rubbish and debris extends down the slope leading to the river below (Figure 22).

No historic properties were documented and no significant artifacts or features were encountered during the field inspection. The lack of historic properties is due to development of the parcel which included excavation and subsurface utilities for the three (now two) commercial buildings, grading for asphalt and concrete paving of the remainder of the property, and construction of a retaining wall along the southern boundary of the property.

Figure 16. Photo of the front (*top*) and back (*bottom*) of one of the two commercial buildings on the property, street address 535 Avocado Street

Figure 17. Overview photo of the former location of a commercial building on the property, street address 530 Avocado Street

Figure 18. Photo of the front (*top*) and back (*bottom*) of one of the two commercial buildings on the property, street address 525 Avocado Street

Figure 19. Overview of an asphalt parking lot on the eastern side of the property, looking southeast

Figure 20. Overview photo of a CMU retaining wall comprising a portion of the southern boundary of the property, looking northeast

Figure 21. Close-up of the CMU block construction of the retaining wall comprising a portion of the southern boundary of the property, looking north

Figure 22. Overview of rubbish and debris below the southern property boundary, looking south

Summary and Recommendations

At the request of Group 70 International Inc., Honua Consulting LLC has completed an Archaeological Literature Review and Field Inspection (ALRFI) for the Department of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation located in Waiʻanae Uka Ahupuaʻa, Wahiawā District, Oʻahu Island, TMK: (1) 7-4-001:025. The project area is situated in Wahiawā town and consists of a commercial property with two buildings located at 525 and 535 Avocado Street. The property measures 0.2132 acres (9,288 square feet [sq. ft] or 863 square meters [sq. m]) in size and was formerly owned by Angelo's Auto Body & Detailing LLC.

This study was conducted for an Environmental Assessment (EA) Chapter 343 review to identify cultural resources in support of the proposed DOCARE Wahiawā Substation. The objectives of the ALRFI were to determine the project area's land-use history, to relocate and identify any historic properties or component features in the project area, and to evaluate the proposed project's potential effect on historic properties. This study is not an archaeological inventory survey (AIS); however, it has been conducted according to standards outlined in Hawaiʻi Administrative Rules (HAR) §13-276 for AIS studies and is intended to assist with the project's compliance with Hawaiʻi Revised Statutes (HRS) 6E-8 and HAR §13-275 in consultation with the State Historic Preservation Division (SHPD).

Wahiawā is most widely known as the birthplace of Hawaiian high chiefs due to the presence of Kūkaniloko, an important complex of birthing boulders located northwest of Wahiawā town. It is one of only two places in the island chain known for the birthing of chiefs. Kūkaniloko had a companion heiau, Hoʻolonopahu which heralded the arrival of the new chiefs. Based on this, it is likely that the area had a substantial traditional Hawaiian population. The riparian lands along the forks of Kaukonahua Stream and Poamoho Stream would have been cultivated with extensive loʻi terraces and other agricultural features with nearby kula (pasture) lands used for native gardens and habitation.

No moʻoleo or any other historical information was found regarding traditional use of the project area. It is located within Waiʻanae Uka and was generally part of the lands of the central plateau cleared for sandalwood during the early historic period. During the Māhele, the surrounding lands including the project area were retained by the Hawaiian Government as Crown Land. Later, the land was transferred to the Board of Education who leased it to W.C. Jones in 1875. The area that would become Wahiawā ahupuaʻa was annexed by the Hawaiian Territorial Government in 1898, and was divided into thirteen lots known as the Wahiawa Colony Tract. The project area was located within Lot 1B, sold as a portion of Land Grant 4616 to Mary E. Clark in 1902. The Clark Tract residential neighborhood including Avocado Street was constructed in 1916 and included a total of 86 lots, with the project area located within Lot 46. Aerial photographs and maps indicate the property remained undeveloped until the early 1950s when three commercial buildings and their associated parking lots and infrastructure were constructed on the property. The lot was subdivided to its current square footage in 1968 and the property and surrounding area has stayed relatively the same until the last 10 -15 years. Recent changes include demolishing the two story building on the property, construction of a CMU block addition to one of the buildings, and other alterations associated with fires on the property. As of now the buildings on the property are vacant and abandoned with squatters living and dumping garbage in the vicinity.

No previous archaeological studies have been conducted for the project area. However, it was included in a reconnaissance level survey for Wahiawā town that evaluated a total of 3,585 properties and provided National Register of Historic Places (NRHP) eligibility recommendations for 3,283 properties. The three structures within the project area were included in the survey with two of the buildings not evaluated for significance and the third assessed as ineligible for listing on the NRHP.

The archaeological field inspection consisted of a 100% pedestrian survey of the traversable portions of the project area. The project area was completely developed, and no historic properties were documented, and no significant artifacts or features were encountered during the field inspection. The lack of historic properties is due to development of the parcel which included excavation and subsurface utilities for the three (now two) commercial buildings, grading for asphalt and concrete paving of the remainder of the property, and construction of a retaining wall along the southern boundary of the property.

Since no plans have been finalized for the subject property in association with the DOCARE Wahiawā Substation project, recommendations include consultation with SHPD and an evaluation of historic buildings by a qualified architectural historian prior to development.

References Cited

Alexander, William DeWitt
1876 *Central Oahu*. Hawaiian Government Survey, Registered Map 399, Honolulu, HI. 1904 tracing by H.E. Newton. Accessed via http://ags.hawaii.gov/survey/map-search/

ASM Affiliates
2019 *A Cultural Impact Assessment for the Whitmore Agricultural Project TMKs: (1) 7-1-002:004 (por.) and 009) Wahiawā Ahupua'a, Wahiawā District, Island of O'ahu.* ASM Affiliates, Honolulu, HI.

Beckwith, Martha Warren
1970 *Hawaiian Mythology*. University of Hawaii Press, Honolulu, HI.

Bishop, Sereno Edwards
1916 *Reminiscences of Old Hawaii*. The Advertiser Historical Series No. 1. Hawaiian Gazette Co., Ltd., Honolulu, HI.

Colin, Brian L. and Hallett H. Hammatt
1994a *Archaeological Assessment of the Exploratory Well Site at Whitmore Village, Wahiawa, O'ahu (TMK: 7-1-09:64)*. Cultural Surveys Hawai'i Inc., Kailua, HI.

1994b *Archaeological Assessment of the Exploratory Well Site at Whitmore Village, Wahiawa, O'ahu (TMK: 7-3-07:09)*. Cultural Surveys Hawai'i Inc., Kailua, HI.

Coulter, John Wesley
1935 *A Gazetteer of the Territory of Hawaii*. University of Hawai'i, Honolulu, HI.

Cuddihy, Linda W. and Charles P. Stone
1990 *Alteration of Native Hawaiian Vegetation-Effects of Humans, Their Activities and Introductions*. Cooperative National Park Resources Studies Unit, University of Hawai'i at Mānoa, Honolulu, HI.

DiVito, Nathan J., Frederick LaChance IV, Rosanna M.R. Thurman, and Trisha K. Watson
2019 *Archaeological Literature Review and Field Inspection for the Wahiawa Value-Added Product Development Center, Wai'anae Ahupua'a, Wahiawā District, O'ahu Island, TMK: [1] 7-4-012:016.* Honua Consulting LLC, Honolulu, HI.

2021 *FINAL Archaeological Literature Review and Field Inspection for the Wahiawā Civic Center, Wai'anae Ahupua'a, Wahiawā District, O'ahu Island, TMK: [1] 7-4-004:001, 070 & 071, [1] 7-4-006:002 & 012.* Honua Consulting LLC, Honolulu, HI.

DiVito, Nathan J. and Trisha K. Watson
2025 *FINAL Archaeological Literature Review and Field Inspection for the Wahiawā Freshwater State Recreation Area, Wai'anae Ahupua'a, Wahiawā District, O'ahu Island, TMK: [1] 7-6-001:006.* Honua Consulting LLC, Honolulu, HI.

Dole, James D.
1939 Dole Tells Start of Pineapples. *The Honolulu Advertiser*, Tuesday, January 31, 1939. Honolulu, HI.

Emerson, J.S.
1904 *Court of Land Registration Map and Description with Petition 12, T.H Gibson, W.B. Thomas, and B.O. Clark Trustees filed April 3, 1904*. Court of Land Registration, Honolulu, HI.

Foote, Donald E., E. L. Hill, S. Nakamura and F. Stephen
1972 *Soil Survey of the Islands of Kaua'i, O'ahu, Maui, Molokai and Lanai, State of Hawaii*. U.S. Department of Agriculture, U.S. Government Printing Office, Washington, D.C.

Fornander, Abraham
1880 *An Account of the Polynesian Race: Its Origins and Migrations and the Ancient History of the Hawaiian People to the Times of Kamehameha I*. Vol. II. Trubner & Co., Ludgate Hill. London, UK.

Giambelluca, T.W., Q. Chen, A.G. Frazier, J.P. Price, Y.-L. Chen, P.-S. Chu, J.K. Eischeid, and D.M. Delparte
2013 Rainfall Atlas of Hawai'i, Interactive Map. Geography Department, University of Hawai'i-Mānoa. Accessed at http://rainfall.geography.hawaii.edu/interactivemap.html.

Gotay, Teresa and Matthew R. Clark
2020 *An Archaeological Inventory Survey for the Wahiawa Pedestrian Crossing Project, TMKs (1) 7-1-001:013, 015 (Por.), and 017 (Por.); 7-1-002:004 (Por.) and 009; and 7-4-007:006 (Por.) and 007 (Por.) Wahiawā Ahupua'a, Wahiawā (Waialua) District, Island of O'ahu.* ASM Affiliates, Honolulu, HI.

Griffin, Agnes E. and Martha Yent
1977 *Results of the Archaeological Survey of Phase I of Wahiawā Fresh Water Park.* Department of Land and Natural Resources Division of State Parks. Honolulu, HI.

Groza, Randy, David W. Shideler, and Hallett H. Hammatt
2014 *Literature Review and Field Inspection including Cultural History Iliahi Elementary School Play Court Project, Wahiawā Ahupua'a, Wahiawā District, O'ahu TMK: [1] 7-1-002:008 por*. Cultural Surveys Hawai'i, Inc., Kailua, HI.

Hammatt, Hallett H. and Rodney Chiogioji
2000 *Archaeological Assessment of a Proposed Water Line Route Between Whitmore Village and Wahiawā, in the Mauka Portion of Kamamanui Ahupua'a, Wahiawā District, Island of O'ahu (TMK: 7-1-02)*. Cultural Surveys Hawai'i, Inc., Kailua, HI.

Hammatt, Hallett H., David W. Shideler, and Melanie M. Mann
2002 *An Archaeological and Cultural Impact Evaluation for the Proposed Wahiawā Community Transit Center, Wahiawā Ahupua'a, Wahiawā District, Island of O'ahu (TMK: 7-4-06 por. 2 and por. 12)*. Cultural Surveys Hawai'i, Inc., Kailua, HI.

Handy, E.S. Craighill
1940 *The Hawaiian Planter Volume I His Plants, Methods, and Areas of Cultivation.* Bernice P. Bishop Museum Bulletin 161. Bishop Museum Press, Honolulu, HI.

Harvey, Fred E.
1916 *Clark Tract Being a portion of Grant 4616 to Mary E. Clark and a portion of Grant 4625 to Addie O. Clark. Wahiawa – Waialua – Oahu, T.H.* File Plan 160, Honolulu, HI. Accessed via http://ags.hawaii.gov/survey/map-search/

Hawkins, Richard A.
2011 *A Pacific Industry: The History of Pineapple Canning in Hawai'i.* I.B. Tauris, London, UK.

Henry, Jack D., Alan T. Walker, and Paul H. Rosendahl
1992 *An Archaeological Inventory Survey, Galbraith Trust Lands, Lands of Kamananui and Wahiawā, Waialua and Wahiawā Districts, Island of Oahu*. Paul H. Rosendahl PhD. Inc., Hilo, HI.

Jarves, James Jackson
1844 *History of the Hawaiian or Sandwich Islands: Embracing Their Antiquities, Mythology, Legends, Discovery by Europeans in the Sixteenth Century, Re-Discovery by Cook, with Their Civil, Religious, and Political History From the Earlies Traditionary Period to the Present Time.* Tappan and Dennet. Boston, MA.

Ka Hae Hawaii
1861 *Some Cannibals on Oahu in Olden Times, Halemano*. Ka Hae Hawaii. Honolulu, HI.

Kamakau, Samuel Mānaiakalani
1964 *Ka Po'e Kahiko: The People of Old*. Bishop Museum Press, Honolulu, HI.

1991 *Tales and Traditions of the People of Old, Nā Mo'olelo a ka Po'e Kahiko*. Bishop Museum Press, Honolulu, HI.

Ke Au Hou
1910 .Kaehuiki mano o Puuloa. *Ke Au Hou*, December 10, 14. Translated from Hawaiian in Hawaiian Ethnological Notes, Place Names, B.P. Bishop Museum, Honolulu, HI.

Ke Aloha Aina
1919 .Noted Places on the Island of Oahu. *Ke Aloha Aina*, April 4, 1919. Translated from Hawaiian in Hawaiian Ethnological Notes, Place Names, B.P. Bishop Museum, Honolulu, HI.

Koebig & Koebig, Inc.
1975 *Wahiawa Fresh Water Park Master Plan*. Koebig & Koebig, Inc., Honolulu, HI.

Liwosz, Chester R., Lisa Manirath, and Hallett H. Hammatt
2018 *Archaeologcial Literature Review and Field Inspection Report for the Wahiawā Water System Improvements Part 1A & 1B Project, Wahiawā and Wai'anae Uka Ahupua'a, Wahiawā District, O'ahu (TMKs: [1] 7-3-001-005, 007, 014, 017, 019, and 7-6-001 (multiple parcels)*. Cultural Surveys Hawai'i, Inc., Kailua, HI.

Lockhart, Bill and Russ Hoenig
2018 *Owens-Illinois Glass Co. – Part 2 The Bewildering Array of Owens-Illinois Glass Co. Logos and Codes*. Self Published.

Lyons, Curtis J.
1903 *A History of the Hawaiian Government Survey with Notes on Land Matters in Hawaii*. Hawaiian Gazette Co., Honolulu, HI.

Macdonald, Gordon A., Agatin T. Abbott, and Frank L. Peterson
1983 *Volcanoes in the Sea: The Geology of Hawaii*. University of Hawaii Press, Honolulu, HI.

McAllister, J.G.
1933 *Archaeology of Oahu.* Bernice P. Bishop Museum, Bulletin 104. Bishop Museum Press. Honolulu, HI.

McCurdy, Todd D. and Hallett H. Hammatt
2008 *Archaeological Literature Review and Field Inspection Report for the Leilehua High School Ball Park, Waiʻanae Uka Ahupuaʻa, Wahiawā District, Oʻahu (TMK: [1] 7-6-001:001)*. Cultural Surveys Hawaiʻi, Inc., Kailua, HI.

McIntosh, James, Timothy Denham, and Paul L. Cleghorn
1995 *Report of Archaeological Inventory Survey with Subsurface Testing for Work Area I of the Proposed Family Housing Project at Wheeler Army Airfield and Schofield Barracks Military Reservation, Wahiawā District, Oʻahu Island, Hawaiʻi (TMK: 7-7-01)*. Biosystems Analysis, Honolulu, HI.

Moffat, Riley Moore and Gary L. Fitzpatrick
1995 *Surveying the Mahele: Mapping the Hawaiian Land Revolution.* Volume 2 of Palapalaʻina. Editions Limited. Honolulu, HI.

Monsarrat, M.D.
1899 *Public Lands Map No. 25 Wahiawa Waialua, Oahu*. Territorial Government Survey, Registered Map 1941, Honolulu, HI. Accessed via http://ags.hawaii.gov/survey/map-search/

Nakuina, Emma M.B.
1897 The Legend of Oahunui. *Hawaiian Annual*, pg. 90-95. Honolulu, HI.

Nedbalek, Lani
1984 *Waipahu: A Brief History.* Wonder View Press, Mililani, HI.

Novell, Marilyn, Shannon Davis, Ryan Gross, and Robert B.Rechtman
2019 *Historic Properties Inventory Survey for the Whitmore Agricultural Project TMKs: (1) 7-1-002:004 (por.) and 009) Wahiawā Ahupuaʻa, Wahiawā District, Island of Oʻahu.* ASM Affiliates, Honolulu, HI.

Pan-Pacific Union
1911 The Romance of the Hawaiian Pineapple. *The Mid-Pacific Magazine*, Vol 1. A.H. Ford, Honolulu, HI.

Pukui, Mary Kawena, Sameul H. Elbert and Esther T. Mookini
1974 *Place Names of Hawaii*. The University of Hawaiʻi Press, Honolulu, HI.

O'hare, Constance R., Gina Farley, and Matthew McDermott
2017 *Archaeological Literature Review and Field Inspection Report for the Wahiawā Water System Improvements, Part IV Project, Wahiawā Ahupuaʻa, Wahiawā District, Island of Oʻahu, TMK: [1] 7-3, 7-4, 7-5*. Cultural Surveys Hawaiʻi, Inc., Kailua, HI.

2020 *Archaeological Monitoring Plan for the Wahiawā Water System Improvements, Part IV Project, Wahiawā Ahupuaʻa, Wahiawā District, Island of Oʻahu, TMK: (1) 7-3, 7-4, 7-5*. Cultural Surveys Hawaiʻi, Inc., Kailua, HI.

Rieth, Timothy
2008 *Archaeological Monitoring in Support of the Construction of a New Access Road Associated with the Hawai'i Regional Security Operations Center (HRSOC), Wahiawā, O'ahu, Hawai'i, TMK: 7-1-001:005 (Portion), 7-1-002:010 (Portion).* International Archaeological Institute Inc., Honolulu, HI.

Robins, Jennifer J. and Robert L. Spear
2002 *Cultural Resources Inventory Survey and Limited Testing, Phase I, of the Schofield Barracks Training Area for the Preparation of a Cultural Resource Management Plan for U.S. Army Training Ranges and Areas, O'ahu Island, Hawai'i (TMK 7-6-01 and 7-7-01).* Scientific Consulting Services Inc., Honolulu, HI.

Rosendahl, Paul. H.
1977 *Archaeological Inventory Survey and Evaluation Report for Installation Environmental Impact Statement for U.S. Army Support Command, Hawaii (USASCH) Part 1: Report Text.* Department of Anthropology, Bishop Museum, Honolulu, HI.

Stasack, Edward A., and Diane S. Stasack
2010 *Kūkaniloko Birthstones Monument, Wahiawā, O'ahu, Hawai'i. Rock Art (Petroglyph) Report*. Nana I Ka Piko and Office of Hawaiian Affairs, Honolulu, HI.

Sterling, Elspeth P., and Catherine C. Summers
1978 *Sites of Oahu*. Bishop Museum Press, Honolulu, HI.

Stilgenbauer, Judith, Hayley Diamond, Diane Moore, Ariel Dungca, Calvin Bulan, Matt Higa, Michael Honyak, Mark Lombawa, Jonathon Quach, and Valerie Ribao
2019 *Lake Wilson:Wahiawā Freshwater State Recreation Area Study and Proof-of-Concept Design*. University of Hawai'i Community Design Center, Honolulu, HI.

Stuart, Patience, Leesa Gratreak, and Kirk Ranzetta
2014 *Reconnaissance Level Survey Report Hawai'i SHPD Wahiawā Historic RLS Wahiawā, Hawai'i*. URS, Portland, OR.

Thompson, Erwin N.
1986 National Register of Historic Places-Nomination Form for Wheeler Field. United States Department of the Interior, National Park Service, Western Regional Office. San Francisco, CA.

Thrum, Thomas G.
1911 *Hawaiian Almanac and Annual for 1912*. Thos. G. Thrum (compiler and publisher), Honolulu, HI.

Tomonari-Tuggle, Myra J., and Katherine Bouthillier
1994 *Archaeology and History on the Central O'ahu Plateau: Historical Resources Study of Wheeler Army Airfield, 1920-1952*. International Archaeological Institute Inc., Honolulu, HI.

Tulchin, Todd, and Hallett H. Hammatt
2006 *Archaeological Literature Review and Field Inspection for the Proposed Whitmore Village Development Project, Kamananui Ahupua'a, Wahiawā District, Island of O'ahu, TMK: [1] 7-1-002:004 por., 030 por., 031, 032 por., 033.*. Cultural Surveys Hawai'i, Inc., Kailua, HI.

Ulukau
2023 Hawaiian Dictionaries. Ulukau Hawaiian Electronic Library. Accessed at < https://wehewehe.org/

U.S. Army
1927 U.S Army aerial photograph. Accessed via https://guides.library.manoa.hawaii.edu/aerials/digital.

1928 U.S. Army aerial photograph. Accessed via https://guides.library.manoa.hawaii.edu/aerials/digital.

1944 U.S. Army Schofield Barracks Quadrangle. Accessed via https://guides.library.manoa.hawaii.edu/maps/hawaiiquadindexes.

U.S. Geological Survey (USGS)
1962 U.S. Geological Survey Orthophoto, Schofield Barracks Quadrangle. Accessed via https://guides.library.manoa.hawaii.edu/maps/hawaiiquadindexes.

1977 U.S. Geological Survey Orthophoto, Schofield Barracks Quadrangle. Accessed via https://guides.library.manoa.hawaii.edu/aerials/digital.

Van Dyke, Jon M.
2008 *Who Owns the Crown Lands of Hawai'i*. University of Hawai'i Press, Honolulu, HI.

West, Eric
2005 *Addendum to: Phase I Archaeological Survey of the Hawai'i Regional Security Operations Center (HRSOC) Project Site, Naval Computer and Telecommunications Center Area Master Station (NCTAMS PAC) and Vicinity, Wahiawa, O'ahu, Hawai'i, TMK: 7-1-02:7 Portion*. Department of the Navy, Naval Facilities Engineering Command Pacific, Pearl Harbor, HI.

West, Eric, and Karen Desilets
2005 *Second Addendum to: Phase I Archaeological Survey of the Hawai'i Regional Security Operations Center (HRSOC) Project Site, Naval Computer and Telecommunications Center Area Master Station (NCTAMS PAC) and Vicinity, Wahiawa, O'ahu, Hawai'i, TMK: 7-1-02:7 Portion*. Department of the Navy, Naval Facilities Engineering Command Pacific, Pearl Harbor, HI.

West, Eric, and Emily Donaldson
2004 *Phase I Archaeological Survey of the Hawai'i Regional Security Operations Center (HRSOC) Project Site, Naval Computer and Telecommunications Center Area Master Station (NCTAMS PAC) and Vicinity, Wahiawa, O'ahu, Hawai'i, TMK: 7-1-02:7 Portion*. Department of the Navy, Naval Facilities Engineering Command Pacific, Pearl Harbor, HI.

Wilcox, Carol
1996 *Sugar Water: Hawaii's Plantation Ditches*. University of Hawai'i Press, Honolulu, HI.

Woodbury, David O.
1946 *Builders for Battle: How the Pacific Naval Air Bases Were Constructed*. 1st edition, E.P Dutton, New York, NY.

Wall, Walter E.
1899 *Public Lands Map No. 25 Wahiawa Waialua, Oahu*. Territorial Government Survey, Registered Map 1941, Honolulu, HI. Accessed via http://ags.hawaii.gov/survey/map-search/

Yent, Martha
1995 *Kūkaniloko Birthstones Monument Wahiawā, Oahu (State Site No. 50-80-04-218), TMK: 7-1-01:4. September 1995*. Division of State Parks, Department of Land and Natural Resources, Honolulu, HI.

1999 *Interpretive Plan Kūkaniloko Birthstones Monument Wahiawā, Oahu (State Site No. 50-80-04-218)*. Āina Hoomalu Interpretive Program, Division of State Parks, Department of Land and Natural Resources, Honolulu, HI.

Yent, Martha, and Kelly Cheesebourough
2024 Final *Archaeological Assessment for Proposed Parking Lot Expansion with Picnic Shelters, Benches, and Sign Kiosk, Wahiawā, Freshwater State Recreation Area, Wai'anae Uka Ahupua'a, Wahiawā Moku, O'ahu, TMK: (1) 7-6-001:006 por.* State Parks Archaeology Program, Division of State Parks, Department of Land and Natural Resources, Honolulu, HI.

Maps throughout this report were created using ArcGIS Pro® software by Esri. ArcGIS Pro® is the intellectual property of Esri and are used herein under license. Copyright © Esri. All rights reserved. For more information about Esri® software, please visit www.esri.com.

Appendix H

Cultural Impact Assessment

Draft Cultural Impact Assessment Report for the Proposed Department of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation, Waiʻanae Uka Ahupuaʻa, Wahiawā District, Oʻahu Island TMK: (1) 7-4-001:025

Prepared for
G70 and the State of Hawaii Department of Land and Natural Resources

Prepared by

HONUA CONSULTING

September 2025

Authors and Lead Researchers

Trisha Kehaulani Watson, J.D., Ph.D.

Assistant Researchers and Authors

Matthew Sproat
Chris Monahan, Ph.D.
Nathan DiVito, M.A.
Kulani Boyne, B.S.

Associate Researchers and Authors

Kepā Maly
Onaona Maly

Note on Hawaiian language usage

In keeping with other Hawaiian scholars, we do not italicize Hawaiian words. Hawaiian is both the native language of the pae ʻāina (archipelago) of Hawaiʻi and an official language of the State of Hawaiʻi. Some authors will leave Hawaiian words italicized if part of a quote; we do not. In the narrative, we use diacritical markings to assist our readers, except in direct quotes, in which we keep the markings used in the original text. We provide translations contextually when appropriate.

Front Cover Credit

Honua Consulting (2025) Photo of Project Area

Executive Summary

At the request of G70, on behalf of the client, the State of Hawai‘i Department of Land and Natural Resources, Division of Conservation and Resources Enforcement (DOCARE), Honua Consulting, LLC prepared a Cultural Impact Assessment for the proposed DOCARE Wahiawā Substation located in Wai‘anae Uka Ahupua‘a, Wahiawā District, O‘ahu Island, TMK: (1) 7-4-001:025. The project area is situated in Wahiawā town and consists of a commercial property with two buildings located at 525 and 535 Avocado Street. The property measures 0.2132 acres (9,288 square feet [sq. ft] or 863 square meters [sq. m]) in size and was formerly owned by Angelo’s Auto Body & Detailing LLC.

Wahiawā has a distinctive history regarding its borders and designation. Historically, Wahiawā was part of Wai‘anae moku – specifically Wai‘anae Uka – before being reclassified as part of Waialua moku. In 1913, Wahiawā was established with lands taken from Waialua and Wai‘anae Uka; although technically called an ahupua‘a in modern terms, residents, cultural practitioners, and civic groups from the area identify Wahiawā as a kalana, a land division smaller than a moku and most similar to a county. The whole area is also known as Kūkaniloko by these individuals, which has been mentioned in the passages and entries examined in this assessment. To ensure consistency and honor the local community’s expertise, Wahiawā will be referred to as a “kalana” throughout this report.

Research for this report involved a comprehensive search of Hawaiian language documents, including but not limited to the Bishop Museum Mele Index and Bishop Museum archival records, including the Hawaiian language archival cache. All Hawaiian language documents were reviewed by experts in the language to find relevant information for the report. Relevant documents are included here, and translations are provided when appropriate for the discussion. Summaries of interviews and information on other oral testimonies are also included.

The Wahiawā region is rich with both pre-contact and post-contact histories. The project is unlikely to have any adverse impact on pre-contact historic properties or Hawaiian cultural practices. This study looked comprehensively at all historical records for the region and did not identify any current cultural practices or customs that the project activity would potentially impact. The oral histories from the area supported this conclusion. The parcel is adjacent to an encampment of houseless persons. The project would result in a net benefit to the management and care of the region’s natural resources by having more resource officers available, with a secondary benefit to cultural practices that occur in the area, resulting from greater protection of natural resources that can be utilized for cultural practices.

Table of Contents

EXECUTIVE SUMMARY II
TABLE OF CONTENTS III
LIST OF FIGURES V
LIST OF TABLES V
ABBREVIATIONS AND ACRONYMS VI
1.0 PROJECT DESCRIPTION AND COMPLIANCE 1
1.1 Description of the Project Area 1
1.2 Compliance 7
1.3 Geographic Extent 8
2.0 METHODOLOGY 9
2.1 Identifying Traditional and Customary Practices 11
2.2 Traditional Knowledge, or Ethnoscience, and the Identification of Cultural Resources 13
2.3 Moʻolelo ʻĀina: Native Traditions of the Land 14
2.4 Historic Maps 14
2.5 Archaeological and Biological Studies 14
2.6 Ethnographic Methodology 15
3.0 DESCRIPTION AND TRADITIONAL HISTORY OF THE PROJECT AREA 16
3.1 Inoa ʻĀina (Place Names) 16
3.1.1 Wahiawā 19
3.1.2 Kalena (Kamaoha, etc.) 21
3.1.3 Līhuʻe 29
3.1.4 Waiʻanae Uka 30
3.1.5 Poamoho 31
3.1.6 Kaukonahua 32
3.1.7 Kūkaniloko 32
3.1.8 Keanianileihuaokalani 37
3.1.9 Helemano 39
3.1.10 Kuaʻikua 40
3.2 Pre-Western Contact Period 41
3.3 Early Historic Period to Mid-1800s 41
3.3.1 Land Grant 973 43
3.4 1890s to Present Day 46
3.4.1 Pineapple 47
3.4.2 Military 52
3.4.3 20th Century History 52
4.0 ETHNOGRAPHIC DATA 55
4.1 Previous Interviews from Nearby Projects 55
4.2 Interview with Dodge Paikuli Watson 56
4.3 Interview with Kumu Hula Noelani DeVincent 58
5.0 IMPACT ASSESSMENT 61
5.1 Impacts to Flora 61
5.2 Impacts to Fauna 61

5.3 Impacts to Historic Sites 61
5.4 Impacts on Intangible Cultural Resources 61
5.5 Impacts to Cultural Practices 61
5.6 Cumulative and Indirect Impacts 61
5.7 Mitigation and Best Management Practices 62
6.0 *KA PA'AKAI* ANALYSIS 63
7.0 CONCLUSION AND PUBLIC TRUST ANALYSIS 66
8.0 REFERENCES 71
APPENDIX I: GLOSSARY OF HAWAIIAN TERMS 77

(This area intentionally left blank.)

List of Figures

Figure 1. Topography Map of Project Area (U.S. Geological Survey (USGS), 2013).....2
Figure 2. Aerial View Map of Project Area 3
Figure 3. Project Area on TMK Map Portion (1) 7-6-001.....4
Figure 4. Portion of a 2013 USGS Topographic Map with Soil Series Overlay showing Anticipated Soils within the Project Area 6
Figure 5. Diagram of Elements that Contribute to Traditional or Customary Practices (Honua Consulting) 12
Figure 6. The Project Area on a Portion of a 1904 Hawaii Territory Survey Map of Central Oʻahu by W.E. Wall (Registered Map 399).....18
Figure 7. First Page of Palapala Sila Nui No. 973 for Area including Wahiawā.....44
Figure 8. Second Page of Palapala Sila Nui No. 973 45
Figure 9. An 1899 Public Lands Map Showing How the Land was Divided into Plots for Colonists and Agricultural Use (Monsarrat, 1899; Registered Map 1941).....47
Figure 10. Engine "45," One of the Early Engines to Begin Service to Wahiawā ("Oahu Railway," 1939, p. 15). 50
Figure 11. Portion of a 1927 Army Aerial Photograph showing the Project Area (U.S. Army, 1927).....51
Figure 12. Interpretive map by the Wahiawa Historical Society (n.d.) of Historic Sites located in Wahiawā town.....53

List of Tables

Table 1. List of Inoa ʻĀina of Wahiawā.....16

(This area intentionally left blank.)

Abbreviations and Acronyms

BMPs: Best Management Practices
CIA: Cultural Impact Assessment
DLNR: Department of Land and Natural Resources
DOCARE: Division of Conservation and Resource Enforcement
EA: Environmental Assessment
HAR: Hawai‘i Administrative Rules
HLMG: Helemano Silty Clay, 30-90% slopes
HRS: Hawai‘i Revised Statutes
HSL: Hawai‘i State Legislature
Huapala: Huapala Hawaiian Hula Archives
ICH: Intangible Cultural Heritage
Ka Pa‘akai:
L.C.A.: Land Commission Awards
LG: Land Grants
LOTUS: Lord of the Universe Society
LRFI: Literature Review and Field Investigation
Māhele: The Māhele ‘Āina of 1848
OR&L: O’ahu Railway & Land Company
SHPD: State Historic Preservation Division
SLH: Session Laws of Hawai‘i
SRA: State Recreation Area
TMK: Tax Map Key
USGS: United States Geological Survey
WaA: Wahiawa Silty Clay, 0-3% slopes
WaB: Wahiawa Silty Clay, 3-8% slopes

(This area intentionally left blank.)

1.0 Project Description and Compliance

At the request of G70, on behalf of the client, the State of Hawai‘i Department of Land and Natural Resources, Division of Conservation and Resources Enforcement (DOCARE), Honua Consulting, LLC prepared a Cultural Impact Assessment for the proposed DOCARE Wahiawā Substation located in Wai‘anae Uka Ahupua‘a, Wahiawā District, O‘ahu Island, TMK: (1) 7-4-001:025. The project area is situated in Wahiawā town and consists of a commercial property with two buildings located at 525 and 535 Avocado Street. The property measures 0.2132 acres (9,288 square feet [sq. ft] or 863 square meters [sq. m]) in size and was formerly owned by Angelo’s Auto Body & Detailing LLC.

Wahiawā has a unique history in terms of its borders and designation. Traditionally, Wahiawā was a part of Wai‘anae moku (district) – specifically Wai‘anae Uka – before being reclassified as part of Waialua moku. In 1913, Wahiawā was created with lands taken from Waialua and Wai‘anae Uka; although technically referred to as an ahupua‘a (traditional land division) in a modern context, residents, cultural practitioners, and civic clubs from the area classify Wahiawā as a kalana, which is a land division smaller than a moku and most closely resembling a county. The entire area is also referred to as Kūkaniloko by these individuals, which has been referenced in the passages and entries explored in this CIA. For the sake of consistency and to respect the expertise of the native community, Wahiawā will be labeled as a “kalana” throughout this report.

1.1 Description of the Project Area

The State of Hawai‘i, Department of Land and Natural Resources (DLNR) is in the process of acquiring Tax Map Key (TMK) parcel (1) 7-4-001:025 located in Wahiawā, O‘ahu. Once acquired, the site will serve as a Division of Conservation and Resources Enforcement (DOCARE) substation. Currently, officers patrolling the Wahiawa and North Shore area are serviced by the main station in Pearl City. To support enforcement operations, DOCARE plans on operating a smaller substation in Wahiawā, providing officers patrolling the area with nearby office space, a secure evidence storage room, and storage for larger equipment. Access to the substation will be restricted to DOCARE officers and administrators.

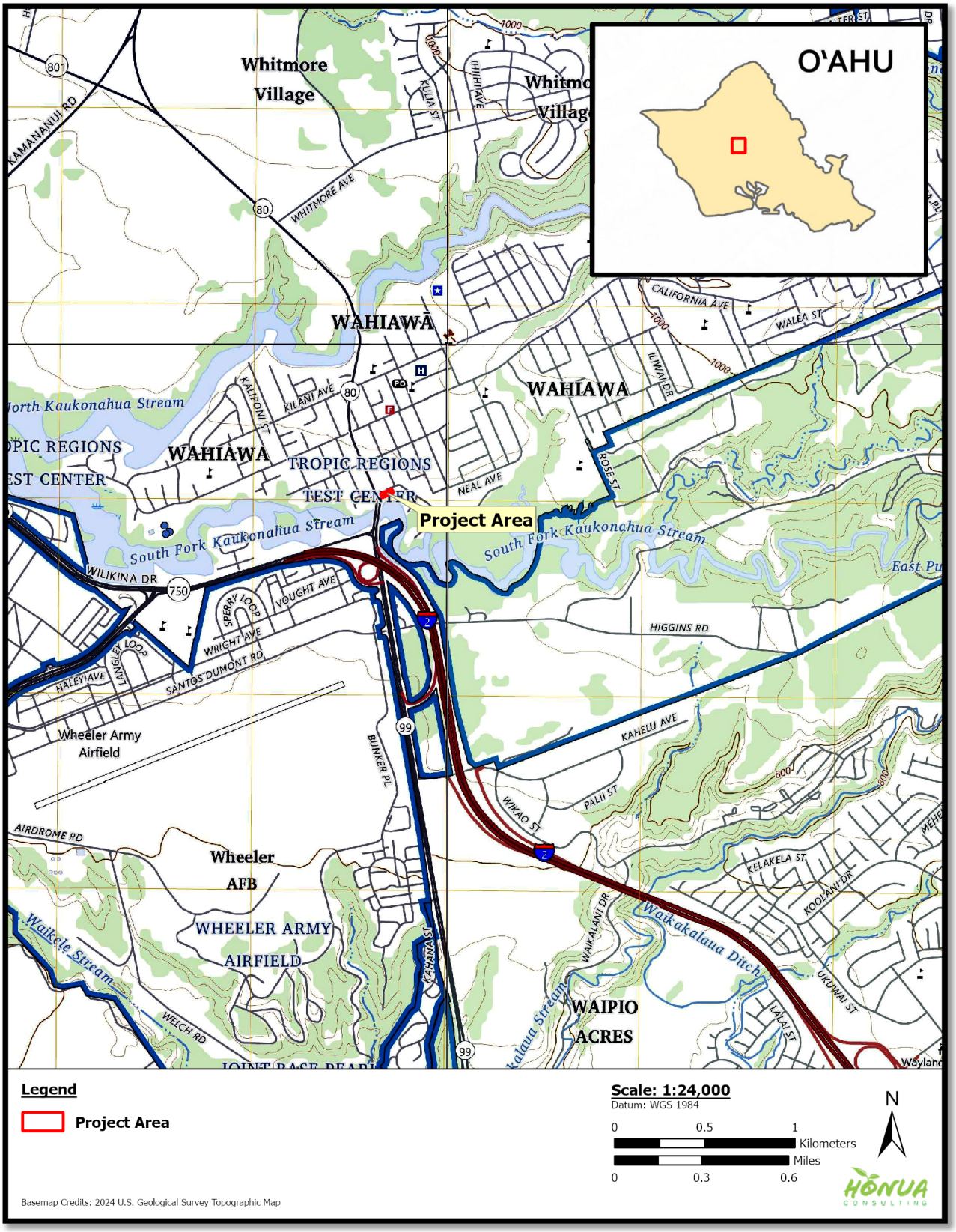


Figure 1. Topography Map of Project Area (U.S. Geological Survey (USGS), 2013)

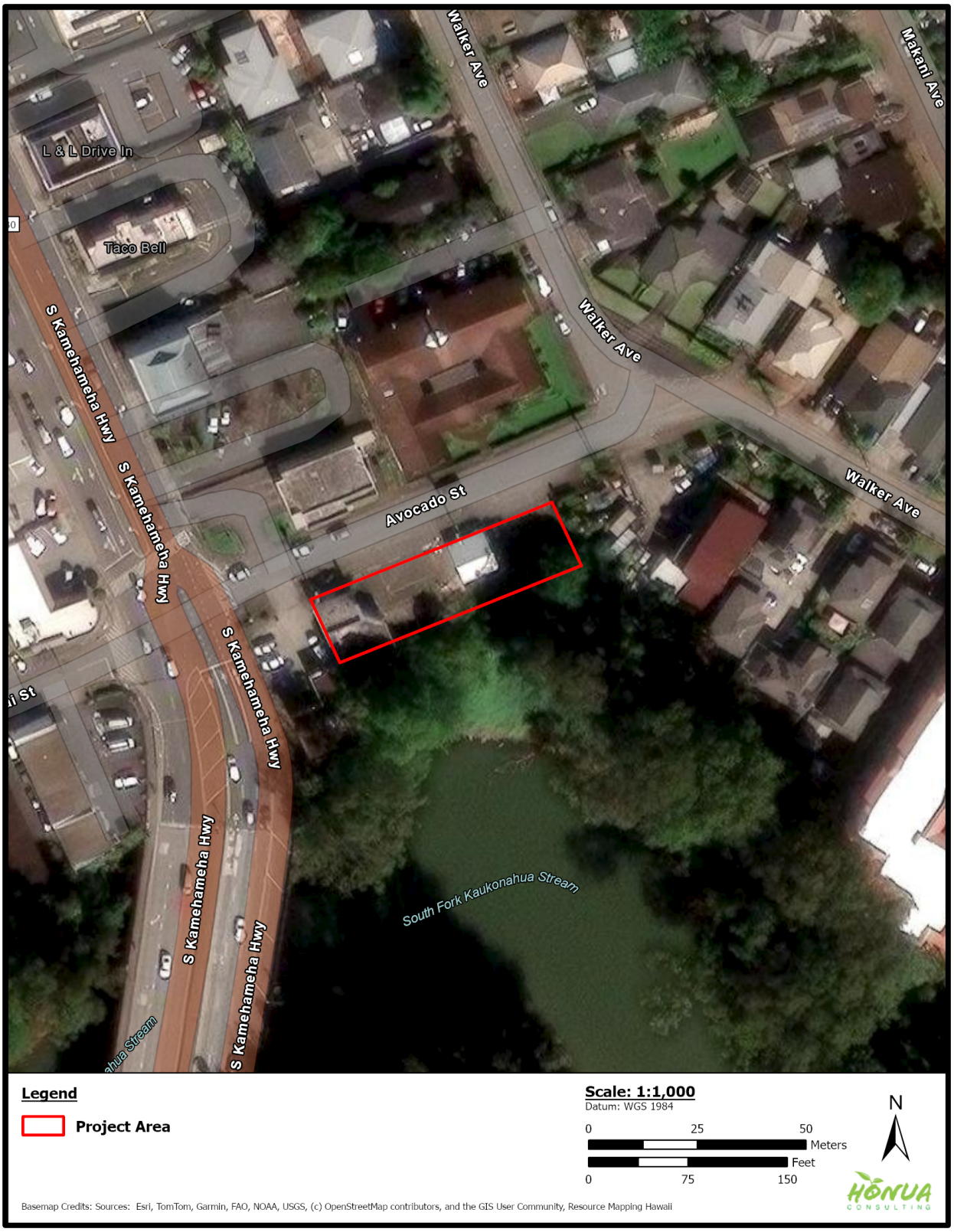


Figure 2. Aerial View Map of Project Area

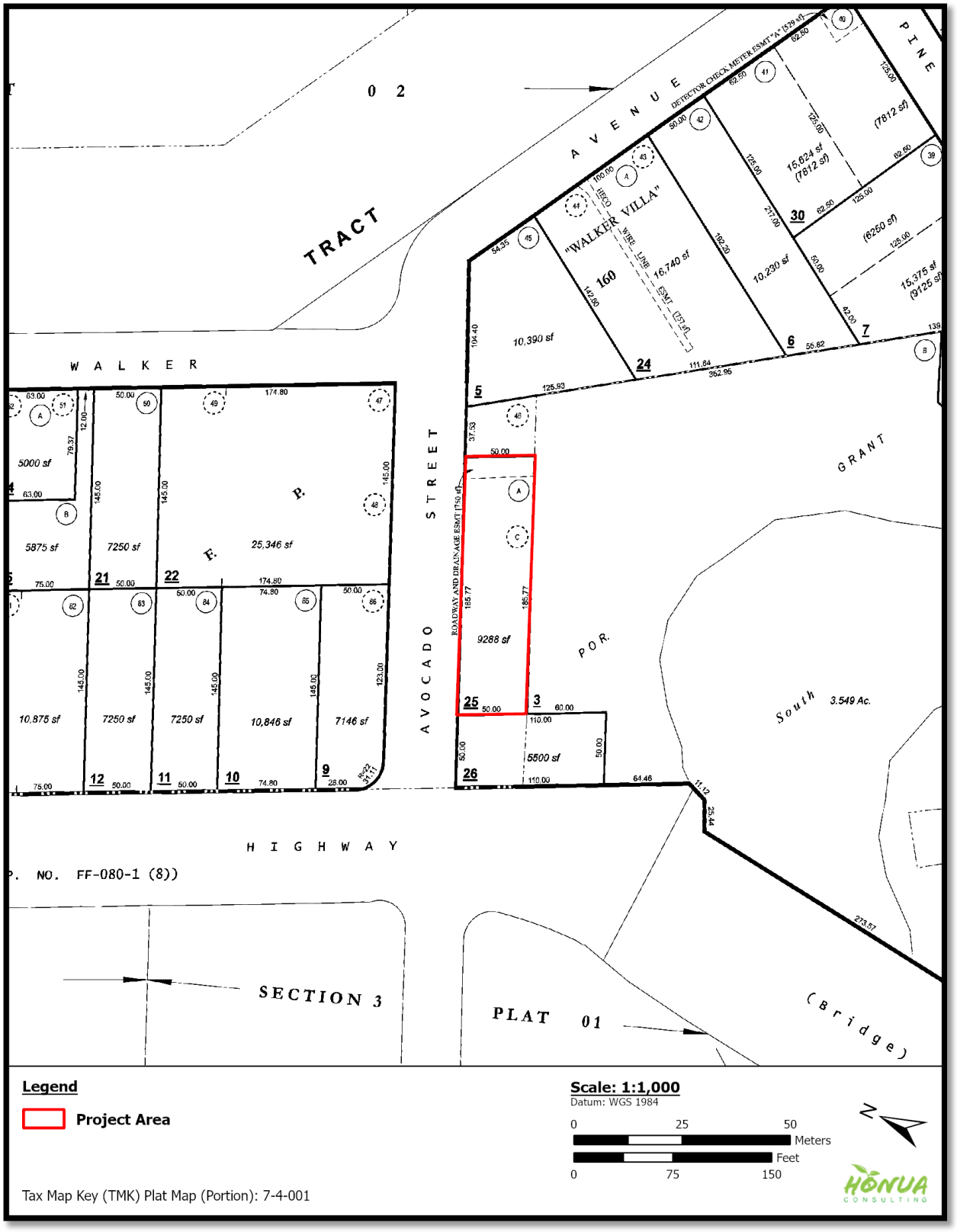


Figure 3. Project Area on TMK Map Portion (1) 7-6-001

The project area is located on the central Oʻahu plateau which was formed by lava from the Koʻolau Volcano banking against the eroded slope of the Waiʻanae Volcano (Macdonald et al. 1983:420). It is located within the traditional district (moku) of Wahiawā and the traditional land division (ahupuaʻa) of Waiʻanae. At this location Waiʻanae Uka Ahupuaʻa is bordered by Kamananui Ahupuaʻa to the north and Waikele Ahupuaʻa to the south.

The elevation of the project area is approximately 267 meters (875 ft) above mean sea level and is located approximately 10 miles (16.1 km) from the nearest coastline. It receives annual rainfall ranging between 1,144 and 1,197 mm (45 and 47 in), with wetter months in the period of November through March (Giambelluca et al. 2013). This portion of the plateau is dissected by many small streams and tributaries that flow from the Koʻolau Mountain range west to the ocean. The closest water souce to the project area is a portion of the south fork of Kaukonahua Stream located approximately 30 m (98 ft) to the south.

A single soil type is present within the project area and consists of Wahiawa silty clay on slopes ranging from 0 to 3 percent (WaA) (**Error! Reference source not found.**). The Wahiawa soil series consists of well-drained soils on uplands on the island of Oʻahu. This soil type developed in residuum and old alluvium derived from basic igneous rock (Foote et al. 1972:124). They are nearly level to moderately steep and elevations range from 500 to 1,200 ft (152.4 to 365.7 m). These soils are generally used for sugarcane, pineapple, pasture, and homesites. The natural vegetation consists of bermudagrass (*Cynodon dactylon*), guava (*Psidium guajava*), honohono (*Commelina diffusa*), koa haole (*Leucaena leucocephala*), and lantana (*Lantana camara*). None of these species are present on the project.

The project area lot is completely developed and contains two one-story commercial buildings with the remainder paved over with asphalt and concrete. The buildings have been constructed of Concrete Masonry Unit (CMU) block and a CMU block retaining wall runs along a portion of the southern boundary of the property. Subsurface utilities are present throughout the property with utility boxes located along Avocado Street.

(This area intentionally left blank.)

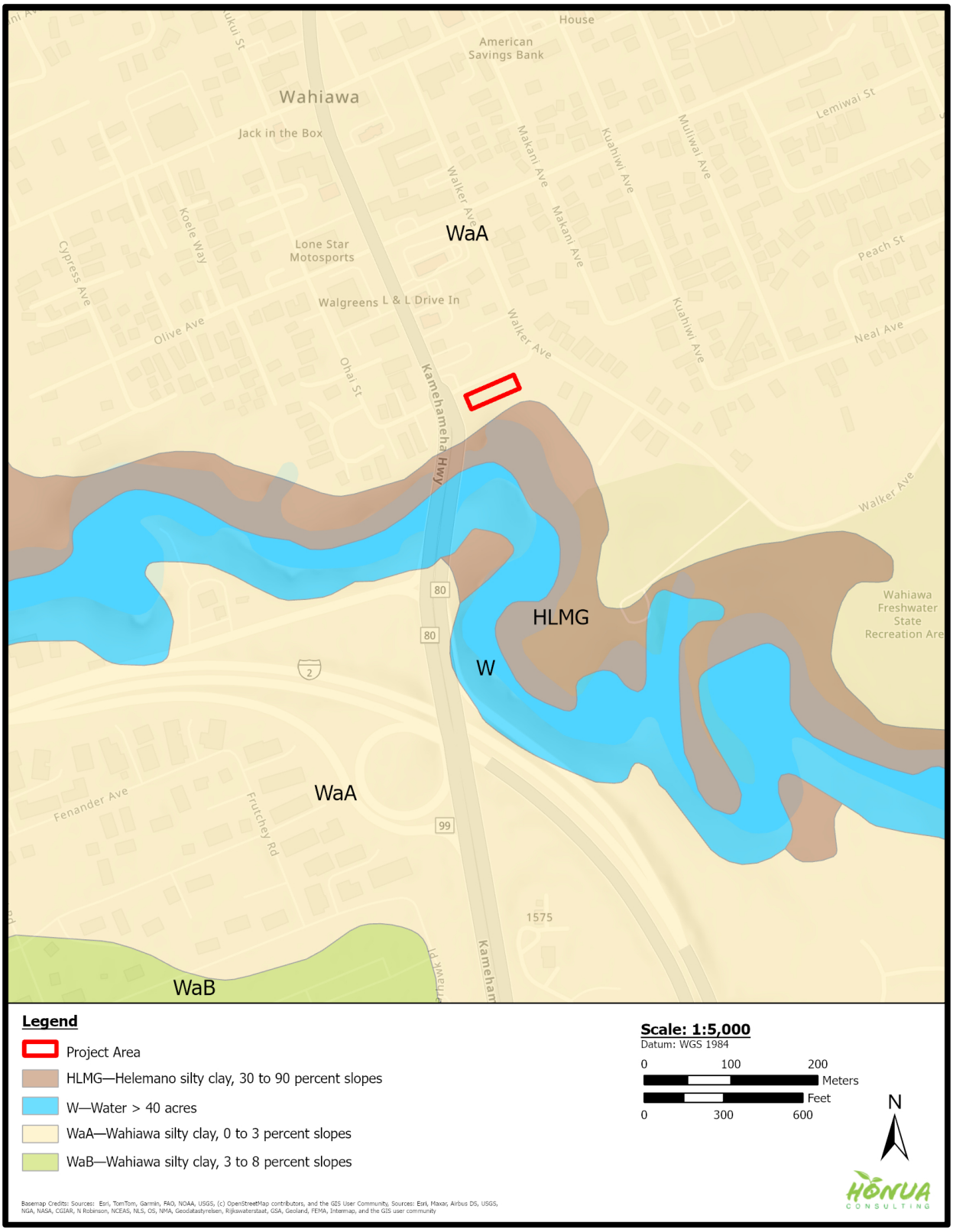


Figure 4. Portion of a 2013 USGS Topographic Map with Soil Series Overlay showing Anticipated Soils within the Project Area

1.2 Compliance

The State and its agencies have an affirmative obligation to preserve and protect the Native Hawaiians' customarily and traditionally exercised rights to the extent feasible.[1] State law further recognizes that the cultural landscapes provide living and valuable cultural resources where Native Hawaiians have and continue to exercise traditional and customary practices, including hunting, fishing, gathering, and religious practices. In *Ka Pa'akai*, the Hawai'i Supreme Court provided government agencies with an analytical framework to ensure the protection and preservation of traditional and customary Native Hawaiian rights while reasonably accommodating competing private development interests. This is accomplished through:

1) The identification of valued cultural, historical, or natural resources in the project area, including the extent to which traditional and customary Native Hawaiian rights are exercised in the project area;
2) The extent to which those resources—including traditional and customary Native Hawaiian rights—will be affected or impaired by the proposed action; and
3) The feasible action, if any, to be taken to reasonably protect Native Hawaiian rights if they are found to exist.

Articles IX and XII of the State Constitution, other state laws, and the courts of the state require government agencies to protect and preserve cultural beliefs, practices, and resources of Native Hawaiians and other ethnic groups. To assist decision makers in the protection of cultural resources, Chapter 343, Hawai'i Revised Statutes (HRS) and Hawai'i Administrative Rules (HAR) § 11-200 rules for the environmental impact assessment process require project proponents to assess proposed actions for their potential impacts to cultural properties, practices, and beliefs.

This process was clarified by the Act 50, Session Laws of Hawai'i (SLH) 2000. Act 50 recognized the importance of protecting Native Hawaiian cultural resources and required some environmental review documents include the disclosure of the effects of a proposed action on the cultural practices of the community and state, and the Native Hawaiian community. Specifically, the Environmental Council suggested the CIAs should include information relating to practices and beliefs of a particular cultural or ethnic group or groups. Such information may be obtained through public scoping, community meetings, ethnographic interviews, and oral histories.

It is important to note that while similar in their areas of studies, archaeological surveys and CIAs are concerned with distinct and different foci. Archaeological studies are primarily

[1] Article XII, Section 7 of the Hawai'i State Constitution, *Ka Pa'akai O Ka 'Āina v. Land Use Commission*, 94 Haw. 31 [2000] (Ka Pa'akai), Act 50 SLH 2000.

concerned with historic properties and tangible heritage, whereas CIAs look at cultural practices and beliefs, which can be associated with a specific location, but also often intangible in nature.

This CIA is being prepared under HRS Chapter 343 and Act 50 SLH 2000. The appropriate information concerning the kalana of Wahiawā has been collected, focusing on areas near or adjacent to the project area. A thorough analysis of this project and potential impacts on cultural resources, historical resources, and archaeological sites is included in this assessment.

This CIA provides an overview of cultural and historic resources in the project area using thorough literature review, community and cultural practitioner consultation, and high-level, project-specific surveys. This CIA focuses on identifying areas in which disturbance should be avoided or minimized to reduce impacts to historic properties or culturally important features. The paramount goal is to prevent impacts through avoidance of sensitive areas and mitigating for impacts only if avoidance is not possible.

1.3 Geographic Extent

The geographic extent for impacts to cultural resources and historic properties includes the project area and localized surroundings. This CIA also reviews some of the resources primarily covered by the regulatory review. It primarily researches and reviews the range of biocultural resources identified through historical documents, traditional knowledge, information found in the Hawaiian language historical cache, and oral histories and knowledge collected from cultural practitioners and experts.

The best practice for ethnographic surveys is to define a geographic extent beyond the identified or typical boundaries of the geographic project area. The recommended area is typically the size of the ahupua‘a or moku/kalana, but this can be larger or smaller depending on what best helps to identify the resources appropriately.

The geographic extent of the survey is based on the position that the “Project Area” is part of a cultural landscape or cultural landscapes that therefore it is most appropriate to set and study the proposed alternatives within that cultural context.

(This area intentionally left blank.)

2.0 Methodology

The approach to developing the CIA is as follows:

1) Gather Best Information Available
   a) Gather historic cultural information from stories and other oral histories about the affected area to provide cultural foundation for the report;
   b) Inventory as much information as can be identified about as many known cultural, historic, and natural resources, including previous archaeological inventory surveys, CIAs, etc. that may have been completed for the possible range of areas; and
   c) Update the information with interviews with cultural or lineal descendants or other knowledgeable cultural practitioners.
2) Identify Potential Impacts to Cultural Resources
3) Develop Reasonable Mitigation Measures to Reduce Potential Impacts
   a) Involve the community and cultural experts in developing culturally appropriate mitigation measures; and
   b) Develop specific Best Management Practices (BMPs), if any are required, for conducting the project in a culturally appropriate and/or sensitive manner as to mitigation and/or reduce any impacts to cultural practices and/or resources.

While numerous studies have been conducted on this area, few have effectively utilized Hawaiian language resources and Hawaiian knowledge. This appears to have impacted the modern understanding of this location, as many relevant documents are testimonies given by Kānaka ʻŌiwi[2] (Native Hawaiians) who lived on this land and have been excluded from past studies. Therefore, efforts to identify and include historical accounts, including those from Hawaiian language resources, were included in this methodology.

While hundreds of place names and primary source historical accounts (from both Hawaiian and English language narratives) are cited on the following pages, it is impossible to glean the whole story of these lands in any given manuscript. These primary source historical accounts cover a range of history spanning generations. Importantly, the resources herein are a means of connecting people with the history of their communities and validating that they are part of that history. Knowledge of place will, in turn, promote appreciation for place and encourage acts of stewardship for the valued resources that are passed on to the future.

[2] Interchangeable synonyms include Kānaka Hawaiʻi, Kānaka Maoli, Hawaiian, and Native Hawaiian. While "Native Hawaiian" is defined by federal and state law as having fifty percent or higher blood quantum tracing back to the aboriginal inhabitants of the Hawaiian Islands at the point of initial western contact (1778), within a cultural context, Native Hawaiian and all related synonyms refer to the descendants of the aboriginal people of the Hawaiian Islands and their culture, beliefs, and practices "mai ka pō mai" (from the ancient past) to the present.

Background research was conducted using materials obtained from the State Historic Preservation Division (SHPD) library in Kapolei and the Honua Consulting LLC report library. On-line materials consulted included the Ulukau Electronic Hawaiian Database (www.ulukau.com), Papakilo Database (www.papakilodatabase.com), the State Library on-line (http://www.librarieshawaii.org/Serials/databases.html), and Waihona ʻĀina Māhele database (http://www.waihona.com). Hawaiian terms and place names were translated using the on-line Hawaiian dictionaries (Nā Puke Wehewehe ʻŌlelo Hawaiʻi) (www.wehewehe.com), *Place Names of Hawaiʻi* (Pukui et al., 1974), and *Hawaiʻi Place Names* (Clark, 2002). Historic maps were obtained from the State Archives, State of Hawaiʻi Land Survey Division website (http://ags.hawaii.gov/survey/map-search/), UH-Mānoa Maps, Aerial Photographs, and MAGIS website (http://guides.library.manoa.hawaii.edu/magis). Maps were geo-referenced for this report using ArcGIS 10.3. GIS is not perfectly precise and historic maps were created with inherent flaws; therefore, geo-referenced maps should be understood to have some built-in inaccuracy.

While conducting the research, primary references included, but were not limited to: land use records, including the Hawaiian Land Commission Awards (L.C.A.) records from the Māhele ʻĀina (Land Division) of 1848; the Boundary Commission Testimonies and Survey records of the Kingdom and Territory of Hawaiʻi; and historical texts authored or compiled by numerous native and foreign writers. The study also includes several native accounts from Hawaiian language newspapers (primarily compiled and translated from Hawaiian to English by Kepā Maly), and historical records authored by nineteenth century visitors, and residents of the region.

M. P. Nogelmeier (2010) discusses the adverse impacts of methodology that fails to properly research and consider Hawaiian language resources. He strongly cautions against a mono-rhetorical approach that marginalizes important native voices and evidence from consideration, specifically in the field of archaeology. For this reason, Honua Consulting consciously employs a poly-rhetorical approach, whereby all data, regardless of language, is researched and considered. To fail to access these millions of pages of information within the Hawaiian language cache could arguably be a violation of Act 50, as such an approach would fundamentally fail to gather the best information available, especially considering the voluminous amounts of historical accounts available for native tenants in the Hawaiian language.

Hawaiian culture views natural and cultural resources as largely inextricable: without the resources provided by nature, cultural resources could and would not be procured. From a Hawaiian perspective, all natural and cultural resources are interrelated, and all natural and cultural resources are culturally significant. Kepā Maly (2001), ethnographer and Hawaiian language scholar, points out, “In any culturally sensitive discussion on land use in Hawaiʻi, one must understand that Hawaiian culture evolved in close partnership with its natural

environment. Thus, Hawaiian culture does not have a clear dividing line of where culture ends and nature begins" (p. 1). As leading researchers and scholars on Hawaiian culture, Maly, along with his wife, Onaona, have conducted numerous ground-breaking studies on cultural histories throughout Hawai'i. A substantial part of the archival research utilized in this study was previously compiled and published by Kepā and Onaona Maly, who have granted their permission to use this important work and are identified properly as associated authors and researchers to this study.

This study also specifically looks to identify intangible resources. Tangible and intangible heritage are inextricably linked (Bouchenaki, 2003). Intangible cultural resources, also identified as intangible cultural heritage (ICH), are critical to the perpetuation of cultures globally. International and human rights law professor Federico Lenzerini (2011) notes that, "At present, we are aware on a daily basis of the definitive loss—throughout the world—of language, knowledge, knowhow, customs, and ideas, leading to the progressive impoverishment of human society" (p. 12). Lenzerini (2011) goes on to warn that:

> The rich cultural variety of humanity is progressively and dangerously tending towards uniformity. In cultural terms, uniformity means not only loss of cultural heritage—conceived as the totality of perceptible manifestations of the different human groups and communities that are exteriorized and put at the others' disposal—but also standardization of the different peoples of the world and of their social and cultural identity into a few stereotyped ways of life, of thinking, and of perceiving the world. Diversity of cultures reflects diversity of peoples; this is particularly linked to ICH, because such a heritage represents the living expression of the idiosyncratic traits of the different communities. Preservation of cultural diversity, as emphasized by Article 1 of the UNESCO Universal Declaration on Cultural Diversity, 'is embodied in the uniqueness and plurality of the identities of the groups and societies making up humankind'. Being a 'source of exchange, innovation and creativity', cultural diversity is vital to humanity and is inextricably linked to the safeguarding of ICH. Mutual recognition and respect for cultural diversity—and, *a fortiori*, appropriate safeguarding of the ICH of the diverse peoples making up the world—is essential for promoting harmony in intercultural relations, through fostering better appreciation and understanding of the differences between human communities. (p. 103)

Therefore, tradition and practice, as elements of Hawaiian ICH, are essential to the protection of Hawaiian rights and the perpetuation of the Hawaiian culture.

2.1 Identifying Traditional and Customary Practices

Through this contextual lens of tradition and practice serving as elements of Hawaiian ICH, Honua Consulting developed a framework to define traditional or customary practices:

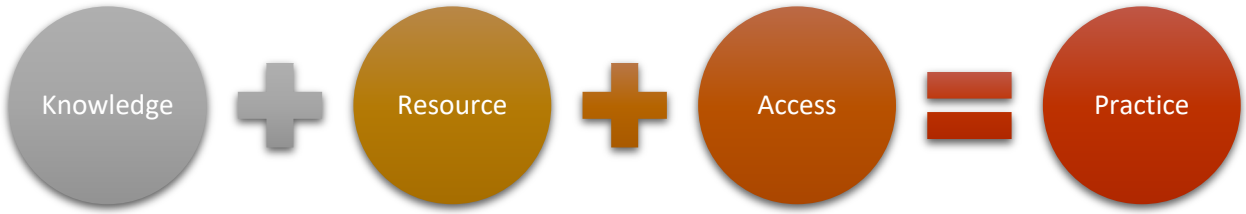


Figure 5. Diagram of Elements that Contribute to Traditional or Customary Practices (Honua Consulting)

The first element, knowledge, has been referred to as traditional ecological knowledge, Indigenous local knowledge, or ethnoscience. In the context of this study, knowledge is the information, data, or expertise Native Hawaiians or local communities possessed or possess about an area's environment. In a traditional context, this would have included information Hawaiians possessed to have the skills to utilize the area's resources for a range of purposes, including, but not limited to, travel, food, worship, or habitation. This element is largely intangible.

The second element is the resources themselves. These are primarily tangible resources, either archaeological resources (e.g., habitation structures, walls, etc.) or natural resources (e.g., plants, animals, etc.). Resources can also be places or geographic features, such as a wahi pana (legendary places) or sacred/culturally important sites. While wahi pana may sometimes be construed as general locations, their importance and value need not be diminished. It is important to recognize that potential eligibility as a "historic site" on the National Register of Historic Places would require identifiable boundaries of a site.

The third element is access. Access serves as the important catalyst through which the first two elements, knowledge and resource, can be operationalized for traditional and customary practices to take place. In this way, practitioners must have access to the resource to practice their traditional customs. Importantly, access as defined here expands beyond mere physical access but also includes the ability to access resources. For example, if a particular plant species is used for medicinal purposes, a sufficient population of that plant species must be accessible to practitioners for use. In this example, an action that would adversely impact the population of the culturally important plant species would impact practitioners' ability to access that plant. By extension, the action would also adversely impact the traditional or customary practice.

Traditional or customary practices are, therefore, the combination of knowledge, resource(s) and access. Each of these individual elements should be researched and identified in assessing any potential practices or impacts to said practices.

2.2 Traditional Knowledge, or Ethnoscience, and the Identification of Cultural Resources

The concept of ethnoscience was first established in the 1960s and has been defined "the field of inquiry concerned with the identification of the conceptual schemata that indigenous peoples use to organize their experience of the environment" (Roth, 2019). Ethnoscience includes a wide range of subfields, such as ethnoecology, ethnobotany, ethnozoology, ethnoclimatology, ethnomedicine and ethnopedology; all these fields are important to properly identify traditional knowledge within a certain area.

Traditional Native Hawaiian practitioners were scientists and expert natural resource managers by necessity. Without modern technological conveniences to rely upon, Hawaiians developed and maintained prosperous and symbiotic relationships with their natural environment for thousands of years. Their environments were their families, their homes, and their laboratories. They knew the names of every wind and every rain. The elements taught and inspired. The ability of Indigenous people to combine spirituality and science led to the formation of unique land-based methologides that spurred innovation. Therefore, identifying significant places requires a baseline understanding of what made places significant for Hawaiians.

Hawaiians were both settlers and explorers. Krauss (1993) explains: "Exploration of the forests revealed trees, the timber of which was valuable for building houses and making canoes. The forests also yielded plants that could be used for making and dying tapa, for medicine, and for a variety of other artifacts" (p. 1). Analysis of native plants and resource management practices reveals the depth to which Hawaiians excelled in their environmental science practices:

> [Hawaiians] demonstrated great ability in systematic differentiation, identification, and naming of the plants they cultivated and gathered for use. Their knowledge of the gross morphology of plants, their habits of growth, and the requirements for greatest yields is not excelled by expert agriculturists of more complicated cultures. They worked out the procedures of cultivation for every locality, for all altitudes, for different weather conditions and exposures, and for soils of all types. In their close observations of the plants they grew, they noted and selected mutants (spores) and natural hybrids, and so created varieties of the plants they already had. Thus over the years after their arrival in the Islands, the Hawaiians added hundreds of named varieties of taro, sweet potatoes, sugarcane, and other cultivated plants to those they had brought with them from the central Pacific. (Krauss, 1993, p. 3)

Thus, Native Hawaiians reinforced the biodiversity that continues to exist in Hawai'i today through their customary traditional natural resource management practices.

The present analyses of archival documents, oral traditions (oli [chants], mele [songs], and/or hula dances and haʻi moʻolelo [storytelling performances]), and Hawaiian language sources including books, manuscripts, and newspaper articles, are focused on identifying recorded cultural resources present on the landscape, including: Hawaiian and non-Hawaiian place names; landscape features (ridges, gulches, cinder cones); archaeological features (kuleana parcel walls, house platforms, shrines, heiau [places of worship], etc.); culturally significant areas (viewsheds, unmodified areas where gathering practices and/or rituals were performed); and significant biological, physiological, or natural resources. This research also looks to document the wide range of Hawaiian science that existed within the geographic extent.

2.3 Moʻolelo ʻĀina: Native Traditions of the Land

Among the most significant sources of native moʻolelo (history, narrative, story) are the Hawaiian language newspapers which were printed between 1838 and 1948, and the early writings of foreign visitors and residents. Most of the accounts that were submitted to the papers were penned by native residents of areas being described and noted native historians. Over the last 30 years, Kepā Maly has reviewed and compiled an extensive index of articles published in the Hawaiian language newspapers, with particular emphasis on those narratives pertaining to lands, customs, and traditions. Many traditions naming places around Hawaiʻi are found in these early writings. Many of these accounts describe native practices, the nature of land use at specific locations, and native moʻolelo. Thus, we are given a means of understanding how people related to their environment and sustained themselves on the land.

2.4 Historic Maps

There are also numerous, informative historic maps for the region. Surveyors of the eighteenth and nineteenth centuries were skilled in traversing land areas and capturing important features and resources throughout Hawaiʻi's rich islands. Historic maps were carefully studied, and the features detailed therein were aggregated and categorized to help identify specific places, names, features, and resources throughout the study area. From these, among other documents, new maps were created that more thoroughly capture the range of resources in the area.

2.5 Archaeological and Biological Studies

An archaeological literature review and field investigation (LRFI) was conducted by Honua Consulting. Previous archaeological studies and other findings are further discussed in this report. The parcel is fully built out. There is a single non-native tree on the backside of the parcel. The rest of the parcel is covered in concrete.

2.6 Ethnographic Methodology

Information from lineal and cultural descendants is instrumental in procuring information about the project area's transformation over time and its changing uses. The information gathered through research helped to focus interview questions on specific features and elements within the project area. Descendants and cultural practitioners from the area were contacted and interviewed for this CIA; these interview summaries are included in **Section 4.0 (Ethnographic Data)**.

(This area intentionally left blank.)

3.0 Description and Traditional History of the Project Area

The state is the fee owner of the project area located in Central Oʻahu within the kalana[3] of Wahiawā, which also largely includes the traditional wahi pana of Kūkaniloko; Wahiawā's broader boundaries stretch into the upland areas of the ahupuaʻa of Kamananui (north), Waiʻanae (Uka), and Waikele and Waipiʻo (south). According to area practitioner Tom Lencanko, the kalana of Wahiawā is surrounded by Helemano to the north and Līhuʻe to the south. The project area is situated within the historical moku of Waiʻanae. The Wahiawā Dam, which is commonly known or referred to as Lake Wilson, surrounds Wahiawā to the north, south, and west. Constructed in 1889, the dam has since created a reservoir of water, which now comprises Lake Wilson, that originates from flows at the northern and southern forks of Kaukonahua Stream.

3.1 Inoa ʻĀina (Place Names)

Several traditional inoa ʻāina are known for features of the Wahiawā region and environment. Table 1 lists inoa ʻāina in the vicinity of the project area, a description of the locations, their English translations, and sources of information. Selected names are also discussed below.

Table 1. List of Inoa ʻĀina of Wahiawā

Inoa ʻĀina	Description
ʻEwa	Land division and district, plantation town, elementary school meaning "one-sided, crooked, out of shape, imperfect, to cause not to fit, ill fitting, incorrect, or unjust", also used as a directional term (Pukui et al. 1974, p. 28; Pukui & Elbert 1986, p. 42).
Haleʻauʻau	Land area, stream, gulch, and heiau meaning "bathing house" (Pukui et al., 1974, p. 36).
Helemano / Halemano	A stream, an elementary school, a ditch, a reservoir, and camps meaning "many snared or many going" (Pukui et al., 1974, p. 44).
Hoʻolonopahu	Heiau meaning "to hear [the] drum" (Soehren, 2008).
Kalakoa	Boundary point possibly meaning "the warrior day" (Soehren, 2008).
Kalena	Land section and peak near Schofield Barracks meaning "the lazy one or yellowish in nature as ʻōlena" (Pukui et al., 1974, p. 76).
Kamananui	Land section and ditch, Schofield Barracks, a forest grove here was called Pō-loa (long night), meaning "the large branch" (Pukui et al., 1974, p. 80).

[3] The authors acknowledge that other reports, including CIAs prepared by other firms, refer to Wahiawā as an ahupuaʻa. In discussion with Tom Lenchanko and the members of the Hawaiian Civic Club of Wahiawā, the authors have decided to use the term "kalana" here and throughout this report, which is how the practitioners of the area refer to Wahiawā.

Inoa ʻĀina	Description
Kamoʻokapu	Boundary point meaning “the sacred lizard” (Soehren, 2008).
Kanuwai	Boundary point meaning “the hereditary waters” (Soehren, 2008).
Kaukonahua	Gulch and stream, meaning “place his testicles (a man’s testicles were cut off here so that he could leap)”, or more likely Kau-kōnāhua (place fatness)” (Pukui et al., 1974, p. 93).
Kawaimano	Boundary point meaning “the many [sources of] fresh water” (Soehren, 2008).
Kemoʻo	Land division meaning “the lizard or ‘the fragment,’ as a piece of land” (Pukui et al., 1974, p. 107).
Kolekole	Pass and possible sacrificial stone meaning “raw, scarred” (Sterling & Summers, 1978; Pukui et al, 1974, p. 116).
Kuaʻikua	Located in Halemano, a sacred spring only those related to the supernatural ones who made and hid it are allowed to bathe in it" (*Ke Au Hou*, 1910, quoted in Sterling & Summers, 1978, p. 112).
Kūkaniloko	Name for stones near Wahiawā where royalty gave birth, also the name of an ancient chief (Pukui et al., 1974, p. 121).
Leilehua	Plains, village, high school, and golf course, Wahiawā area, famous for training in lua fighting, site of present Schofield Barracks, meaning “lehua [ʻōhiʻa lehua, *Metrosideros polymorpha*] lei” (Pukui et al., 1974, p. 131).
Līhuʻe	Former land division near Schofield Barracks meaning “cold chill” (Pukui et al., 1974, p. 132).
Oʻahunui	Stone meaning “large Oʻahu” (Sterling & Summers, 1978).
Paʻalaʻa	Land section meaning “sacred firmness” (Pukui et al., 1974, p. 173).
Peʻahināiʻa	Hill meaning “beckon [to] the fish” (Pukui et al., 1974, p. 182).
Poamoho	A stream, trail, and camp (Pukui et al., 1974, p. 185).
Pouhala	Fishpond and land division meaning “pandanus post” (Pukui et al., 1974, p. 190).
Wahiawā	Land section, district, city forest reserve, fishing area, homesteads, ditch, reservoir, schools, botanical gardens, and recreation center meaning “place of noise” (Pukui et al., 1974, p. 218).
Waialua	Land division, peak, village, valley, mill, town, railroad, bay, beach park, recreation center, district, golf course, reservoir, and elementary and high schools possibly meaning “two waters” (Pukui et al., 1974, p. 220).
Waiʻanae	Land division, town, valley, school, district, and homesteads and district meaning “mullet water” (Pukui et al., 1974, p. 220).
Waiʻanae Uka	Ahupuaʻa meaning “inland Waiʻanae”
Waikakalaua	Land section and stream meaning “water rough [in] rain” (Pukui et al., 1974, p. 222).

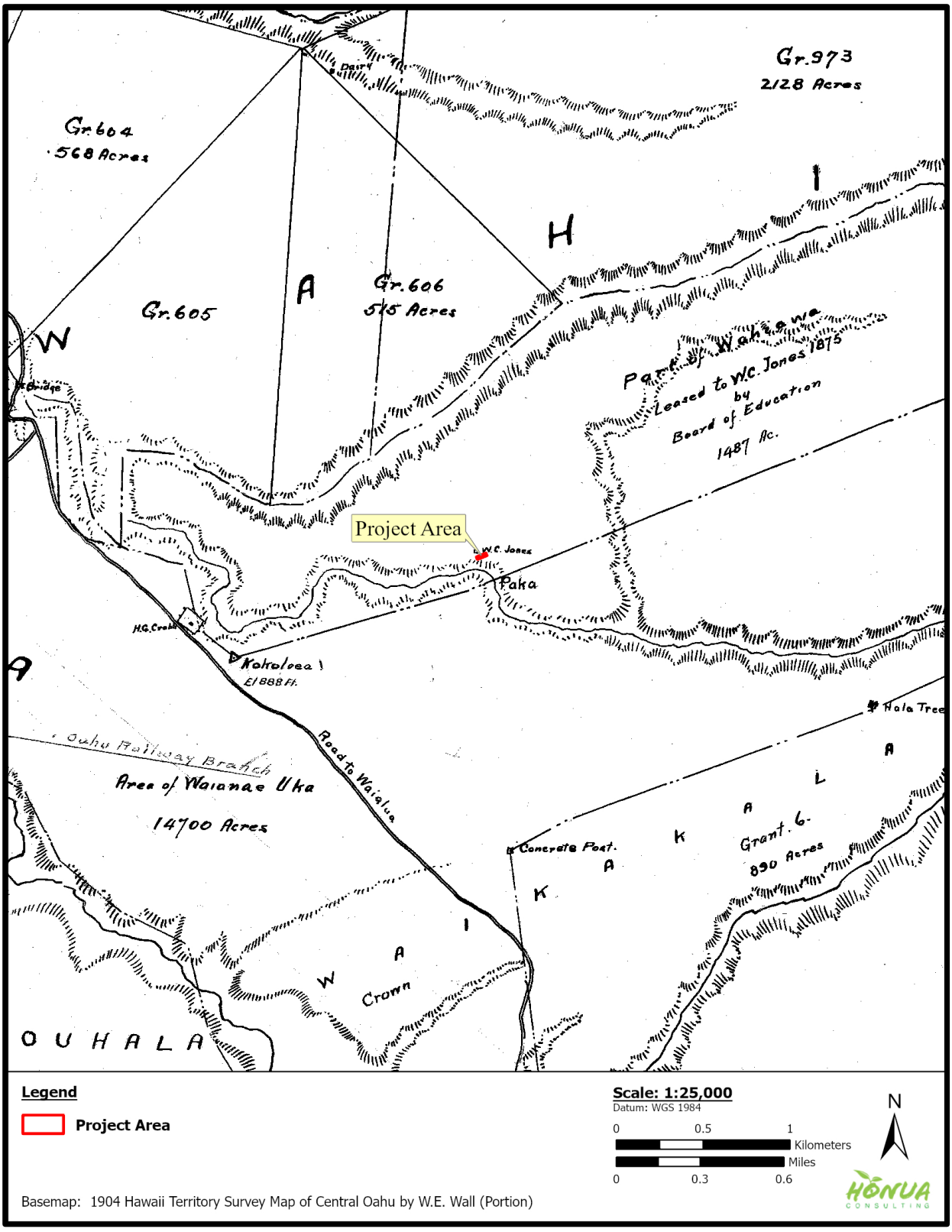


Figure 6. The Project Area on a Portion of a 1904 Hawaii Territory Survey Map of Central O'ahu by W.E. Wall (Registered Map 399)

3.1.1 Wahiawā

Wahiawā is a long-standing traditional name that has been retained into the present, while other place names in the region have largely been lost in the rapid development of mass agricultural plantations at the beginning of the 20th century when Hawai‘i became a United States Territory. Wahiawā has a rich and interesting cultural history, and many mo‘olelo and legends are associated with this region. Wahiawā is translated as “place of noise,” because the sound of ocean waves, particularly during rough (winter) surf, can be heard from the area (Pukui et al., 1974, p. 218).

Wahiawā covers an area from the crest of the Ko‘olau Mountains (east) to the center of the plateau just west of the junction of the north and south forks of Kaukonahua Stream; it is the name of the general area of the central plateau and the inland portion of Kamananui ahupua‘a in the moku of Waialua, as well as in the mountainous, inland section of the moku of Wai‘anae which was previously divided into Wai‘anae Uka (mountain Wai‘anae, the upland plains located between the east side of Ka‘ala mountains and the west side of the Ko‘olau mountain range), and Wai‘anae Kai (oceanside Wai‘anae, extending from the western side of the Ka‘ala mountains to the ocean). However, the boundaries underwent several geopolitical changes in the late 19th and early 20th centuries.

Historical accounts identify Wahiawā as its own stand-alone district beginnings in 1913 when the upper part of the Kamananui ahupua‘a (also called the ahupua‘a of Wahiawā) was merged with the ahupua‘a of Wai‘anae Uka; part of the ‘ili[4] of Waikakalaua, located in the ahupua‘a of Waikele in the moku of ‘Ewa, was added in 1925 (Soehren, 2008). The district was enlarged again in 1932, “by adding lands from Ewa and Waialua which had been included in the Military Reservation of Schofield Barracks” (Soehren, 2008). J.W. Coulter (1935) explained:

> No changes were made until 1913, and then only with respect to Oahu when a new district was created, that of Wahiawa, in which the *ahupuaas* of Wahiawa and Waianae Uka were taken from Waialua to form this new and seventh district of Oahu. In 1899, a tract of some 1320 acres of Wahiawa, formerly in pasture, was subdivided into agricultural homestead lots and by 1913 quite a community had developed in this section whose aspirations for independence from Waialua district was met by the creation of a new district…
>
> In 1925, the third edition of the *Revised Laws*, containing all laws up to that date, was enacted. In the session laws of that year, the district of Wahiawa on Oahu was expanded on its north and south sides by taking respectively from Waialua and Ewa, large irregular tracts of land, but as very little attention was paid to the new boundaries

[4] An ‘ili is a land section next in importance to ahupua‘a and usually a subdivision of ahupua‘a.

> in the operation of the law, it is unnecessary to recite the revisions description. It can be found in Act 13, *Session Laws of 1925*.
>
> In the special sessions of 1932… The incongruous boundaries of Wahiawa on Oahu created in 1925 were abrogated and the district restored to its boundaries of 1913, to which were added small tracts of land in Ewa and Waialua acquired by the United States and included within the Military Reservation of Schofield Barracks. (pp. 221-222)

Currently, the Department of Accounting and General Services classifies Wahiawā as its own district. An 1876 Kingdom of Hawai‘i government survey map identifies Wahiawā as an ahupua‘a located between the ahupua‘a of Pa‘ala‘a Uka (north) and Wai‘anae Uka (south). SHPD identifies this ahupua‘a as Wai‘anae, formerly Wai‘anae Uka (upland Wai‘anae) (https://dlnr.hawaii.gov/shpd/files/2015/06/Ahupuaa_Oahu.pdf).

There are at least two rain names associated with Wahiawā that nourish and sustain the ‘āina (land). The first, Kuahine (“Sister”) is mentioned in a mele found in a mo‘olelo of Hi‘iakaikapoliopele, as cited in Akana & Gonzales (2015, p. 119):

He nui nā ‘oihana a ka Wai‘ōpua	The Wai‘ōpua wind has many tasks
He ‘oihana nō ia na ke Kuahine	An undertaking by the Kuahine rain
Ho‘omaika‘i pa‘a pono ihola i ke kula	Bringing long-lasting pleasure to the plains
None, pa‘ani i ka Waikōloa	Teasing, playing on the Waikōloa wind
Pa‘ani le‘ale‘a i Wahiawā	Pleasurable fun at Wahiawā

The reference to the winds named Wai‘ōpua and Waikōloa also provide the relational context between these named elements (rain and wind) and specific locations in Wahiawā. Wai‘ōpua is a wind name more commonly associated with Wailua, Kaua‘i; it means “water of cloud banks” (Pukui & Elbert 1986, p. 380). They are literally the fresh water (wai) or rain-bearing clouds (‘ōpua) that nourish the area. Waikōloa is a “cold northwest wind associated with… Ka‘ala, O‘ahu, and [a] nearby place of the same name,” (Pukui &Elbert 1986, p. 379; Pukui et al., 1974, p. 223). It is also a “gulch near Schofield Barracks” (Pukui et al., 1974, p. 223). Pukui et al. (1974) translate Waikōloa as “water pulling far” (p. 223), although other translations are also possible.

In *The Wind Gourd of La‘amaomao,* Moses Nakuina (1901, p. 57) describes Waikōloa as the wind name of Līhu‘e, and Wai‘ōpua a place name associated with the Kēhau (“dew”)—

He Kehau ko Waiopua	Kēhau is the wind that belongs to Wai‘ōpua,
He Waikōloa ko Lihue	Waikōloa is the wind that belongs to Līhu‘e

The second rain name, ʻUla (red) is recorded in a mele "composed for Liholiho and inherited by Kalākaua" (Akana & Gonzales, 2015, p. 262):

ʻO māua kai ka ua ʻUla o Wahiawā	We two in the ʻUla rain of Wahiawā
He hoʻoluʻu moelua na ke Kiʻoao	Striped dye of the Kiʻoao rain
Ke hoʻoluʻu maila i uka o Kahui	Immersing the uplands of Kahui
I ʻaleʻale a pihi a hanini	Which is filled and full and overflowing

While Wahiawā is generally contained within the ahupuaʻa of Kamananui and Waiʻanae Uka, the inland boundaries of the ahupuaʻa of Honouliuli, Hōʻaeʻae, Waikele and Waipiʻo in the ʻEwa moku comprise the southern border of Waiʻanae Uka, while the ahupuaʻa of Paʻalaʻa in the moku of Waialua comprises the eastern border of Kamananui. Thus, mentions of these inoa ʻāina because of their proximity is expected.

3.1.2 Kalena (Kamaoha, etc.)

Kalena is a place name associated with Wahiawā that Pukui et al. (1974) translate to mean "the lazy one" (p. 76). However, lena also means yellow or yellowish in color, and refers to ʻōlena or tumeric (*Curcuma domestica*), used by Hawaiians as medicine and dye. The color yellow is symbolic of aliʻi (chiefs), and also of moʻo (lizards, including deities). Handy et al. (1972, p. 125) wrote that moʻo was fond of the color yellow, and Brown (2022) associates it with their freshwater abodes, noting "Their fondness of and association with the color yellow are why ʻŌiwi used kapa ʻōlena (turmeric-colored bark cloth) in moʻo-related rituals" (forthcoming).

Lena also means "to stretch out, as to dry; to draw tight, as a belt; to sight or aim; to bend, as a bow"; Lena is one of the names for the star Sirius (Pukui & Elbert, 1986, p. 203). Thus, there are many possibilities in interpreting the meaning of Kalena, including associations with aliʻi, kilo hōkū (astronomy), and moʻo (possibly as ʻaumakua (family gods) of specific moʻokūʻauhau (genealogy)). An insert map in *Sites of Oahu* identified Puʻu Kalena ("Kalena peak") as the "second highest peak" on the Waiʻanae mountain range (Huapala), and Kalena to the northeast below Puʻu Kalena (Sterling & Summers, 1978, pp. 136-137). Kalena is also mentioned as a mountainous pass between the uplands of Wahiawā and Waiʻanae Kai in the moʻolelo of Oʻahunui (Nakuina, 1897).

Kalena is an inoa ʻāina also preserved in mele such as "Kalena Kai" (seaside Kalena). "Kalena Kai" is a chant originally composed by Liholiho in the early 19th century; in the early 20th century, composer Charles E. King created a melody that transformed it into a modern song often performed in ʻauana (modern hula). The mele lists additional inoa ʻāina that are no longer widely or commonly known, including Haleʻauʻau and Mālamanui, as well as Līhuʻe. The following text is from *He Mele Aloha, A Hawaiian Songbook* (Wilcox et al., 2001)*:*

Kalena Kai	Kalena Kai
‘O Kalena kai Hale‘au‘au A‘o Līhu‘e i Mālamanui	Kalena kai, [at] Hale‘au‘au And (the plain of) Līhu‘e to Mālamanui
‘O ka ‘ehu‘ehu o ke kai Ka moena pāwehe o Mokulē‘ia	The misty spray of the sea Mokulē‘ia, spread like a patterned mat
‘O ka lae ‘o Ka‘ena ka‘a ma mua Kū ana Pu‘ukoa me Pu‘uhulu	The point of Ka‘ena rolls on ahead And there’s Pu‘ukoa and Pu‘uhulu
O ke kula loa ia o Mailehuna ‘O ka wai pa‘ihi i ka pu‘uwai	The great plains spread before Mailehuna The water dear to the heart
‘O ka wai iho ia pono kāua ‘O Ka‘ala kau mai i luna	That is the water that comforts us And Ka‘ala stands proudly above
Hao ka makani lūlū ka lehua ‘O Halemano me Pu‘ukoa Hā‘ina ‘ia mai ana ka puana Ka lua o nā lani eō mai	The wind blows, scattering the lehua There stand Halemano and Pu‘ukoa Tell the story in the refrain For the second of the royal ones, here is your name song

All of these wahi pana can be viewed from the summit of Ka‘ala looking east. Wilcox et al. (2001) describe Kalena Kai as a “mountainous area on O‘ahu above Mokulē‘ia”, and Līhu‘e and Mālamanui as “land areas in the Wahiawā plain” (p. 103). Soehren (2008) includes Mālamanui as a mo‘o ‘āina (strip or fragment of land smaller than an ‘ili) in the ahupua‘a of Wai‘anae Kai and also with the ‘ili of Waipahu in the ahupua‘a of Waikele.

A kanikau (lament) for Alexander Liholiho (Kamehameha IV) references the plains of Mālamanui (“He Kanikau no ka Moi Iolani Kamehameha IV,” 1864, p. 4, cited in Akana & Gonzalez, 2015, p. 319):

Ku‘u kaikunāne ho‘i	My beloved brother
Mai ke kai leo nui o Pua‘ena	From the loud voiced sea of Pua‘ena
Ke nū maila i Kemo‘o,	Rumbling forth up to Kemo‘o,
Pulu i ka wai kēhau a ka mau‘u	Drenched in the dew of the grass
Hohola akula i ke kula o Mālamanui e—	Unfurled on the plains of Mālamanui —

It is likely the Mālamanui referenced in the mele in another wahi pana located higher in the central Wahiawā plain is based on descriptions in mo‘olelo and mele. For example, there are

at least four rain names associated with Mālamanui, as located in the ahupuaʻa of Waiʻanae Uka that comprises the moku of Wahiawā. These are the Kēhau, Koloawao, Līhau and Nāulu rains (Akana & Gonzales, 2015, p. 319).

In the two 1905-1906 moʻolelo of Kamehameha I and Hiʻiakaikapoliopele, writer Hoʻoulumāhiehie includes a mele that references the Kēhau rain of Mālamanui (Hoʻoulumāhiehie, as cited in Akana & Gonzales, 2015, p. 75; English translation by Akana and Gonzales):

ʻO kuʻu wai [hālokoloko] wai lehua	My pool of lehua nectar
Ke hoʻomaʻū ʻia lā e ke Kēhau	Is being moistened by the [misty] Kēhau [rain]
Ua pulu i Mālamanui	It is saturated at Mālamanui

The Kolowao (also Koloawao), or rain "creeping in the mountains" (or forest) is "associated with Kaʻala," and is memorialized in a mele inoa (name chant) for Albert Ka Haku o Hawaiʻi, son of Alexander Liholiho (Kamehameha IV) and Queen Emma (Kapookolu, as cited in Akana & Gonzalez, 2015, p. 112; English translation by Akana and Gonzales):

ʻO lākou nō kai luna o Kaʻala—kāua	They are indeed the ones atop Kaʻala—the two of us
Ua pulu paha i ka ua Koloawao—kāua	Probably drenched by the Koloawao rain —the two of us
Kilikili hau anu i Mālamanui—kāua	A cold, icy drizzle at Mālamanui—the two of us

The Līhau rain is associated with Mālamanui and Līhuʻe, possibly indicating their proximity to each other. This rain is described in further detail in the following section on Līhuʻe.

Nāulu is a rain name associated with many locations across the Hawaiian Islands, including Mālamanui and Kemoʻo. Nāulu is a "sudden shower; showery"; it also means "vexed, angry" or "irritated by being teased or nagged" (Pukui & Elbert, 1986, p. 263). The name suggests a sudden, stormy rain accompanied by wind gusts, as Nāulu is also a wind name (Pukui & Elbert, 1986, p. 263). The mele "Liʻa i ka Wai Māpuna" (tranquility in the fresh spring waters) describes the Nāulu rain of Mālamanui (Kekaokalani & Bright, 1888, as cited in Akana & Gonzales, 2015, p. 196):

Ua laʻi luna o Mālamanui	It is tranquil in the uplands of Mālamanui
Ua ʻolu i ka wai a ka Nāulu	Pleasant in the water of the Nāulu rain
I ka wai ua lana mālie	In the calm, floating water

An oli for Keaopolohiwa describes the Nāulu rain of Kemoʻo, and links it to nearby place names Kamaoha, Kaʻōpua, and Halemano (Akana & Gonzales, 2015, p. 196):

Ana ʻole ka ua o Kamaoha ē	The rain of Kamaoha is immeasurable
I ka hone aʻe a Kaʻōpua lā	Murmuring sweetly at Kaʻōpua
A ka ua Nāulu i ke kula ē	The Nāulu shower on the plains
I ke kula aku o Kemoʻo lā	The plains of Kemoʻo
Kohu ʻole ka ua o Halemano ē	The rain of Halemano resembles no other

Soehren (2008) identifies Kamaoha(nui) as a place in the moku of Waiʻanae Kai, possibly near the boundary with the moku of Waialua. However, Kamaoha is also the name of a moʻo wahine (lizard goddess) of Luakini loko iʻa (traditional fishpond), located on the summit of Kaʻala. Soehren (2008) writes, "According to Hookala, his father often obtained fish from this fresh-water pond. In it were… found many shore fish, hinalea, wuwoa [*sic*. Uouoa?], [and] a kind of mullet." The uouoa (*neomyxus chaptalii)* or false mullet caused sleeplessness and nightmares if the head was consumed, which might also be related to the moʻo wahine (Pukui & Elbert, 1986, p. 372). The mele, along with the moʻolelo of Luakini fishpond, amply demonstrate the rainfall of the region and the abundance of resources it provided, from fresh fish, to feathers from forest birds to forestry.

There is as least one more variant of the mele "Kalena Kai" published on Huapala Hawaiian Hula Archives (Huapala), with a different ordering of several verses. The Hulapala version was provided by Thomas T. Shirai, Jr of the Kawaihāpai ʻohana (family), a cousin of kumu hula (hula master) Antone Kaʻoʻo of Mokulēʻia, Oʻahu. Huapala (n.d.) notes that the mele "honors places in Waialua Moku," written, "in remembrance of a visit to Waialua in the 1820's when [Liholiho] & Kaʻahumanu stopped there on the way to Kauaʻi… In ancient times, certain areas of the sea were kapu [forbidden] or designated places to bathe. This ceremonial bathing as for remission of sin." As kamaʻāina (native born) of the area, Shirai's ʻohana "provided supplies and probably entertained the royal retinue." This version of the mele includes slightly different verses than the Wilcox et al. (2001) version, with some possible additional otherwise lost inoa ʻāina:

Ka lae o Kaʻena oni ma mua	The cape of Kaʻena appears ahead
ʻO Lauhulu no me Puʻukapu	With Lauhulu and Puʻukapu
ʻO Halemano lūlū i ka lehua	Halemano is verdant with lehua
ʻO Waimalu no noho i ka malu	Waimalu is there in peace

Huapala (n.d.) notes that "Lauhulu and Puʻukapu are the guardians of Mount Kaʻala," and that "Halemano was famous for its ohiʻa lehua and Waimalu, a place of purification, was kapu." Lauhulu is both "dry banana leaf; to wrap, as a bundle, with ti leaves inside and banana leaves outside. *Fig.,* outsider, one from another locality (sometimes said disparagingly)" and "fast, swift, as of destruction; to seize, as an ʻahi seizes a hook" (Pukui & Elbert, 1986, p. 195). Puʻukapu, "sacred hill," is a peak in the Kawailoa ahupuaʻa of Waialua. Waimalu,

sheltered, shaded, or protected/protective fresh water, is described by Huapala (n.d.) as a kapu place of purification (for ceremonial bathing ritual).

Haleʻauʻau ("bathing house") is a gulch that begins mauka (upland, toward the mountain) at Kaʻala and runs east to Kaukonohua stream, and north of Mohiākea Gulch. In a 1925 newspaper article describing foods gathered for a birthday party, Kalena is described as being located "i Haleauau" (in or at Haleʻauʻau), "Kela puaa holonahele o ka Lena [Kalena] i Haleauau, i ka piina o Kemoo i Waialua laweia mai ka hee, ula inamona, iʻo pipi, oio, weke, kulolo, halakahiki ko Laie… (That mountain pig of Kalena at Haleʻauʻau, climbing up Kemoʻo in Waialua, bringing octopus, red inamona relish, beef, ʻōʻio fish, weke fish, kulolo, pineapple of Lāʻie…) (Apuakehau, 1923, p. 8).

Sterling & Summers (1978) also describe it as a heiau site (identified as site 215) located at Pulae, Pūmaiʻalau Gulch; they cite J.G. McAllister's 1933 description as a paved heiau utilizing stone from the area (p. 136).

Malama is "light, moon, month" (month based on the moons), while Mālama is "to take care of, tend, attend, care for, preserve;" Mālama is also the name of a star (Pukui & Elbert, 1986, p. 232). Thus, Malamanui can refer to an important month, and Mālamanui to great attention, care, and protection, with religious undertones in observing kapu, conducting ritual to honor akua (deity or deities), or, as a star name like Kalena, to kilo hōkū.

Wilcox et al. (2001) remark that their order of the verses "makes geographic sense as one journeys around the Waiʻanae mountains" (p. 103).

Kemoʻo ("The lizard") is described as "a land section near Schofield Barracks" (Pukui et al., 1974, p. 107). It is a large enough area to have its own named rain and is also a noted location memorialized in mele such as the oli for Keaopolohiwa provided above, which describes it as kula[5] (plain, open field), as do a number of other 19th century mele published in Hawaiian language newspaper. An 1867 mele for Kamehameha V by Kapoli (1867, p. 1) includes a stanza for this region that names "ke kula o Kemoo" (the plains of Kemoʻo) and connects the surrounding place names together:

Manaʻo au iā uka o Helemano	I desire to be in the uplands of Helemano
I ka uka ʻai kanaka o Kūkaniloko	The cannibalistic uplands of Kūkaniloko
He loko iā Līhuʻe na ke Kēhau	The interior of Līhuʻe of the Kēhau
Ke hoʻoholo lā i ke kula o Kemoʻo	Travelling along the plain of Kemoʻo
Ua nui akula hoʻi ka Waikōloa	The torrential rains indeed of Waikōloa

[5] Pukui & Elbert (1986) note that "An act of 1884 distinguished dry or kula land from wet or taro land" (p. 178).

Hōʻā Mālamanui ka uka o Kānehoa	Light up Mālamanui, the uplands of Kānehoa
Koʻu hoa i ka makani anu kēhau	My companion in the cold, misty Kēhau breeze

Similarly, in a letter to the Hawaiian language newspaper *Ka Nupepa Kuokoa,* Solomon Kalua (1875, p. 1) describes arriving at "ke kula o Kemoo," which he emphasizes "nona keia mau wahi lalani mele kanaenae aloha" (for whom is composed these lines of loving song of praise):

Hoʻi pū aʻe kāua	The two of us return together
I ke kula o Kemoʻo	To the plains of Kemoʻo
Moe aku i Waialua	Sleeping at Waialua
I ke ʻehukai o lalo.	In the sea spray below.

Kemoʻo is used poetically in a kanikau by J.W. ʻŌkuʻu (1878, p. 4) for his wife, as the highest uplands in direct contrast with the shores of Waialua:

Kanikau lā he aloha	A loving lament
Nou nō e Kahoʻopuʻipuʻi	For you indeed, Kahoʻopuʻipuʻi
Kuʻu wahine mai ke kai leo nui lā o Waialua	My beloved wife from the loud-voice sea of Waialua
Ke ʻūhā maila i ke kula o Kemoʻo lā ē	The breeze from the plains of Kemoʻo

The deliberate contrast of the lowest point of the ocean to the highest point of the uplands metaphorically represents the entirety of the district, and the breadth of ʻŌkuʻu's love for his wife.

Nēnē is a native grass that is also associated with the plains of Kemoʻo, as indicated in a kanikau from Kaniau (1864, p. 1) for Alexander Liholiho (Kamehameha IV):

Aia kuʻu kāne i ke kula o Kemoʻo,	There is my beloved husband on the plains of Kemoʻo,
Mai ka makani anu lā he Waikōloa	From the cold wind there, the Waikōloa
E lawe ana i ke ʻala o ka nēnē	Carrying the scent of the nēnē grass

A brief announcement on a trip King Kalākaua took to the windward side of Oʻahu in 1876 concludes with a poetic reference to the nēnē grass of Kemoʻo, "He oia mau ke ohaoha o kona ola me he ʻmauu nene la i ke kula o Kemoo'" (The delight of his reign continues with "the nēnē grass there on the plains of Kemoʻo") ("Nu Hou Kuloko," 1876, p. 2), which figuratively refers to "success in secret; licentious practices in the open or out of doors."

In the moʻolelo of Kaumailiʻulā, he and his huakaʻi aliʻi (royal entourage) travel the island of Oʻahu from Koʻolauloa to Waialua, ascend the heights of Wahiawā to the plains of Kemoʻo, in order to descend into the district of ʻEwa ("Ka Moolelo Kaao no Kaumailiula," 1892, p. 4). The chiefess Luʻukia sails to Tahiti and marries Olopana; Olopana's daughter Kaupeʻa is so taken by Luʻukia's description of her handsome brother Kaumailiʻulā that she sails to Hawaiʻi to find him. In an account by Kamakau (1867), they wed and Kaupeʻa becomes pregnant, but returns to Tahiti to have their child, and Kaumailiʻulā follows.

Soehren (2008) describes Kemoʻo as a large ʻili ʻāina in the ahupuaʻa of Kamananui located "between Poamoho Gulch and Kaukonahua Gulch containing many Royal Patent Grants." It became a rainfall precipitation site during the early territorial years, which also speaks to its noted rainfall (Territorial Planning Board, 1939, p. 121). There is no documentation as to how the area acquired this name. However, an account of *Keaomelemele* by Manu (1885) lists Kemoʻo as one of the moʻo poʻe (people) of this region, along with Alamuki and Kamoʻoloa as followers of Laniwahine, a well known moʻo goddess of Waialua (p. 1).

In 1887, an ʻili of 52 ½ acres at Kemoʻo was listed as government land for sale with the initial asking price at $130 ("Kuai o Na Aina," 1887, p. 3). In 1920, a notice was published announcing the sale of "leftover" government lands (now Territorial and not Kingdom government lands) at Kemoʻo, identified as "Mahele A," comprised of 9 ½ acres, and "Mahele B," a 41.3-acre parcel. The starting price for each parcel was twenty dollars an acre (Bailey, 1920, p. 8).

There are fewer poetic references to Kaukonahua, it is commonly paired with Kemoʻo when it is mentioned in mele, often in kanikau for loved ones. In a kanikau by Luisa Keohokalole (1871, p. 3) for M. Holi, she describes the quality of the icy cold waters of Kaukonahua in relation to Kemoʻo:

Kanikau lā he aloha	A loving lament
Nou nō lā e Mareta,	For you, Mareta
Kuʻu aikāne mai ka lepo ʻula o ʻEwa	My beloved companion from the red dirt of ʻEwa
…	…
Mai ka piʻina wela lā e Kīpapa,	From the hot climb of Kīpapa
Mai ka wai huihui o Kaukonahua	From the icy cold waters of Kaukonahua
Mai ka holo a ka lio i ka uka o Kemoʻo	From the riding of the horse in the uplands of Kemoʻo

Another kanikau by Konaaihele (1862, p. 4) for his wife Aupuni also provides a contextual relationship between the places named, and significant features of each, starting with the hot,

dry, ʻEwa plains, and reference to the practice of gathering oysters in silence (iʻa hāmau leo, a well-known epithet for Puʻuloa):

Kuʻu wahine mai ke kula lā o ʻEwa	My beloved wife from the plains of ʻEwa
Mai ka iʻa hāmau leo i ka makani	From the fish that silences the voice in the wind
Kuʻu wahine mai ke kula lā o Kemoʻo	My beloved wife from the upland plains of Kemoʻo
Mai ka wai aku o Kaukonahua	From the fresh waters of Kaukonahua beyond (Kemoʻo)

The cool, lush upland plains and fresh water sources of Kemoʻo and Kaukonahua directly contrast with the arid ʻEwa shoreline to the south, providing a sense of the entirety of the area that reflects the composers deep love and grief for his deceased companion.

Another mele that references the waters of Kaukonahua was published by N.H. Lulea (1878, p. 4):

Aloha ka wai o Kaukonahua,	Greetings/love to the fresh waters of Kaukonahua,
O ia wai a kāua i luakaha ai,	The fresh waters where the two of us relaxed
Aloha Halahape i ke kula o Kemoʻo	Greetings/love to Halahape on the plains of Kemoʻo

The following mele “He Inoa no Kauikeaouli” (1862, p. 4) also references Halahape, which appears to be a wind name of Kemoʻo. It is also referenced in an earlier mele for Kauikeaouli (Kamehameha III):

E kipa i Kuaikua, he ʻolu nō ia wai	Visiting Kuaikua, these waters are very pleasant
I ka nuʻa o ka palai, nahenahe mai ke ʻala	In the thick mats of palai fern, the pleasing fragrances wafts forth
Lūpaliʻiwa i ka uka, i ka uka ʻiu i ka laʻi	Lūpaliʻiwa in the uplands, in the distant uplands in the calm
I laila nō hoʻi au me liʻa i ka waokele	There indeed I am with chills/a strong desire in the forest
Me ke kupa i Halemano, he wela o Kokoloea,	With the natives of Halemano, the heat of Kokoloea,
I ahona i ke Kuahine, kanaho i Halahape,	It is better in the Kuahine, relief is found in Halahape,

ʻOlu ai ʻo Mālamanui, kai nō lā paha ʻoe	That cools Mālamanui, perhaps you are the one

There are two important aspects of the Wahiawā region, and the related inoa ʻāina and elements of the ʻāina (such as wind names and rain names) that should be noted. First, the abundance of rain and fresh water supported a diverse ecosystem of native flora and fauna prior to the introduction of industrial agriculture and monocrops (such as pineapple). Evidence of such is recorded in place names, which are memorialized in moʻolelo, mele, and poetical sayings that are still part of the immense archive and native cultural practice, such as hula and song performance.

Second, several mele tie these lands to the Kamehameha line, specifically mentioned in compositions for Kauikeaouli (Kamehameha III), Ka Haku o Hawaiʻi (Prince Albert, son of Kamehameha IV and Emma), and Kamehameha V.

3.1.3 Līhuʻe

In 1956, newspaper columnist Clarice B. Taylor (1956) wrote, “Lihue as a place name [in Wahiawā] has been lost. Maps showing its existence are not available, yet Lihue on Oahu was famed in mele and chant long before the enterprising city on the island of Kauai was named for it” (as cited in Sterling & Summers, 1978, p. 136). Sterling & Summer (1978) reference Līhuʻe from mele, moʻolelo, and an 1876 Hawaiian Government Survey map, which locates it below the Waiʻanae mountain peaks of Kānehoa and Maunauna (p. 136).

Līhuʻe is a traditional inoa ʻāina and upland plains located in the moku of Waiʻanae Uka, in the area where Schofield Barracks is now located. Līhuʻe means “cold chill” (Pukui et al., 1974, p. 132). At least two places in the larger Wahiawā region carry the name Līhuʻe. Soehren (2008) identifies Līhuʻe as: 1. A moʻo ʻāina in the ahupuaʻa of Paʻalaʻa, and 2. An ʻili ʻāina in the ahupuaʻa of Waikele.

Līhuʻe is referenced poetically in many mele, as in this kanikau for Mrs. Mereala Kamakaʻōpiopio by Liilii (1873, p. 1):

E maka nonoho walewale Līhuʻe i ke Kēhau	Līhuʻe is a very pleasant place to live because of the cool Kēhau breeze
E kuhi ana ua pono ka Waikōloa	Pointing to the refreshing Waikōloa wind

According to one moʻolelo recorded by Beckwith (1970), Kūaliʻi, a prominent Oʻahu aliʻi in the 1700s, engaged in battle at Līhuʻe, where he and two of his warriors met a large army. These three men defeated 12,000 enemies in three battles at Mālamanui, Puleʻe and Paupauwela.

The shape-shifting kupua (demigod) Kaupē, who could take the form of a human male or a dog, lived at Līhuʻe (Westervelt, 1915b, pp. 90-96; Beckwith, 1970, p. 345). According to Kamakau (1865a), he was a grandchild of Kemoʻo (p. 1). Kaupē was noted for overthrowing the chief Kahānaiakeakua, and subsequently ruled the region of Oʻahu from Nuʻuanu to the shores of Honolulu. Kaupē was a human-devouring kupua, who did not attack high chiefs, but consumed people on Oʻahu and Maui. At one point, he travelled to Hawaiʻi island and returned to Oʻahu with the son of a chief to sacrifice at the heiau at Līhuʻe. The boy's father followed Kaupē to Oʻahu and consulted with the kahuna Kahilona at the heiau of Kaheiki, located at Kupanihi (now called Pacific Heights). Kaheiki heiau was built by Menehune (a legendary race of small people who worked at night) and under Kahilona's leadership because "the center for the moʻo-kahuna class of priests… for kilokilo who read the signs of earth and sky and sea" (Beckwith, 1970, p. 345). Kahilona taught the boy's father a powerful prayer to the gods Kū, Lono, and Kanaloa, and the boy and his father were able to escape. Later, the father defeated Kaupē on Hawaiʻi island.

Kaupē's spirit or ghost form inhabits the clouds stretched across the Koʻolau mountain range, possibly all the way to Wahiawā. This form of Kaupē is "in some way connected with those signs in the sky called oila," as Hawaiians believed "animal shapes in such clouds could be used to foretell the movements of chiefs descended from their kupua ancestors… denoting the presence of their aumakua protectors in the heavens" (Westervelt, 1915a, pp. 1-13; Beckwith, 1970, pp. 346-347).

Līhuʻe and surrounding areas, including Kalena, Mālamanui, and Haleʻauʻau and the elements associated with them, such as wind names and rain names are often found intertwined and preserved through mele and moʻolelo.

3.1.4 Waiʻanae Uka

Waiʻanae Uka (upland Waiʻanae) is an ahupuaʻa just south of the kalana of Wahiawā. Because of its inland, mountainous location, Waiʻanae Uka provided an important water source to Waiʻanae Kai (oceanside Waiʻanae). It is unclear exactly why the boundary changed, but according to historical accounts, it occurred in the late 19th century. Coulter (1935) notes that:

> In reviewing the changes made in 1909 and comparing the districts with those in 1859, we find only one change in the island of Hawaii…
>
> On Oahu, the boundaries of Honolulu district remain the same; Ewa and Waianae are separated and formed into two districts, excluding the *ahupuaa* of Waianae uka which is added to Waialua district… (pp. 220-221)

One historical account by Handy (1940) describes Waiʻanae Uka as follows:

> The *ahupua‘a* ran from the crest of the Waianae Mountains sound of Mount Kaala, across the plateau area on which Schofield Barracks stands, and up to the crest of the Koolau Range. On the Waialua side, I am told, there were terrace areas watered by Kioea and Waikoloa Streams. Kalena Gulch has some terraces; I have no information about Mohiakea. On the Koolau side three large streams join to form Kalakoa Stream. The configuration of the land suggests that there must have been some terraces here. (p. 86)

3.1.5 Poamoho

Poamoho is the name of a gulch and stream that forms the northern boundary of Wahiawā. There are no traditions related to this place name. However, moho is a now extinct flightless native rail (*Pennula sandwichensis*); it also is a “candidate, as in politics,” a “representative selected to participate in a race, wrestling,” or a “betting contest” or “championship”; it also means “to unfold, of leaves, especially [the] upper leaf of a plant, as sugar cane or taro” (Pukui & Elbert, 1986, p. 251). Po‘a refers to one castrated but also to “a sudden sound, as of flapping wings of a rooster, or of the thumping sound of the palms of the hands pressed together with fingers locked, or of hands striking the surface of the water; to make such sounds,” as well as “to dig under” or “undermine” (Pukui & Elbert, 1986, p. 333). L. Andrews (1865) writes that po‘a also refers to “throw[ing] water over one’s self; to dive, paddle or play in the water;” “to cast up or spatter water” and “to wallow and roll in the water like a hog” (p. 469). Thus, Po‘amoho can possibly reference the moho bird playing in the stream water, or perhaps a chosen candidate or representative of the ali‘i or akua for sport, religious activity, or a skilled profession.

Several sources render the name as Po‘oamoho (head of the candidate or moho bird). Hawaiian historian S.M. Kamakau (1865c, p. 1) wrote about famous things of the past, and included a mele “hai aku i na kupuna” (according to the ancestors) for the chiefs of the area:

Akepa ka ua i ka laau	The rain is nimble in the forest
I Kalakoa i Pooamoho	At Kalakoa, at Po‘oamoho
I Halemano la i Kawaihoa	At Halemano there at Kawaihoa

‘Ākepa is both a “group of small scarlet or yellow-green Hawaiian honey creepers (*Loxops coccinea*),” and to be “quick, nimble, sprightly, active” (Pukui & Elbert, 1986, p. 14). It suggests the movement of the rain is like the quick, nimble movement of the ‘ākepa honeycreeper native to the upland forest area. It is not surprising that such a lush, rainforest mountain area would contain so many references to fresh water (rain, streams), the resulting rainforest, and native bird species that would reside there. Birds are often symbolic references for people, including ali‘i who adorned themselves with native bird feathers, particularly red and yellow, which the place name Kalena also references.

3.1.6 Kaukonahua

Kaukonahua is the stream that marks the southeastern boundary of Wahiawā. The main stream flows 33 miles to the north shore, making it the longest waterway in the islands (Pukui et al., 1974, p. 92). As they note, "one explanation the name means 'place his testicles' (a man's testicles were cut off here so that he could leap). A more likely explanation is Kau-kōnāhua (place fatness)" (Pukui et al., 1974, p. 93). Another interpretation is kau, to set (down) or a time of year (season) of konāhua, fat or fleshy as an animal or human (Andrews, 1865, p. 293). This possibly references the abundance (fat) of the land in harvest (to gather and "place" or set down/store the abundance of food produced in the region) or in season(s) of harvest.

No traditions related to this place name were identified during the research conducted for this project. However, the initial translation of this inoa ʻāina is similar to the first definition of poʻa as "eunuch," and perhaps one interpretation of Poʻamoho (chosen eunuch) is related to Kaukonahua. The waters of Kaukonahua were famous and well documented in poetry, often paired to complement and contrast the plains of Kemoʻo (ke kula o Kemoʻo). In 1902, stream diversions began from the north branch of Kaukonahua Stream, which is fed by the Koʻolau mountains east of Wahiawā, to the Wahiawā Water Company ditch.

3.1.7 Kūkaniloko

Kūkaniloko is "one of the two famous places in the Hawaiian Islands for the birth of children of tapu chiefs" (McAllister, 1933, p. 134). Practitioner Tom Lechanko refers to it as a place of "exact and concise energy" (pers. comm.). Although it is located to the northwest of the modern boundaries of Wahiawā town, the birth site is mentioned because of its renown and significance for the central Oʻahu plateau. Nakuina (1897) notes that:

> It was incumbent on all women of the royal line to retire to this place when about to give birth to a child, on pain of forfeiting the rank, chiefly privileges and prerogatives for her expected offspring should that event happen in a less sacred place. (p. 90)

Kamakau (1991) described Kūkaniloko as being established by the aliʻi Nanakāoko and his wife, Kahihiokalani, who gave birth to Kapawa, the first of the important aliʻi born here (p. 38). When recounting the origins of the Hawaiian people, Malo (1987) also notes this birth:

> A mahope mai o keia mau hanauna eono, he umikumamaiwa ia mau hanauna ma ia hope mai, ua manao wale ia o kekahi poe o keia mau hanauna kai hele mai a noho ma Hawaii nei, no ka mea, o ka iwakalua paa o keia
>
> After these six generations, there followed nineteen generations. It has been thought that some of the people of those generations were the ones who voyaged and settled in the Hawaiian Islands, because by the twentieth generation, there

hanauna o Kapawa kona inoa oia kai hai ia mai ma Kukaniloko no Waialua i Oahu ko Kapawa wahi i hanau ia ai.	was a person whose name was Kapawa. He was the one, it is said, who was born at Kūkaniloko, in Waialua on the island of Oʻahu.
A mai a Kapawa a hiki mai i keia wa, ua ike pono ia ka hanau ana o kanaka ma Hawaii nei, aole nae i hai ia, mai Ololoimehani mai lakou i hele mai ai aole nae i hai ia mai ke kanaka a hiki mua mai a noho ma Hawaii nei, aole i hai ia mai, mai ka waa mai lakou, aole no i hai ia wa i hiki mai ai lakou ma Hawaii nei.	And from Kapawa until today, people have been known to have been born in the Hawaiian Islands. It, however, has not been told if they came from ʻOlololoimehani. It has not been told who the first was to arrived and settle in the Hawaiian Islands. It has not been told if they came on canoes, and it has not been told what time their voyage to the Hawaiian islands took place. [M. Chun, translator]

McAllister (1933) writes that, “birth here added some special divine gift to the sacred place already occupied by a tapu high-chief” (p. 135). The significance of this practice was recognized even into the early historic period when Kamehameha made efforts to have his sacred wife, Keōpūolani, deliver their child at Kūkaniloko (Kamakau, 1991, p. 38).

The sacred drums of Opuku and Hāwea announced the birth of an aliʻi and were stored in the nearby heiau Hoʻolonopahu (McAllister, 1933, p. 37).

Hawaiian historian Kamakau (1865b, p. 1) detailed Kūkaniloko and the birthing practices that took place there, also documenting some of the births and history described above.

No Kukaniloko	Regarding Kūkaniloko
Ua hanaia o Kukaniloko e Nanakaoko me Kahihiokalani kana wahine i wahi e hanau ai ka laua keiki o Kapawa.	Kūkaniloko was established by Nanakaoko and Kahihiokalani, his wife, as a place that their child Kapawa might be born.
Ua hoonohoia he lalani pohaku ma ka lima akau, a ma ka lima hema, e huli ana ke alo i ka aoao akau, a malaila e noho ai na’lii he 36, a he kuapuu ma uka mai. O Kukaniloko ka pohaku i ka hilinai. Ina e komo, a hilinai, a ka lele i na paepae, la hoouka na uha i na Liloekapu, a hanau	A line of stones was set at the right hand and the left hand, as one is facing south, and that is where 36 chiefs sat in two rows from the mountainside. Kukaniloko was the foundation of belief. If one who truly believed entered the space and lay upon the platform, placing the thighs in a raised

ke keiki i ke alo. Ua kapaia kela he Alii, he akua, he ahi he wela.	position, a child would be born. That child would be called a chief, a godly one, the heat of the fire.
I ka hemo ana o ke keiki, e lawe koke ia iloko o ka waihau o Hoolonopahu; malaila na'lii he 48, ia lakou ka hooponopono. O ke keiki, a moku ka piko, aia ma ka aoao hema o Kukaniloko he segatia me hapa. Mai Kukaniloko aku ma ke komohana elua segatia, aia malaila ka pahu kapu o Hawea e kani ai. He hoailona no ke Alii.	When the child was born, he would be quickly taken into the waihau heiau of Hoʻolonopahu; there resided 48 chiefs whose responsibility it was to carry out birthing ceremonies of cutting the umbilical cord. [This was located] on the south side of Kūkaniloko, a furlough and a half in size. From Kūkaniloko towards the west two furloughs, there the sacred drum Hāwea sounded. This sound was the signal of the birth of a chief.
O na makaainana, aia ma kahikina o ke kahawai o kela aoao o Kuaikua, he mano lakou; ma ka aoao ma ka hema, he ekolu segatia, malaila na kauwa.	The working class people, four thousand in number, waited at the east of the stream on that side of Kuaikua; on the south side at a distance of three furloughs, there sat the servants.
Aka, o na'lii e hanau mai i waho, a i ke kuapuu. He mau Alii no lakou, a i hanau i ke alanui, he Alii no; no waho.	However, the aliʻi who were born outside, and to the kuapuʻu—they were chiefs, and those born in the road, were indeed chiefs; belonging elsewhere.
Ua manao nui no o Kamehameha e hanau o Keopuolani iloko o Kukaniloko. Aka ua pii no, aole i hiki, ua hoihoi e ia no.	Kamehameha had hoped that Keōpūolani would give birth within the stones of Kūkaniloko. This effort was attempted, but not accomplished.
Hookahi Alii o Maui i komo i loko o Kaulahea ke kane, o Kapohanaupuni ka wahine.	One Maui chief who entered was Kaulahea, the husband, and Kapōhānaupuni his wife.

Kūkaniloko is mentioned in the mele "Kahuaiki," described as a freshwater spring of Waipiʻo, Oʻahu. The third stanza of the mele in "Na Wahi Pana o Ewa" (1899) states:

Kahuaiki	**Kahuaiki (the small fruit)**

E aha ana o Kukaniloko	What of Kūkaniloko
Kela uka lipo noho i ke anu	That distant upland immersed in the chill
Maewa luhiehu i ka laukupukupu	Fluttering attractively because of the lush kupukupu ferns
I ka nani weo ula o ka lehua	In the beautiful blushing red of the lehua blossom

Kūkaniloko was also the name of an Oʻahu aliʻi wahine (chiefess), the daughter of Piliwale, who was the aliʻi kāne (chief) of ʻEwa (Kamakau, 1991, p. 50). Thus, Kūkaniloko is another example of the intertwined relationship between Kanaka ʻŌiwi and ʻāina, one often being named for the other, because of the person's birth or other intimate or significant association with that location.

Aliʻi nui (high chiefs) were born at Kūkaniloko, including Kalaimanuia, the daughter of Kūkaniloko and granddaughter of Piliwale, who followed her mother as a ruler of Oʻahu. Kākuhihewa, the noted aliʻi kāne of Oʻahu, was also born at this place; his birth followed the ceremonies as described in the newspaper publication above (Sterling & Ladd, 2008, p. 139).

A mele dedicated to Kākuhihewa, often performed as a hula ʻālaʻapapa (an ancient dramatic hula), names Kūkaniloko and the ʻāina it sits upon. The mele references the komela (no data) blossoms planted there. Aside from being one of only two sacred royal birth sites in the pae ʻāina (the other located at Wailua, Puna, Kauaʻi), Kūkaniloko is also likely a burial site of the many umbilical cords of the generations of aliʻi born there. The text of the mele "Kākuhihewa" is presented here:

Aia i Honolulu kuʻu pōhaku	There at Honolulu is my foundation
No Kākuhihewa koʻu haku ia	For Kākuhihewa is my lord
Malia o loaʻa pono aku ʻoe	Perhaps you will be found
Ma ka lihilihi aʻo pua komela	Amongst the fringes of the komela blossom
ʻOhuʻohu Halemano me ka lau lehua	Halemano is adorned in the leaves of lehua
Ua kanu nā pua Kūkaniloko	The flowers planted at Kūkaniloko
Ma loko mai ʻoe me Liʻawahine	There with Liʻawahine
I ke kui ʻōhelo ʻai a ka manu	Stringing ʻōhele berries, the favorite of the birds
I luna nō wau me lei lehua	I am up above with garlands of lehua
Ka maile lauliʻi aʻo Kaʻala	The small-leaved maile of Kaʻala
He ʻala ka maile lauliʻiliʻi	Fragrant indeed is the maile liʻiliʻi

Ka maile lauliʻi aʻo Koʻiahi	The small leaf maile of Koʻiahi
Ua ahi ua wela mai nei loko	Heat and fire rises within
Ka hano hoʻoheno aʻo Kūwili	The beloved sound of the Kūwili flute
Hea aku mākou eō mai ʻoe	We call out, you respond
No Kākuhihewa koʻu haku ia	For Kākuhihewa is my chief

The line, "ʻOhuʻohu Halemano me ka lau lehua" was collected as an ʻōlelo noʻeau (proverb) by Pukui (1983). She translates it as "bedecked is Halemano with lehua leaves," which she says is "an expression of admiration for a good-looking person" (Pukui, 1983, p. 260). This ʻōlelo noʻeau is found throughout various Hawaiian language newspaper items. For example, a short notice in the Hawaiian language newspaper *Ka Nupepa Kuokoa* ("Liliuokalani," 1898, p. 3) of Queen Liliʻuokalani's trip to Washington D.C. to meet with Congress describes the festive crowd of supporters who went to see her off:

Ma ka wa a ke "alii" e kau ana iluna o ka mokuahi, ua lehulehu loa na haole ame na kanaka Hawaii, i hele aku e ike iaia me ke aloha. He maikai kona ola, a ua hele nohoi a "Ohuohu Halemano i ka lau lehua, ua kanu no na pua i Kukaniloko.	At the time the "Queen" was aboard the steamship, there was a crowd of haole and Hawaiian people who went to see her off with much aloha. Her spirits were good, and indeed became like "Halemano adorned with lehua leaves, the blossoms planted at Kūkaniloko.

A *Kuokoa Home Rula* article ("Ka Lau Hanau," 1911, p. 1) describing Mayor Joseph J. Fern's birthday celebration uses a slight variation of the ʻōlelo noʻeau:

Ua hoomanao ae ka mea Hanohano Meia Joseph J. Fern, i kona la hanau ma kona home ma Kapiolani Paka i kakahiaka Poakahi nei ma ka haawi ana he paina kakahiaka hoonaue puu moni ai, ua hele no hoi ka papaaina a "Ohuohu Halemano i ka lau lo ka lehua," e lawe pono ai no hoi no umi kumamaono poe o ka papaaina.	Mayor Joseph J. Fern was the distinguished guest of honor celebrated on his birthday at his home at Kapiʻolani Park this past Monday morning, a scrumptious breakfast feast provided that would make anyone salivate; the table transformed like "Halemano adorned with leaves of lehua," a lavish feast indeed fit for the sixteen guests at the table.
Malaila i paina ai ke keiki alii J. K. Kalanianaole a me kekahi poe maka hanohano e iho no hoi i konoia.	There Prince J. K. Kalaniʻanaʻole dined with some of the other distinguished guests who were also invited.
Na ka Bana Hawaii no hoi i houhene ae na mea kani i ka ia poe e "ai ono ana."	The Royal Hawaiian band truly entertained the guests with pleasant music to feast on.

A similar ʻōlelo noʻeau – not collected by Pukui – found within the Hawaiian language newspapers is "Ehuehu Halemano i ka ua Lūlehua" (Halemano is animated by the stormy lehua-scattering rain) (1893, p. 2). The article describes the fear, uncertainty, and frustration of this time period months after the illegal overthrow of the Hawaiian government, utilizing Native Hawaiian poetics and kaona (hidden meanings) to connect the feeling of the Kanaka ʻŌiwi to nature symbols of their ʻāina. The article ("Ehuehue Halemano," 1893, p. 2) concludes:

I nui ke aho o na hoa makaainana, a na ka la e hiki mai ana, e hoike mai i ka puana a ka moae. A oia ka makou e kanaenae ae nei i keia mau lalani mele penei:	The patience of the common people has been great [waiting to restore Hawaiian sovereignty after the overthrow], and the day of revelation is coming. And this is why we lift up these poetic lines here:
Ehuehu Halemano i ka ua lulehua	Halemano is animated by the stormy lehua-scattering rain
Kanu no o na pua i Kukaniloko.	The flowers at Kūkaniloko are planted.

The writer references the lines as kānaenae, a "chanted supplication prayer" also used in sacrifice or dedication, as the people to their Queen (Pukui & Elbert, 1986, p. 126). The second line, "Kanu nō ʻo nā pua i Kūkaniloko" is also found in the mele for Kakuhihewa. Moreover, the reference to the pua (flowers) planted at Kūkaniloko has a figurative meaning of heredity or inheritance. Thus, the descendants of the Oʻahu chiefs born at Kūkaniloko are dedicated to aloha ʻāina (love of the land) and regaining their government.

Another variation of the above ʻōlelo noʻeau found in the Hawaiian language newspapers is "Ohuohu makou i ka leilehua o Halemano, kanu na pua lei ahihi" ("Nuhou Kulokou," 1907, p. 3). This can be translated as "we are adorned with the lehua lei of Halemano, the ʻāhihi blossoms are cultivated."

It is recorded that there was once a heiau within the boundaries of Kūkaniloko, but by 1933, the heiau located at the site had been obliterated due to the establishment of pineapple plantations (McAllister, 1933 p. 137).

Recent interpretations of the traditions suggest that the name Kūkaniloko applied to an area that stretched as far south as Waikakalaua and Līhuʻe, west to Kalena, and north to Helemano.

3.1.8 Keanianileihuaokalani

Keanianileihuaokalani is more commonly known as the "healing stones of Wahiawā." The name can be interpreted as "the reflective or refreshing seed lei of the chief." Their origin is

unknown. Some accounts say that the stones were originally found in the Kaukonahua Gulch on the property later occupied by the Waialua Sugar Co. The stones were removed from that site, upon which the large stone broke into three pieces. When healing properties were attributed to those stones, they were moved again, this time to Kūkaniloko, since the sacred site was nearby.

According to a *Honolulu Advertiser* article, these "healing stones" were located at Wahiawā Cemetery at the end of California Avenue, and people came from all over the island to visit them. They were thought to have come from an unidentified river bottom ("Sacred Stones," 1939, p. 10).

In 1918, the Daughters of Hawai'i took on the responsibility of the Kūkaniloko site and the stones were subsequently moved in 1927 to the edge of a cemetery on California Avenue in Wahiawā. At this point, the healing properties of the stones became widely known to the public, who traveled in masses to visit the stones.

Newspaper articles at that time documented the pilgrimages of those visitors who held high hopes that their maladies would be alleviated. Stories abounded that miracles occurred—the blind could once again see, malformities and injuries healed. However, the newfound reputation of the stones and the area itself led to the commercialization of such miracles as self-proclaimed healers and peddlers of wares took up residence nearby, selling odds and ends to those making the trek to visit the sacred stones. Nearby residents, likely cynics who did not believe in the healing properties of the stones, began to complain about the crowds attracted to the area.

Eventually, the popularity of the stones abated, and in 1947, a private group built a cement structure to house the stones and protect it from the elements, while visitors were still welcome to leave offerings and spend time with the stones. In 1988, the care of the stones was taken over by a local Hindu group, Lord of the Universe Society (LOTUS), who were struck by the stones' resemblance to their god Shiva. LOTUS then invested money to upgrade the old, dilapidated shed and build a marble shrine for the stones.

Newspaper articles in 2005 in the *Honolulu Advertiser* and the *Honolulu Star Bulletin* outline the developing relationship between Kanaka 'Ōiwi who honor the history of the stones and the self-appointed Hindu caretakers. While that relationship was rocky at the outset due to differing religious practices regarding the stones, the groups agreed that the sacred nature of the stones was of utmost importance. Elithe Khan shared that "Neglected sites are being taken care of as part of the resurgence of Hawaiian awareness [...] Kupunas [grandparents, ancestors] have taken up the cause. It's important that we introduce young children to the history" (Adamski, 2005, p. D6).

Awareness of these sacred stones grew within the Hawaiian community, and in 2010, the stones disappeared from their enshrined residence at California Avenue. In a *Star Advertiser* article, Tom Lenchanko, the kahu (caretaker) of Kūkaniloko, said "those involved in the moving of the stone were simply adhering to the instructions of their ancestors." He continues, "It is our duty to malama the things that are sacred and put them where they belong. Our kupuna told us that it was time to take them home, and we did" (Tsai, 2010, p. B1).

Lenchanko also refuted the stone's healing properties in his statement, saying instead that it was likely a kapu marker for travelers between ahupua'a. And yet, the move by Native Hawaiians to restore the stone to its natural habitat reinforces Hawaiian perspective of the sacred quality of natural elements, as well as Kanaka ʻŌiwi responsibility to those elements and wahi pana of Hawai'i.

3.1.9 Helemano

Like Kūkaniloko, Helemano (alternatively Halemano) is located outside of the Wahiawā area (to the north), but its significance as a traditional locale warrants mention. Helemano means "traveling together" (many traveling as a group), while Halemano means "many houses." Līhau is the name of the rain of Helemano and Mālamanui; it is a "gentle cool rain" that also means "moist and fresh, as plants in the dew or rain; cool, fresh, as dew-laden air" (Pukui & Elbert, 1986, p. 205). The name is recorded in two separate mele collected and translated by Akana & Gonzales (2015). The first, mentioning Halemano, is a kanikau for Daniel Manuhoa Woodward composed by his wife Hellen Umiokalani Woodward (1904, p. 6):

O ka noe mai a ka ua līhau i uka o Halemano ē	The mist of the līhau rain in the uplands of Halemano
Me he kui ala e houhou mai ana i ka ʻili i ke anu ē	Like a needle pricking the skin in the cold

The second is found in the mele "Lilii Mokihana" composed by the ali'i Leleiōhoku (1855-1877) and cited in Akana & Gonzales (2015, p. 154):

Kuʻu ipo i ke kai ʻuwalu ʻili	My sweetheart in the sea that claws the skin
Ua lupea i ka ua līhau	Attractive in the līhau rain
A luhe laʻi i Mālamanui	And limp with contentment at Mālamanui
I ka wiliʻōkaʻi a ka ua	In the whirl of the rain

Some legends associated with Helemano relate to cannibalism. J. Jarves (1844) described Helemano as "a beautiful and retired rural spot … [lying] between two deep ravines … its area embraces several hundred acres, verdant and picturesque, but now regarded with

superstitious dread, from once having been the rendezvous of a clan of cannibals" under the rule of the chief ʻAikanaka (man-eater) (p. 72). The 19th century Hawaiian newspaper *Ka Hae Hawaii* ("Some Cannibals," 1861) recounts:

> There is a tale of a certain people who lived long ago up at Halemano in Waialua. They were known to roast and eat any person who went there as a stranger. The house site of their chief, whose name was Kalo, is pointed out and a flat, smooth stone called Kalo's meat dish that lies there to this day. It is away up in the mountain of Halemano. The land is on a high place surrounded by deep valleys and the trail leading to it is steep. There Kalo lived with his people. There also is a heiau site ten fathoms long and seven fathoms wide. Between the heiau and house site is the imu pit where people were roasted. Below that, about 13 or 14 chains away, lies Kalo's meat dish.

Emma Nakuina (1897) provides the fullest account of Oʻahunui (large or great Oʻahu), a ruling chief of Oʻahu who discovers a taste for human flesh after consuming it when dining with the Lo-ʻAikanaka cannibal chiefs from the south Pacific, who settled in the Halemano area after being driven to the uplands by the residents of the Mokulēʻia-Waialua communities. Her account is summarized by McAllister (1933, p. 138) and Beckwith (1970). Oʻahunui was located to the south of Wahiawā town when the Oʻahu chiefs lived. It was abandoned during the reign of Oʻahunui, who was turned to stone after consuming the flesh of his two nephews by his older sister Kilikiliua and brother-in-law of a non-related priestly line, Lehuanui (Nakuina, 1897, p. 90). It was also a village in the story of a woman who traveled the island searching for a lost kapa-beater.

In battles for the control of the island in 1783, the Maui chief, Kahekili, defeated the forces of Oʻahu. The Oʻahu aliʻi, Kahahana, his wife, and a friend escaped and hid in the mountains for over two years. In this battle, "they… thought it better to go up to Oahunui at Wahiawa and so they went to the forest of Halemano" (Kamakau, 1992, pp. 136-137).

3.1.10 Kuaʻikua

Kuaʻikua is the name of a place and stream in upper Helemano; it is also outside of the Wahiawā area. The stream is fed by a "sacred spring and only those related to the supernatural ones who made and hid it, are allowed to bathe in it" (Sterling & Summers, 1978, p. 112). Two of the ancient chiefs of Oʻahu, Haho and Lanakawai, were born at the kawa[6] of Kuaʻikua. Of the birth of Lanakawai, Kamakau (1991) wrote:

[6] Pukui & Elbert (1986) define kawa as "leaping place, as a precipice from which a swimmer leaps into a pool" (p. 139).

> Lana-ka-wai… was born at the *kawa* of Kua‘ikua in Wahiawā, O‘ahu. There is a flat rock there where his mother, Mahuia, squatted and gave birth to him; he floated on the water and so was given the name of Lana-ka-wai. (p. 101)

3.2 Pre-Western Contact Period

Along with Līhu‘e in ‘Ewa in the eastern foothills of the Wai‘anae Range, Wahiawā on the western slopes of the Ko‘olau Range was an area known as the home of chiefs. The chiefs of the area are described by Kamakau (1968) as such:

> The chiefs of Lihue, Wahiawa, and Halemano on Oahu were called *Lo* chiefs, *po‘e Lo Ali‘i* [“people from whom to obtain a chief”], because they preserved their chiefly kapus. They lived in the mountains (*i kuahiwi*); and if the kingdom was without a chief, threre in the mountains could be found a high chief (*ali‘i nui*) for the kingdom. Or if a chief was without a wife, there one could be found – one form chiefly ancestors. (p. 5)

One of the most notable figures to be raised in Wahiawā was Mā‘ilikūkāhi, one of the great ali‘i of O‘ahu who reigned well before the time of Kamehameha. When he was 29 years old, Mā‘ilikūkāhi was chosen by the chiefs, priests, and commoners to be high chief of the island, and was consecrated in a ritual that, “pertained to high chiefs from remote times… It was not performed for rebellious chiefs, however, nor for warrior chiefs who took the kingdom by force, but for ‘chiefs of Pōkano’ [chiefs of unblemished bloodlines from remote times. —M.K.P.]” (Kamakau, 1991, p. 54).[7]

During this period, the place names Līhu‘e and Leilehua were still in use for the area. Leilehua (“Lehua blossom garland”) was well known as the site of a lua (Hawaiian martial arts) school and is where Schofield Barracks is now situated (Pukui et al., 1974, p. 131). As previously mentioned, Līhu‘e now is only rarely used for the area, as the name is more commonly linked to the capital city of Kaua‘i County. Leilehua is seldom used, although the name still appears in use by the U.S. Military at its nearby golf course and clubhouse, as the names of these facilities are derived from the traditional place name of the area.

3.3 Early Historic Period to Mid-1800s

There is little known about the central O‘ahu plateau in the beginning of the 19th century. The earliest account was written by Serano Bishop, who, in the 1830s was a young man living at ‘Ewa with his missionary family. The family often traveled across the island to visit the Waialua Mission Station:

[7] Brackets in original text; MKP is Mary Kawena Pukui.

> There was then no road save a foot path across the generally smooth upland. We forded the streams. Beyond Kipapa gulch the upland was dotted with occasional groves of Koa trees. On the high plains ti plant abounded often so high as to intercept the view. No cattle then existed to destroy its succulent foliage. According to the statements of the natives a forest formerly covered the whole of the then nearly naked plains. (Bishop, 1916, p. 45)

The "nearly naked plains" could have resulted from one or a combination of several possibilities. Kī (ti plant, *Cordyline fruticose*) was a Polynesian introduction, traditionally useful for its leaves and roots. Cuddihy & Stone (1990) noted that "many of the forests in which these early introductions [including kī] predominate are probably successional after Hawaiian cultivation" (p. 32). If so, the extent of kī plant on the central plateau could represent the after-effect of Hawaiian agriculture in the uplands. It is also possible that "nearly naked plains" were the result of sandalwood trade between Hawai'i and Asia, which began in the 1790s.

The sandalwood trade boomed in the 1820s when ali'i were encouraged by foreign traders to participate in the market. The fragrant Hawaiian sandalwood ('iliahi or 'aoa; *Santalum spp*), a major export to the Chinese market between the 1790s-1830s, was a common forest tree in the central plateau of Wahiawā. Kamakau (1991) wrote that "at the completion of the fort [at Honolulu in 1816] the chief Kalanimoku and all the ali'i went to work cutting sandalwood at Wahiawā, Halemano, Pu'ukapu, Kānewai, and the two Ko'olaus [Loa and Poko]. The largest trees were at Wahiawā, and it was hard work dragging them to the beach" (p. 207). As the wood became increasingly scarce from overcutting, one method of collection was to set fire to the forest and trace the sandalwood by its fragrant odor (Bishop, 1916, p. 45).

In the 1840s, private property was introduced into Hawaiian society through formation of the Board of Commissioners to Quiet Land Titles and the adoption of the Māhele 'Āina of 1848 (Māhele). In 1845, King Kamehameha III waived his right to full authority over the land, portioning it out into: (1) 'Āina Lei Ali'i (crown lands) for the occupant of the throne; (2) 'Āina Konohiki (konohiki lands) for notable chiefs and those who provided service to the Kingdom; and (3) 'Āina Aupuni (government lands) to be used in support of public initiatives and as a means of providing land to those who did not acquire land in the Māhele. The result of these divisions were approximately as follows: 23.8% (984,000 acres) of land in the islands were allocated to the king and were dubbed the 'Āina Lei Ali'i, 39.2% (1,619,000 acres) were the 'Āina Konohiki to be divided among 245 chiefs, and 37% (1,523,000 acres) were declared as 'Āina Aupuni which were awarded to maka'āinana (commoners) who worked the land as active tenants (Van Dyke, 2008, p. 42).

Land Commission Awards (L.C.A.s) were awarded to commoners as kuleana lands for fee ownership. Kuleana land claims required proof of residency on the land and continued land improvements. L.C.A.s, therefore, record who resided on the land and how the land was used.

Royal Patents were often granted on L.C.A.s awarded from 1847-1853, which finalized the sale and legal title of the lands. Royal Patents were used until the overthrow of the Hawaiian government in 1892 and thereafter are referred to as Land Patents. Starting around 1846, Land Grants (LG) were established, which made it possible to purchase property outright rather than going through the land commission process. As a result of this process, LG documentation does not commonly specify how the land had been utilized prior to its purchase. The land was also granted under two different types of ʻili, ʻili ʻāina (land inheritance), and ʻili kūpono (or the shortened term, ʻili kū). ʻIli kūpono was "nearly independent land held by [the] chief where the transfer of the ahupuaa to a new chief did not carry with it the transfer of the ili kupono contained within its limits" (Lyons, 1903, p. 28).

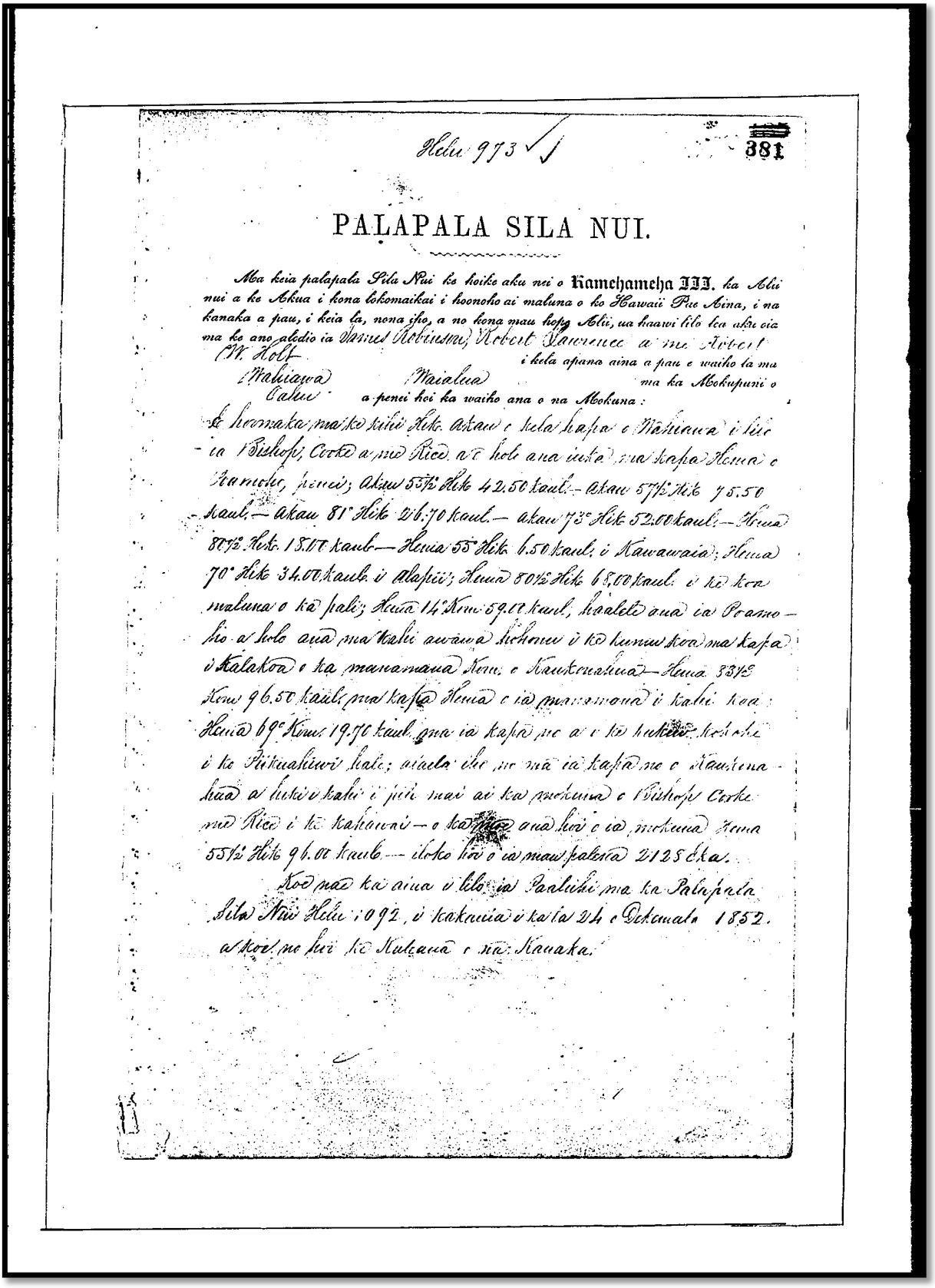
In 1913, the Territorial government formed the district of Wahiawā by combining this upper portion of Kamananui ahupuaʻa with Waiʻanae Uka ahupuaʻa (Coulter, 1935, p. 222). Since then, Wahiawā has also been referred to as an ahupuaʻa (e.g., Handy et al., 1972), although there is no record of such a land area in the *Indices of Awards Made by the Board of Commissioners to Quiet Land Titles* (1929). A 1904 map of grants in central Oʻahu identifies areas of Kamananui ahupuaʻa as "Wahiawa," "Kemoo," and "Kaheeka," suggesting that these may be sub-units of the traditional ahupuaʻa. This is also the name of the town that grew out of agricultural homesteads established in 1899. Handy et al. (1972) refer to the north fork of the Kaukonahua Stream as the Wahiawa Stream (p. 465).

3.3.1 Land Grant 973

In 1852, Kamananui, which includes the Wahiawā area, was designated Government Land. In 1853, approximately 2,128 acres of land in upland Kamananui, encompassing the project area and called Wahiawā, were purchased for $1,942 and awarded to James Robinson, Robert Lawrence, and Robert W. Holt as LG 973 (Figures 8 and 9). The land was purchased from the Board of Education, who had received it from the Hawaiian Government. Since the land was owned by the Hawaiian Government and later the Board of Education, no L.C.A.s were awarded in the area now known as Wahiawā.

Following the death of James Robinson in 1876, the land was transferred to his son Mark Robinson who used the area for cattle ranching for much of the rest of the 19th century. Robinson was a Hawaiian business magnate and politician best known for being the Minister of Foreign Affairs during the reign of Liliʻuokalani.

(This area intentionally left blank.)



Helu 973 ✓ 381

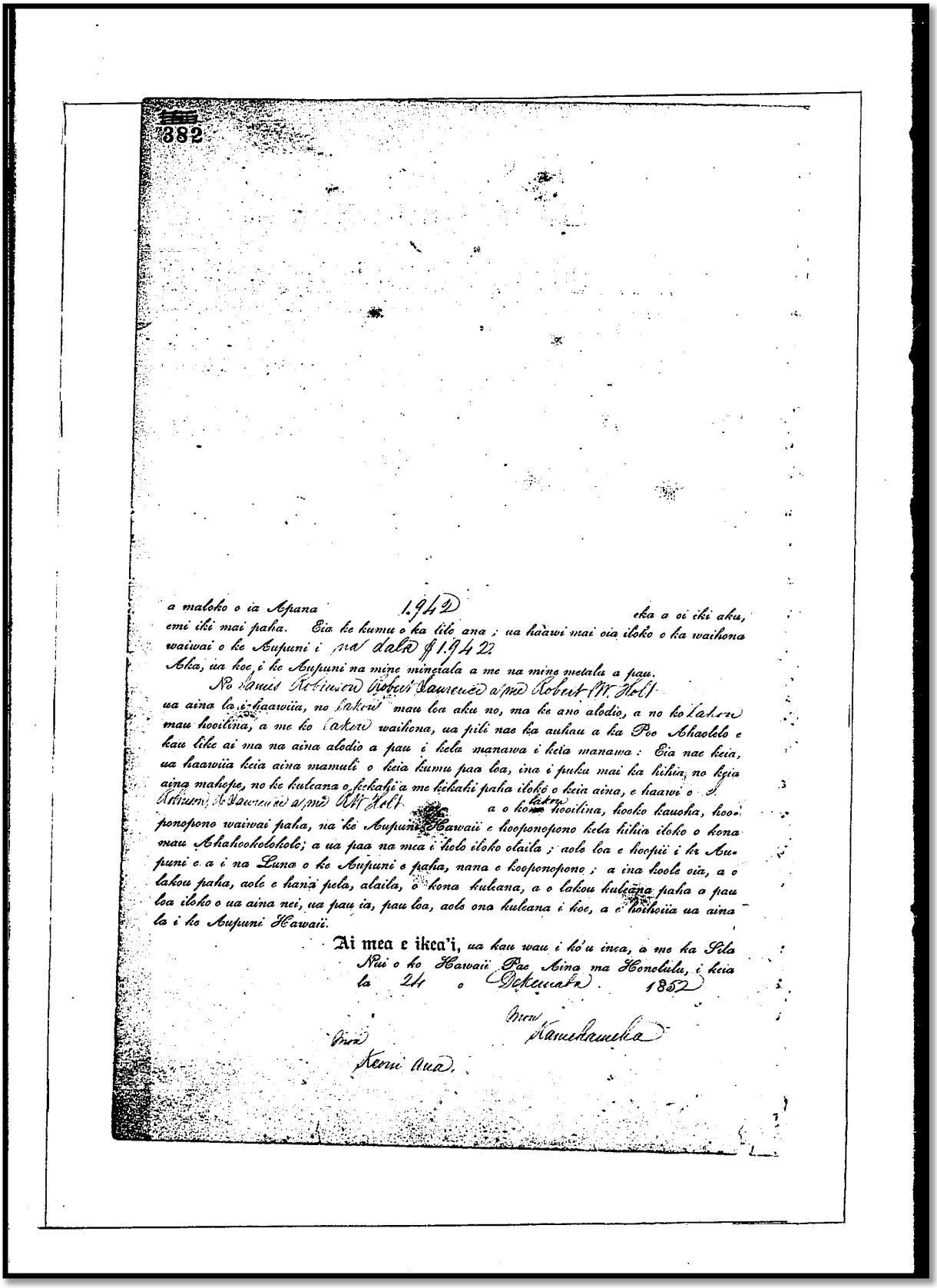
PALAPALA SILA NUI.

Ma keia palapala Sila Nui ke hoike aku nei o Kamehameha III. ka Alii nui a he Aikua i kona kokomaikai i hoonoho ai maluna o ko Hawaii Pae Aina, i na kanaka a pau, i keia la, nona ino, a no kona mau hoa Alii, ua haawi lilo loa aku ia ma ke ano aloha ia James Robinson, Robert Lawrence a me Artoi W. Holt i kela apana aina a pau e waiho la ma Waiawa Waialua ma ka Moku puni o Oahu a penei hoi ka waiho ana o na Moku na:

E hoomaka ma ke kihi Hik. akau o kela kapa o Waiawa i kiei ia Bishop, Cooke a me Rice a hele ana iuka ma kapa Hema o Kamoku, keia; Akau 55½° Hik 42.50 kaul.— akau 57½° Hik 75.50 kaul.— akau 81° Hik 26.70 kaul.— akau 73° Hik 52.00 kaul.— Hema 80½° Hik. 18.00 kaul.— Hema 55° Hik 6.50 kaul. i Kawawaia; Hema 70° Hik 34.00 kaul. i alapii; Hema 80½° Hik 68.00 kaul. i ke kua maluna o ka pali; Hema 14° Kom. 59.00 kaul, kaalele aua ia Poamoho a hele aua ma kahi awawa kohonei i ke kumu koa ma kapa i kalakoa o ka manamana Kom. o Kaukonahua— Hema 83½° Kom 96.50 kaul; ma kapa Hema o ia manomona i kahi koa; Hema 69° Kom. 19.70 kaul. ma ia kapa no a o ke kuahiwi kohoho i ke Pitualiiwi kahi; aiaela iho no ma ia kapa no o Kaukonahua a kuki o kahi i piii mai ai ka pohaku o Bishop Cooke me Rice i ke kahawai— o ka [illegible] aua kui o ia pohaku Hema 55½° Hik 96.00 kaul— iloko kiei o ia mau palena 2125 ehā.

Koe nae ka aina i kiloia Paaluhi ma ka Palapala Sila Nui Helu 1092, i kakauia i ka la 24 o Dekemaba 1852. a koe no hoi ke Kuleana o na Kamaka.

Figure 7. First Page of Palapala Sila Nui No. 973 for Area including Wahiawā


382

a maloko o ia Apana 1.942 eka a oi iki aku,
emi iki mai paha. Eia ke kumu o ka lilo ana ; ua haawi mai oia iloko o ka waihona
waiwai o ke Aupuni i mai dala $ 1.942
Aka, ua koe i ke Aupuni na mine mineraia a me na mine metalu a pau.
No Samuel Robinson Robert Lawrence a/me Robert W. Holt
ua aina la i haawiia, no kakou mau loa aku no, ma ke ano alodio, a no ko kakou
mau hooilina, a me ko kakou waihona, ua pili nae ka auhau a ka Poe Ahaolelo e
kau like ai ma na aina alodio a pau i kela manawa i keia manawa : Eia nae keia,
ua haawiia keia aina mamuli o keia kumu paa loa, ina i puka mai ka hihia no keia
aina mahope, no ke kuleana o kekahi a me kekahi paha iloko o keia aina, e haawi o
Samuel Robinson Robert Lawrence a/me Robert W. Holt
a o kona hooilina, hooko kauoha, hoo-
ponopono waiwai paha, na ke Aupuni Hawaii e hooponopono kela hihia iloko o kona
mau Ahahooholoholo; a ua paa na mea i loko iloko olaila ; aole loa e hoopii i ke Au-
puni o a i na Luna o ke Aupuni e paha, nana e hooponopono ; a ina hoole oia, a o
lakou paha, aole e hana pela, alaila, o kona kuleana, a o lakou kuliana paha a pau
loa iloko o ua aina nei, ua pau ia, pau loa, aole ona kuleana i koe, a e hoihoiia ua aina
la i ke Aupuni Hawaii.

Ai mea e ikea'i, ua kau wau i ko'u inoa, a me ka Pila
Nui o ko Hawaii Poe Aina ma Honolulu, i keia
la 24 o Dekemaba 1852

Kamehameha

Kenui aua.

Figure 8. Second Page of Palapala Sila Nui No. 973

3.4 1890s to Present Day

It is well established that the U.S. Military and other officials coordinated with Kingdom residents and foreigners in 1893 to overthrow the sovereign Kingdom of Hawai‘i. Many Hawaiians and others continue to consider this overthrow and “illegal” action as a violation of the many treaties held by the sovereign Kingdom at the time. This position is supported by the passage of the 1993 Apology Resolution, passed by the U.S. Congress in 1993 on the 100-year anniversary of the overthrow.

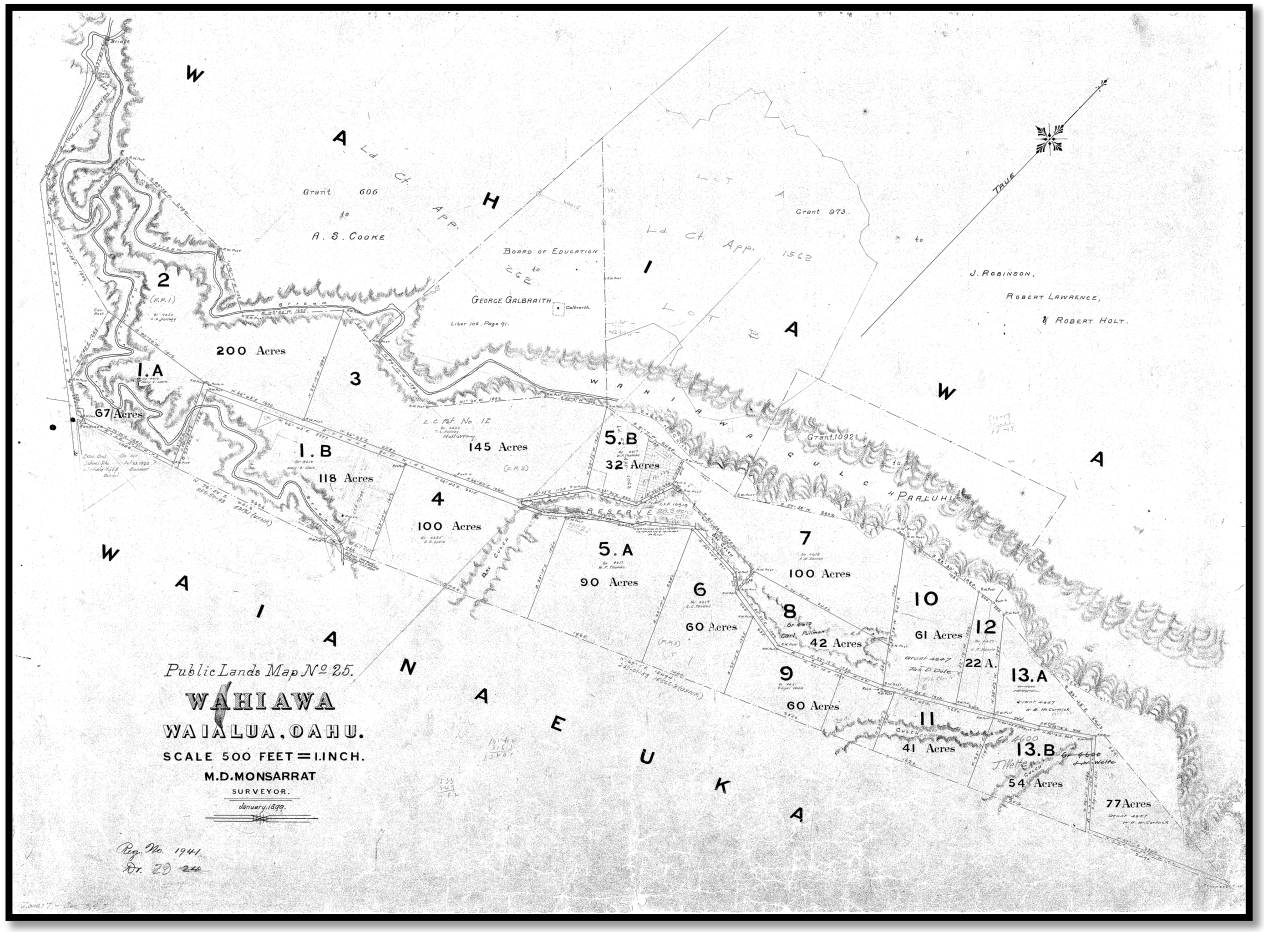
The overthrow was led by a group of white American European men, the “Annexation Club,” in reference to their strong advocacy for the annexation of Hawai‘i to the United States. Members included Henry E. Cooper, Theodore F. Lansing, Henry Waterhouse, Lorrin A. Thurston, Ed Suhr, F.W. McChesney, John Emmeluth, William R. Castle, William O. Smith, J.A. McCandless, C. Bolte, W.C. Wilder, and Andrew Brown. They named themselves the “Citizen’s Committee of Public Safety” and later changed their name to “The Committee of Safety.” After the overthrow, the individuals who orchestrated the coup d’état self-proclaimed themselves to oversee the government and established the “Republic of Hawai‘i.” They then “ceded” 1.8 million acres of land set aside as Crown and Government lands through the Māhele to themselves and quickly set out to sell these lands for their own gain.

The Republic of Hawai‘i, led by Committee of Safety member Sanford Ballard Dole as President, implemented a plan to sell off the Crown and Government Lands as agricultural homesteads. To achieve this, the Republic of Hawai‘i passed the Land Act of 1895, which resulted in the repeal of the 1865 Kingdom Law and allowed the Crown Lands to be sold. The law allowed only citizens to apply and excluded most Asian immigrants from citizenship, limiting the distribution of these homestead lots to only Hawaiian, haole (white) Americans, and western Europeans (Act 26, August 14, 1895, pp. 49-83). 46,594 acres were removed from the ceded lands sold by the Republic between 1895 and 1898. This included the lands of Wahiawā, as the lands granted to Mark Robinson were reclaimed by the Republic and made available for agricultural homesteads.

Peter Young (2017) describes the “dramatically altered… landscape of Kamananui Ahupua‘a during the last two decades of the nineteenth century” due to “rice cultivation, extension of the railroad system toward Waialua and the development of commercial sugar cane cultivation with the rise of the Waialua Agricultural Company (later named the Waialua Sugar Company).” He continues:

> These lands were further modified during the early twentieth century through the development of a military post (Schofield Barracks,) sugar cane cultivation (Kemo‘o Land Company,) a piggery and dairy operation (Kemo‘o Farm) and the pineapple

industry with its plantation settlements (Kemo‘o Camp) further re-shaped the landscape surrounding the project area (Cultural Surveys). (Young, 2017)


Public Lands Map № 25.
WAHIAWA
WAIALUA, OAHU.
SCALE 500 FEET = 1 INCH.
M.D. MONSARRAT
SURVEYOR.
January 1899.
Reg. No. 1941
Fr. 20 244
200 Acres
67 Acres
1. B
118 Acres
145 Acres
100 Acres
5. B
32 Acres
5. A
90 Acres
60 Acres
100 Acres
42 Acres
61 Acres
22 A.
60 Acres
41 Acres
54 Acres
77 Acres
13. A
13. B
J. Robinson,
Robert Lawrence,
& Robert Holt.
George Galbraith
Board of Education
Grant 606
to
A. S. Cooke
Grant 973.
Grant 1092
to
Kaaiakamanu
Kaaiakamanu
Kaaiakamanu

lobbied for business associates from California to move to the homestead lands. By 1899, Clark had completed facilitating the issuance of government grants to the Californians and helped them settle in Wahiawā and obtain the citizenship needed for land acquisition The area would become known as the Wahiawā Colony Tract, an area roughly bounded by the north and south forks of Kaukonahua Stream (Nedbalek, 1984, p. 19). California Avenue is named for these early plantation colonialists.

Clark, along with Alfred W. Eames, began planting and harvesting pineapple in 1900. Eames quickly established the Hawaiian Island Packing Company, which later became pineapple and agricultural giant Del Monte Fresh Produce (Hawai'i), Inc.

Also in 1900, James D. Dole (cousin to Sanford B. Dole), obtained approximately 60 acres of homestead lands in Wahiawā. He set to work building a pineapple plantation and cannery; both became operational by 1903. This significantly contributed to the initial success of the settler colony (Nedbalek, 1984, p. 25).

Dole (1939) wrote an account of those early days of the pineapple business in Wahiawā for the *Honolulu Advertiser*:

> In 1901 the Hawaiian Pineapple Co. had no cannery, no pineapple machinery, no tractors, automobiles or trucks. For a plantation it had very few acres at Wahiawa, a few plants and a promised lease of 300 acres.
>
> We had a plow, harrow and three horses. We had a name, but almost no money, and for two years the manager got no salary.
>
> Readers will be surprised to know that at Christmas time in 1901 the company employed only four people. I was manager, Fred Tracy was teamster and two Chinese men worked in the fields.
>
> Our first pineapples went to Honolulu in a wagon, and Tracy and I peddled them to the Honolulu fruit stores. Our first canning was done in 1903, and that year we packed 1,893 cases. How many minutes are required to pack 1,893 cases now [in 1939]?
>
> There was no railroad in Wahiawa. The road was direct, dust, or mud. Three hours to Wahiawa; five, if we went by buggy or horseback.
>
> One thing we had—an idea; to grow a good pineapple, to can it well and to sell it to every grocery store in the United States, every day in the year.

> Now [1939], people everywhere want our pineapple. The money people pay for our pineapple pays for cans, sugar, boxes. More important, it gives the company money to pay the people who do the plantation and cannery work. (p. 17)

Another important milestone in the evolution of the central plateau was the completion in 1906 of the O'ahu Rail & Land Company (OR&L) line from Waipahu to Wahiawā. This ensured reliable transport of pineapple from the Wahiawā fields to Honolulu canneries. Eventually, spur lines were extended to outlying fields and workers' camps.

The *Honolulu Advertiser* also wrote about the importance of the railway to the pineapple industry:

> "The Oahu Railway was the savior of the Wahiawa pineapple industry in its early days," declared Harry N. Denison, kamaaina railroad man and now assistant general manager of the Oahu railway. Mr. Denison came here in 1897 and has been with the railroad more than forty years, working up from car repair man.
>
> The cannery, established in 1903, was successfully preserving the fruit, but during the long trip to Honolulu the penetration by the red dust made much of it worthless.
>
> The growers were desperate. It was a railroad or close the doors. Mr. James D. Dole, backed by the Wahiawa colonists, was very aggressive in the struggle to bring the railroad into Wahiawa. Finally in 1905 it was decided to put the railroad through. The actual construction was finished in July 1906 to the gate of Wheeler field; the bridge to Wahiawa was put in the next year. ("Oahu Railway," 1939, p. 15)

(This area intentionally left blank.)

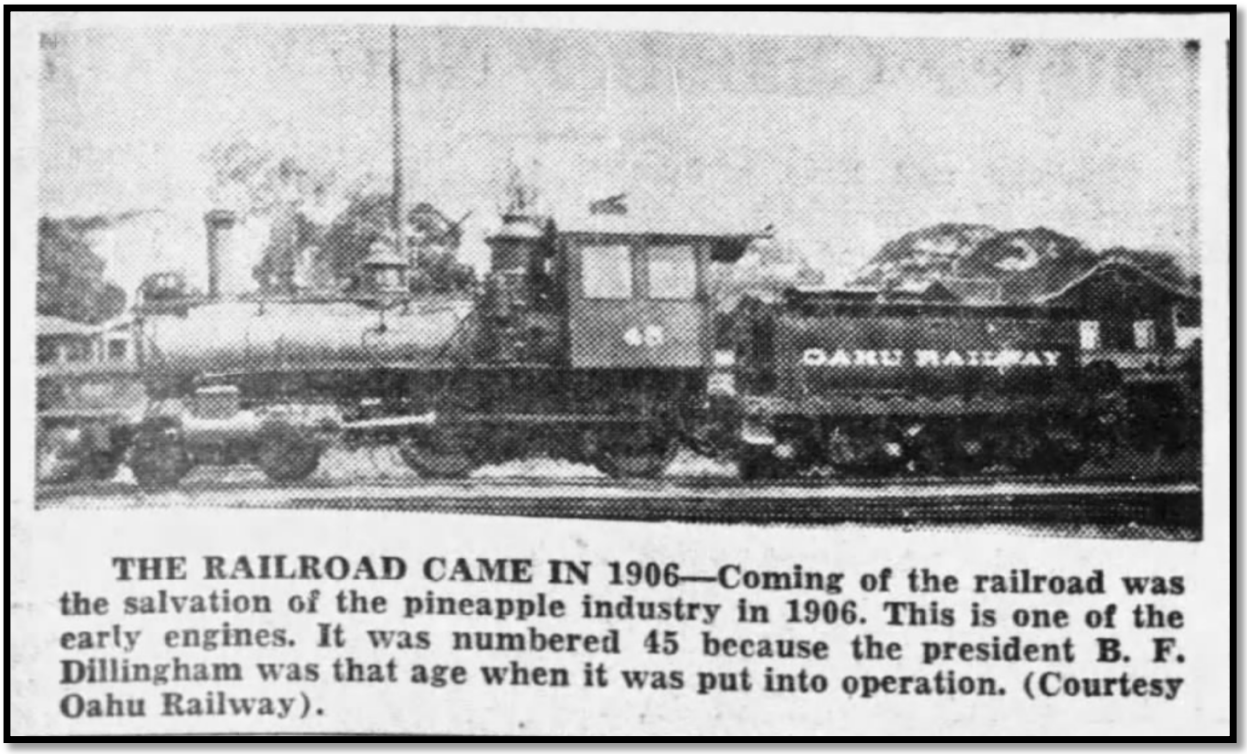


Figure 10. Engine "45," One of the Early Engines to Begin Service to Wahiawā ("Oahu Railway," 1939, p. 15).

Within ten years, the homesteaders, including Clark, had grown a thriving pineapple industry with more than 250,000 cases being harvested seasonally. Thousands of acres were in production (Nedbalek, 1984, p. 25). Wahiawā became the center of the pineapple industry. Clark led Clark Farm Co., Ltd., Dole led the Hawaiian Pineapple Company (which would become Dole Food Company.), W.B. Thomas established and led the Thomas Pineapple Co. (which later became part of Libby, McNeill & Libby when the company expanded into canning fruit). The Thomas plantation consisted of approximately 600 acres in Wahiawā.

Mid-Pacific Magazine touted that: "The best pines [pineapples] come from Wahiawa. The Consolidated Pineapple Co., a branch of the Hawaiian Development Co., maintains its canning factory in the midst of the biggest pineapple field in the world, at Wahiawa, and here the fresh fruit may be picked early every morning and canned in its own juice before night. This is the only company at Wahiawa that cans in the field" ("The Romance," 1911, p. 139).

The plantations recruited many immigrant laborers to the area. While the 1895 Land Act still prohibited immigrants from applying for homestead lands themselves, they nonetheless moved into the area, often into plantation housing, and built their lives in Wahiawā. The project area was utilized for pineapple cultivation for many years prior to its current use (Figure 12).

Figure 11. Portion of a 1927 Army Aerial Photograph showing the Project Area (U.S. Army, 1927)

3.4.2 Military

In 1909, the U.S. Military began construction of Schofield Barracks to the west of Wahiawā town. Wheeler Field was developed in the 1920s as a small, two-squadron operation, and was greatly expanded in the 1930s.

Pineapple cultivation remained the dominant activity on the east side of the plateau in the early 20th century. In the 1920s, much of the area now included in military lands in Wahiawā was under pineapple cultivation; Galbraith Spur connected the OR&L line to the fields, passing close to Kaukonahua Camp which lay just southeast of the installation area (USGS, 1927-30). Cultivation continued until 1940, when the U.S. Navy acquired a little over 389 acres for the establishment of a radio transmitter facility:

> Almost at the center of the island, the Contractors were ordered to build a huge new radio station. A mile or so back of the village of Wahiawa the land swelled to a level hilltop—the highest ground for several miles. Wahiawa was to be the main receiving unit for the Pacific fleet—capable of picking up messages from the farthest corner of the ocean.
>
> The radio station… was to be as a large as any in the world. A forest of wooden poles ranging in a complicated pattern over half a square mile of ground would support a grid of copper strands that could intercept signals no matter how weak from every direction. At the center all wires would be gathered together into cables and led to a vault deep underground, where the receiving instruments would be protected from any possible bombing raid. (Woodbury, 1946, pp. 172-173)

Following World War II, the facility was expanded by the addition of 304 acres.

3.4.3 20th Century History

Throughout the 20th century, Wahiawā went through several critical changes, but residents have tried to hold on to its plantation-era aura. A historical map and historical walking trail were developed to allow visitors and residents to learn about enjoy the history of Wahiawā.[8] Sites located closest to the project area are described below. None are in the immediate vicinity of the project with exception to California Avenue, which runs along the northern boundary of the property area. The full interactive Wahiawā Historic Trail Map is available through ArcGIS Online at https://arcg.is/0TWaKT.

[8] Out of respect for the community who developed these materials, we have included them as originally presented and made available to the public.

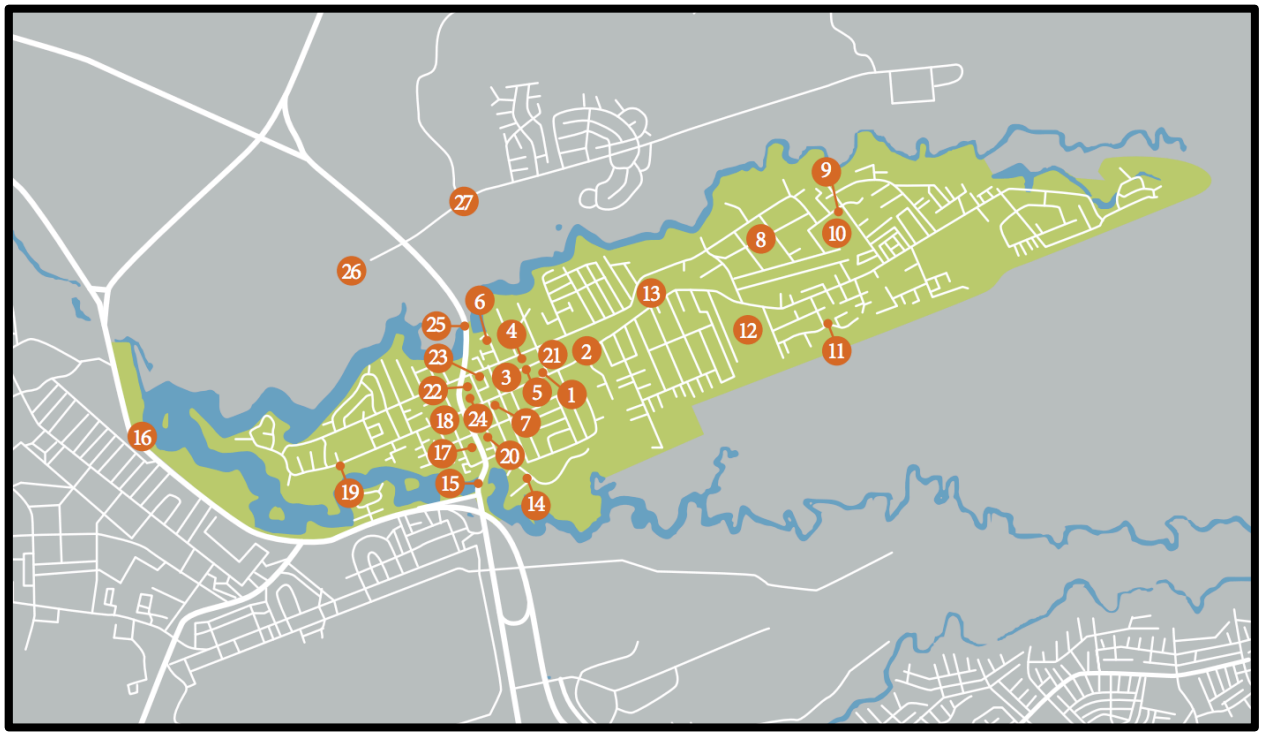


Figure 12. Interpretive map by the Wahiawa Historical Society (n.d.) of Historic Sites located in Wahiawā town

California Avenue (Site 2 on Historical Trail Map)

"The main road in Wahiawa town is named after the original thirteen settlers from California who founded the Wahiawa Settlement Association. Byron Clark led this group to Wahiawa because it was the only large tract of land that was available to purchase. In fact, Wahiawa is so old that it predates the county ordinance passed during the 1970s which required street names to be in Hawaiian." (Wahiawa Historical Society, n.d.)

Marigold Acres (Site 11 on Historic Trail Map)

"Real estate developer and founder of Kemoʻo Farms, Percy M. Pond, built the Marigold Acres when he realized that housing in Wahiawa would become inevitable. Specifically meant for the wealthy, the subdivision was designed as a restricted area for white residents only." (Wahiawa Historical Society, n.d.)

Leilehua Cherry Blossoms (Site 12 on Historical Trail Map)

"Three cherry blossom trees were planted in commemoration of the first 943 Kanyaku Imin, a government-sponsored Japanese laborer. Governor George and First Lady Jean Ariyoshi invited Prince Masahito and Princess Hanako Hitachi and the Governor of Okinawa Junji Nishime as part of the Kanyaku Imin project which planted one million trees to represent each resident of Hawaiʻi." (Wahiawa Historical Society, n.d.)

Wahiawā Botanical Gardens (Site 13 on Historical Trail Map)

"Considered to be the 'Tropical Jewel' of Oʻahu's botanical gardens, the Wahiawa Botanical Garden also has a past that is rooted in plantation history. The 27-acre property was originally leased by the Hawaiian Sugar Planters Association for crop experimentation and forest preservation. In 1950, the parcel was returned to the territory of Hawaii and opened as a public botanical garden in 1957." (Wahiawa Historical Society, n.d.)

(This area intentionally left blank.)

4.0 Ethnographic Data

The following section provides ethnographic data in the form of interviews conducted by Honua Consulting. Ethnographic data is utilized to supplement the other research methods. It is one in a range of research tools employed to gather information about the project area.

Interviews were requested with individuals from the area with knowledge about the area's history or cultural resources.

4.1 Previous Interviews from Nearby Projects

The ethnographic interviews conducted for the Wahiawā Freshwater Park project (2024) reveal a landscape deeply intertwined with culture, ecology, and community well-being. Voices such as Kumu Hula Noelani DeVincent, Dodge Paikuli Watson, and Dole supervisors Dan Nellis and Jon Ching provide a multifaceted understanding of the park—not merely as a recreational site, but as a living space where history, environment, and stewardship converge.

For Kumu Hula Noelani DeVincent, Wahiawā is not just a place but a living lineage. A fourth-generation resident and president of the Hawaiian Civic Club of Wahiawā, she described the area as part of a vast sacred geography centered on Kūkaniloko, the birthing stones of Hawaiian chiefs. Once encompassing over 36,000 acres—including the area now known as Lake Wilson—Kūkaniloko was historically a political and spiritual center of Hawaiian life. DeVincent cautioned against reducing sacred sites to fenced parcels, urging that planning processes recognize the larger cultural and ecological systems that define them. She framed ecological restoration as an act of cultural renewal, citing projects like "Trees for Kūkaniloko," which have reintroduced native species such as koa and ʻiliahi. Restoring native flora, she emphasized, is inseparable from restoring Native Hawaiian identity, as land, species, and culture are interdependent.

Yet DeVincent also acknowledged the park's present challenges. Once a thriving community gathering place, Wahiawā Freshwater Park has been compromised by safety concerns and houseless encampments. She expressed compassion but also called for improved management, clearing invasive vegetation to open sightlines, and ensuring security so that families once again feel safe. Her vision for revitalization integrates ecology, culture, and safety: building a traditional hale for education and gatherings, hosting events like *Day at the Lake*, and reviving practices such as fishing and makahiki games.

Where DeVincent's testimony emphasized cultural continuity, Dodge Paikuli Watson offered a perspective shaped by technical experience and lived connection to the landscape. A retired construction inspector and diver, he recalled working on the 1980–1981 Airplane Bridge replacement, where storms and dam mismanagement flooded the site, forcing underwater

construction in zero visibility. His story illustrated the unpredictability of Wahiawā's hydrology—a reminder that natural forces continually challenge human designs. Watson's observations as a fisherman added another layer: tilapia, peacock bass, catfish, and even a rare freshwater fish he called a pūnui reflected the hybrid ecology of the reservoir, where native and introduced species coexist. He also noted traces of past human activity, such as plantation-era glass bottles along the riverbanks, and urged archaeological monitoring and water quality oversight to ensure the park's future use remains responsible and sustainable.

Dan Nellis and Jon Ching of Dole brought an agricultural and hydrological viewpoint, framing the reservoir as a key part of a regional water system connecting the North and South Forks of the Kaukonahua Stream to Kaiaka Bay. They emphasized sediment control, erosion management, and continuous water monitoring to protect both agricultural and ecological systems. Like the others, they cited safety concerns related to houseless encampments and supported improvements to encourage responsible recreation and community use.

Across all accounts, common themes emerge: safety as the foundation for revitalization, ecological responsibility as cultural duty, and community engagement as essential to stewardship. Together, these voices portray Wahiawā Freshwater Park as a landscape of memory and renewal—a place where cultural heritage, environmental care, and community resilience must work in harmony to restore the spirit of Wahiawā.

4.2 Interview with Dodge Paikuli Watson

Interviewer: Matthew Sproat
Interviewee: Dodge Paikuli Watson – Fisherman, Former Area Resident and Retired Construction Inspector

The interview with Mr. Dodge Paikuli Watson, a retired construction inspector formerly with the State of Hawai'i Department of Transportation (DOT), was conducted on October 8, 2025, as part of the Cultural Impact Assessment (CIA) for the proposed Department of Land and Natural Resources Division of Conservation and Resources Enforcement (DOCARE) substation in Wahiawā. Born and raised in Honolulu, he lived in the area with his family for approximately 20 years, before returning to his family's property in Honolulu, where he still resides. Watson's familiarity with the project area stems from his work on major infrastructure projects in Wahiawā during the 1980s, particularly the replacement of the bridge that crosses the stream entering the town, a location adjacent to the proposed DOCARE site. His first-hand experience with the landscape prior to and during construction offers valuable historical insight into the environmental and cultural setting of the area.

Watson explained that the bridge project in Wahiawā, undertaken around 1980–1981, involved replacing an aging metal bridge with the current concrete structure that remains in use today. Initially intended as a two-year project, the work extended over three years due to

flooding and logistical delays. The Wahiawā Stream and reservoir system—known as Lake Wilson—rose to an elevation of approximately 847 feet, inundating construction sites and submerging the newly installed bridge foundations. This extreme flooding event, likely associated with a major storm or hurricane of that period, profoundly shaped his memories of the site and the hydrology of the surrounding area.

In describing the project's environmental setting, Watson noted that Lake Wilson served multiple purposes, including recreation (fishing and boating) and as a water collection and irrigation source for the extensive pineapple plantations that once dominated the region. The freshwater system, he emphasized, was integral to agricultural production during that period, supplying water for nearby fields through irrigation channels. While no specific traditional practices were documented in his professional experience, the reservoir clearly functioned as an important local resource that sustained both industry and community use.

Watson also shared anecdotal evidence of local collectors searching for old Hawaiian bottles along the banks of the reservoir and river during construction. Workers would find signs that people had trespassed onto the site over weekends to dig along the shoreline for antique glass bottles—artifacts he associated with earlier plantation or pre-statehood eras. Although he did not personally witness any major archaeological finds, the recurring interest of bottle collectors indicates that cultural materials or historic artifacts may still be present in the area's soil deposits.

When asked about native flora and fauna, Watson did not recall any distinctly Hawaiian plant species in the immediate vicinity. Vegetation at the time largely consisted of introduced or naturalized species, such as eucalyptus, which continues to dominate the area today. He noted that, during the early 1980s, environmental review processes were minimal—predating the modern era of environmental and cultural compliance—and that neither the project team nor contractors paid special attention to native species, burials, or archaeological monitoring. However, from his experience, no bones, burials, or structural remains were encountered during excavation or construction, and no culturally significant flora were observed.

Watson's firsthand observations also included unique environmental insights gained while volunteering to dive in the Wahiawā River during a flood event to inspect the submerged bridge foundations. As a skilled spearfisher and scuba diver, he described entering the water under hazardous conditions: visibility dropped to zero beyond five feet below the surface, with the water turning completely opaque and black due to suspended silt. The riverbed, he recalled, consisted entirely of deep mud, with no rock formations, cultural features, or structural remnants encountered during his dives. His description underscores the heavily silted, low-visibility nature of the freshwater system, suggesting that potential archaeological deposits—if present—would likely be deeply buried or difficult to identify without extensive sediment removal.

Regarding customary or cultural practices, Watson confirmed that fishing was, and continues to be, a common activity within the area. However, he did not believe the proposed DOCARE substation would significantly affect these practices or the broader freshwater ecosystem. He observed that any environmental impact from the small substation would be minimal compared to larger infrastructure projects such as the bridge replacement, which involved substantial excavation in the riverbed. In his view, the natural turbidity and siltation of the reservoir are ongoing characteristics of the system rather than results of localized construction.

When asked about potential cultural or archaeological concerns, Watson reiterated that no bones, burials, or traditional sites were identified during his tenure on the project, and he considered it unlikely that such materials would be discovered within the project footprint. However, his recollections of bottle hunting suggest that there may be historic-era deposits near the riverbanks worth documenting.

In discussing best management practices (BMPs), Watson drew from his professional experience in construction inspection and stormwater management. He recommended standard BMP measures to prevent sediment and debris from entering the freshwater system during construction, such as installing silt fencing, stormwater filters, and perimeter controls. At the same time, he contextualized these practices by noting that the Wahiawā Stream and Lake Wilson naturally function as stormwater catchments for the surrounding uplands, receiving runoff from roads, houses, and agricultural lands. He stated that, while protective measures should still be implemented, the waterway's inherent purpose as a drainage basin reduces the likelihood of long-term harm from small-scale development like the proposed DOCARE facility.

Overall, Watson's interview provides valuable historical, environmental, and practical context for understanding the Wahiawā project area. His recollections highlight the area's long-standing relationship with agriculture, freshwater management, and small-scale community recreation, as well as its transformation through mid- and late-twentieth-century infrastructure development. From a cultural perspective, the interview suggests that while no direct traditional Hawaiian practices or archaeological resources were identified, the freshwater landscape of Lake Wilson remains an enduring feature of community life in the region. His testimony underscores that careful construction management and continued respect for the environmental character of Wahiawā will help ensure that new projects, such as the DOCARE substation, coexist harmoniously with the area's historical and natural setting.

4.3 Interview with Kumu Hula Noelani DeVincent

Interviewer: Matthew Sproat
Interviewees: Kumu Hula Noelani DeVincent – Founder of Hālau Hula o Noelani and current President of the Hawaiian Civic Club of Wahiawā

Kumu Hula Noelani DeVincent, founder of Hālau Hula o Noelani and current President of the Hawaiian Civic Club of Wahiawā, participated in a cultural impact assessment interview on October 7, 2025, regarding the proposed Department of Land and Natural Resources Division of Conservation and Resources Enforcement (DOCARE) substation in Wahiawā. Born at Wahiawā General Hospital and raised in the community, DeVincent represents the fourth generation of her family to live in Wahiawā, with her children and grandchildren marking the fifth and sixth generations. Her deep genealogical and personal connections to the area, coupled with her role as a cultural practitioner and community leader, provide a significant lens through which to understand the project's potential cultural impacts. She described the project site as lying along the main entry and exit route to Wahiawā, a highly visible and well-known area near Lake Wilson (Wahiawā Reservoir). The land, she explained, is part of the greater cultural landscape of Kūkaniloko, the sacred birthing site of aliʻi, which extends far beyond the five-acre parcel currently recognized by the State to encompass approximately 36,000 acres from the Waiʻanae to the Koʻolau mountain ranges. The project, therefore, technically falls within the broader boundaries of this culturally significant region, though she did not believe that the construction of a small DOCARE building would directly impact Kūkaniloko itself.

DeVincent identified several other culturally meaningful features near the project area. She recalled stories from her father's generation of swimming in Lake Wilson and described it as a site of shared community memory, even though it has become polluted in recent decades. She also mentioned remnants of plantation-era railroad tracks in the vicinity, where local children once jumped into the lake, suggesting potential historic resources linked to Wahiawā's industrial and plantation past. In addition, she noted that the area was once covered in abundant woodrose vines (*Ipomoea tuberosa*), a plant traditionally used by Native Hawaiians for lei and haku making. These recollections reflect an intimate relationship between residents and the local landscape—one that ties the community's identity to both natural and cultural resources.

While she was not aware of any specific customary practices currently being conducted in the immediate project area, DeVincent acknowledged the presence of mele, oli, and moʻolelo that reference Wahiawā and contribute to its cultural identity. She emphasized that Wahiawā remains a distinct "mom and pop" town characterized by long-standing family lineages and close-knit community relationships. Many residents, including her own family, continue to live on ancestral lands, maintaining generational continuity that she considers one of Wahiawā's most important cultural resources. In her view, the community itself—its people, relationships, and shared memories—embodies a living cultural landscape that warrants protection alongside archaeological or historic sites. She expressed concern that state development could threaten this delicate sense of place if not designed in harmony with the town's rural character. Specifically, she cautioned that new facilities should not be large or visually

intrusive and should instead blend with the existing environment to preserve Wahiawā's aesthetic and cultural integrity.

DeVincent also raised questions about community benefit and participation, asking whether the proposed DOCARE facility would create job opportunities for local residents or simply serve as an office for existing state employees. Her comments underscored a broader theme in cultural impact assessments: that cultural stewardship and social equity are deeply intertwined. She recommended that, following development of the project's master plan, the state return to consult with key community leaders, including the Hawaiian Civic Club of Wahiawā and local kūpuna, to ensure that the project reflects community values and priorities. She expressed willingness to participate in future consultations and suggested that other long-term residents and elders—especially those with generational knowledge of Wahiawā—be engaged in the planning process.

In closing, DeVincent reiterated her appreciation for being included in the consultation and stressed that culturally sensitive development in Wahiawā must respect both the tangible and intangible heritage of the place. While she does not anticipate that the DOCARE substation would directly affect Kūkaniloko or other known cultural sites, she views community continuity, landscape character, and design sensitivity as critical components of cultural preservation. Her testimony reflects the importance of acknowledging Wahiawā as a living cultural landscape—where history, genealogy, and daily life remain deeply intertwined—and calls for ongoing consultation, thoughtful design, and respect for the community's enduring cultural identity.

(This area intentionally left blank.)

5.0 Impact Assessment

Impact assessments for CIAs are conducted to identify, evaluate, and mitigate potential effects on cultural resources, practices, and traditions. These assessments ensure that projects respect and protect sites, landscapes, and practices of cultural significance, particularly for indigenous and local communities. By documenting traditional knowledge, historical context, and community concerns, CIAs help inform decision-making, ensuring compliance with laws such as HRS Chapter 343 and, potentially, HRS 6E in Hawai‘i. The following looks at the potential categories of resources that may be impacted by the project and assesses the potential impact on each of these categories.

5.1 Impacts to Flora

There is a single non-native tree on the property. No impacts to flora are anticipated.

5.2 Impacts to Fauna

There are no wildlife species on the property and no species with cultural significance use the area. No impacts to fauna are anticipated.

5.3 Impacts to Historic Sites

Honua Consulting, LLC conducted an archaeological LRFI of the project area, which assessed previous archaeology and included a 100% pedestrian survey of the project area. Based on this assessment, it is unlikely the project will impact historic sites.

5.4 Impacts on Intangible Cultural Resources

Intangible cultural resources refer to those resources without physical form. The project area has been largely disturbed due to previous industrial use. Therefore, the project activities are unlikely to impact intangible cultural resources in the area. Previous interviews identified that the area faces ongoing impacts from houseless persons who frequent the area. The project will likely improve that situation.

5.5 Impacts to Cultural Practices

This project is unlikely to have any potential impact to the traditional and customary practices that take place in the surrounding region. If historic resources or iwi (bones) are inadvertently discovered during project work, area cultural descendants should be engaged to care for the iwi.

5.6 Cumulative and Indirect Impacts

Adverse cumulative and indirect impacts to cultural resources are often overlooked in CIAs, as they are difficult to assess. Cumulative impacts are cultural impacts that result from the incremental effects of an activity when combined with past, present, and reasonably foreseeable future actions and activities. Indirect impacts are impacts on cultural resources which are not a direct result of the project, but a secondary or tertiary result of the project. It is currently not anticipated that the project will have any cumulative or indirect impacts.

5.7 Mitigation and Best Management Practices

Due to the negligible impacts on cultural resources, there are no mitigation measures recommended beyond standard construction BMPs at this time. Standard archaeology best practices should be implemented. Compliance with HRS Chapter 6E will require consultation with SHPD. Any additional identification measures, if deemed appropriate, should be implemented based on consultation with SHPD. In the event of the inadvertent discovery of cultural resources, cultural practitioners should be consulted as appropriate to ensure the proper treatment of any cultural resources and the allowance of appropriate cultural practices. The relationship and consultation with the Hawaiian Civic Club of Wahiawā are urged to be maintained and continued throughout the project.

(This area intentionally left blank.)

6.0 *Ka Pa'akai* Analysis

It has long been the law of the land that the State of Hawai'i and the Counties have an "obligation to protect the reasonable exercise of customary and traditionally exercised rights of Hawaiians to the extent feasible" *Public Access Shoreline Hawai'i v. Hawai'i County Planning Commission ("PASH")* 79 Hawai'i 425, 450 n. 43, 903 P.2d 1246, 1271 n. 43 (1995). In the *Ka Pa'akai* decision of 2000, the Court established a framework "to help ensure the enforcement of traditional and customary Native Hawaiian rights while reasonably accommodating competition private development interests." 94 Hawai'i 31, 35, 7 P.3d 1068, 1972 (2000). This analysis is used here to fulfill the goal of this CIA (**Section 1**). It is also used as guidance to state agencies in fulfulling their obligations under *Ka Pa'akai*.

It is also imperative to emphasize that the State may not delegate its obligations under the *Ka Pa'akai* decision to another party. Therefore, the state remains responsible for making its own findings on these issues.

To complete a thorough CIA that complies with statutory and case law, it is necessary to fully consider the information available from and provided by Native Hawaiian cultural practitioners and cultural descendants from the project area. From thorough research, data was extrapolated that provides a comprehensive look at the cultural resources in this 'āina. Through this research, the factors from *State v Hanapi* are met. These factors are: "to establish that his or her conduct is constitutionally protected as a native Hawaiian right, he or she must show, at minimum, the following three factors. First, he or she must qualify as a "native Hawaiian" within the guidelines set out in PASH . . . [as] "those persons who are 'descendants of native Hawaiians who inhabited the islands prior to 1778,' ... regardless of their blood quantum." Second, once a defendant qualifies as a native Hawaiian, he or she must then establish that his or her claimed right is constitutionally protected as a customary or traditional native Hawaiian practice.... Finally, a defendant claiming his or her conduct is constitutionally protected must also prove that the exercise of the right occurred on undeveloped or "less than fully developed property." 89 Hawai'i 177, 185-86, 970 P.2d. 485, 493-94 (1998).

The *Ka Pa'akai* analysis is essentially a legal analysis, as the applicable tests are legal standards. Therefore, a strong analysis is conducted by someone with sufficient legal training. Additionally, at the core of a thoughtful *Ka Pa'akai* analysis is a comprehensive understanding of traditional and customary practices. In breaking down the Court's tests, it is important to the different elements that contribute to each test.

The first test - "The identification of valued cultural, historical, or natural resources in the project area, including the extent to which traditional and customary Native Hawaiian rights are exercised in the project area" –consists of two separate elements. First, the simple

identification and existence of valued cultural, historical, or natural resources. These resources are tangible. They can include sacred places, culturally valuable plants, or a religious or historic site. This survey sought to exhaustively identify the great multitude of resources that may exist in the project or adjacent areas.

As to this test, this survey shows potential resources within the project area. Archaeological survey work has been conducted, and any impacts to historic sites and properties will be formally assessed through the HRS 6E-8 process, which is required for this project.

The second element of this first test is access. Access requires two things to occur. One is the existence of a resource. Whether a plant, an animal, a place, or site, the resource must exist in order for a practitioner to access it. The second thing is physical access. This includes, but is not limited to, the ability to physically access a plant, animal, site, or location associated with a particular practice. This can also include the traditional and customary route or path taken to access the resource, as well as the cultural protocols that existed in accessing a resource. These are often temporal, in that access protocols can be at a certain time of day or year. Makahiki would be a good example of a traditional custom that has specific cultural protocols associated with access. In the case of Makahiki, the custom takes place at a certain time of year.

Therefore, the first test under *Ka Pa'akai* should include not only a listing of resources, but the identification of ways in which those resources are accessed and utilized in association with traditional and customary practices.

As noted in the report and in the ethnographic section, access to the area has been limited by the presence of houseless people, who discourage practitioners from accessing the area due to safety issues.

Therefore, the second test – "The extent to which those resources—including traditional and customary Native Hawaiian rights—will be affected or impaired by the proposed action" – also looks at two separate elements. The first, does the proposed action and its alternatives have an adverse impact on the existence of resources? This would include the alteration, destruction, modification, or harm of sites, including biological resources, sacred places, burial sites, etc. It also includes a loss of species. Any adverse impact or harm to resources is alone an affect or impairment caused by the proposed action.

Under this element, adverse impacts to historic sites or culturally utilized plants would all be identified adverse impacts. Under this same element, any indirect or cumulative effects would create an adverse impact under *Ka Pa'akai* if those actions harmed resources.

It is not anticipated that these impacts would occur on this project. Nonetheless, the project should make every effort to increase the number of native and canoe plants on the property, if feasible.

In addition, any action that impacts traditional and customary access to resources, even if there is no direct adverse impact on the resource itself, would result in an effect or impairment resulting from the proposed action. Therefore, the limitations on access that could result from the development or use of the project area could create an adverse impact under *Ka Pa'akai.*

It is not anticipated any impacts on cultural access would result from this project. Yet, it should be noted that failure to manage the houseless in the area discourages use and potentially impacts resources that may be useful to practitioners.

The third part of the *Ka Pa'akai* framework aims to identify "[t]he feasible action, if any, to be taken to reasonably protect Native Hawaiian rights if they are found to exist." Determining whether or not action has been suitably "feasible" is a matter for the State. These feasible actions could include continued access to the project as needed to conduct cultural practices and potentially taking actions to improve safety in the area, allowing for safe access for the community and practitioners.

Implementing BMPs during project construction can avoid potential adverse effects, so the third part of the *Ka Pa'akai* framework becomes moot.

(This area intentionally left blank.)

7.0 Conclusion and Public Trust Analysis

In Hawaiian culture, natural and cultural resources are largely viewed as being one and the same. Without the resources provided by nature, cultural resources could not and would not be procured. From a Hawaiian perspective, all natural and cultural resources are interrelated and culturally significant. This kinship between Hawaiians and their land extends back across many generations, and it was the depth and intimacy of this relationship that enabled Hawaiians to thrive sustainably in the islands for hundreds of years prior to the arrival of Europeans. Therefore, Hawaiians are entitled to the pain and anguish they feel at the loss of their lands and resources.

This loss lies at the heart of Hawaiian struggles for traditional or customary access. Therefore, the state's obligation to ensure that these rights are protected is more than a legal obligation, as such rights are a necessity of indigenous human life. Recognition and respect for these rights also enable a more mutually respectful and beneficial relationship between the military and Hawaiians.

Act 50 was passed by the state recognizing:

> … the past failure to require native Hawaiian cultural impact assessments has resulted in the loss and destruction of many important cultural resources and has interfered with the exercise of native Hawaiian culture. The legislature further finds that due consideration of the effects of human activities on native Hawaiian culture and the exercise thereof is necessary to ensure the continued existence, development, and exercise of native Hawaiian culture. (Act 50, SLH 2000)

The CIA is a creation of state law and a requirement under HRS Chapter 343. The legislative intent mentioned above is crucial for properly considering the effects the proposed action has and will have on cultural practices, because it emphasizes the importance of ensuring “the continued existence, development, and exercise” of culture. This acknowledges that culture is not fixed; it is dynamic and evolves over time. Act 50 specifically requires consideration of how a proposed action might impact the ongoing “development” of native Hawaiian culture. This means it is not enough to simply review historical practices. Considering effects on the ongoing development of culture means the state, particularly the responsible state agency acting as the authority under Chapter 343 EIS, of which this CIA is a part, must think about how an action could influence a culture’s ability to grow, innovate, and evolve.

The development of a DOCARE field office will enable more enforcement of environmental regulations in the area. This will result in a net benefit to conservation and protection of natural and cultural resources in the region.

The Wahiawā region is rich with both pre-contact and post-contact histories. While the project is unlikely to have any adverse impact on pre-contact historic properties or Hawaiian cultural practices, the project has an opportunity to enrich the area through interpretive botanical, cultural, and historical programs. This study looked comprehensively at all historical records for the region and did not identify any current cultural practices or customs that the project activity would potentially impact. The oral histories from the area supported this conclusion. Nonetheless, valuable cultural information was provided by area residents and practitioners that can be respectfully utilized to enrich the interpretive, landscaping, and educational elements of the project design.

The State and its agencies have an affirmative obligation to preserve and protect the reasonable exercise of Hawaiians' customarily and traditionally exercised rights to the extent feasible. Part of how this is implemented is through the completion of thorough and appropriately focused CIAs, which can effectively research and identify these practices to protect them appropriately. *Ka Paʻakai* calls for a good faith effort on the part of the state to identify cultural resources, including traditional and customary practices, in the area. This CIA conducted an exhaustive and good-faith effort to identify such resources and practices. While there are undoubtedly such resources and practices within the more considerable geographic extent of the kalana of Wahiawā, there are none in the immediate project area or within the area that the proposed project will impact. Therefore, per Act 50 and under the *Ka Paʻakai* analysis, potential effects on cultural resources or practices are negligible due to the absence of ongoing traditional and customary practices in the immediate project area.

The proposed Division of Conservation and Resources Enforcement (DOCARE) Wahiawā Substation represents a modest but significant state action that must be examined through the lens of Hawaiʻi's constitutional public trust doctrine. Though the project parcel itself is small, already developed, and unlikely to contain intact pre-contact cultural features, the placement of a state facility within the broader cultural landscape of Wahiawā requires careful attention to the fiduciary duties that the State owes to the people of Hawaiʻi. The public trust doctrine, embedded in Articles XI and XII of the Hawaiʻi Constitution, obligates the State and its agencies to conserve, protect, and maintain natural resources for the benefit of present and future generations. It also charges the State with holding ceded crown and government lands in trust, to be managed for Native Hawaiians and other enumerated trust purposes. This doctrine has been shaped by decades of case law, beginning with *Waiahole I* and *Ka Paʻakai*, which articulated duties of "the highest responsibility and care" and established analytical frameworks to ensure protection of Native Hawaiian customary practices. Most recently, the Intermediate Court of Appeals in *Frankel v. BLNR* (2025) clarified and reinforced these obligations, emphasizing that public trust principles apply even to urban parcels, and that state agencies must begin their analysis with a presumption in favor of public use, must consider practicable alternatives, and must articulate their reasoning with clarity sufficient for

public review. The application of these holdings to the Wahiawā DOCARE project illuminates both the limits and the opportunities presented by this proposal.

The Wahiawā parcel (TMK: (1) 7-4-001:025) is located in the kalana of Wahiawā, a region of cultural and historical significance that includes the wahi pana of Kūkaniloko, one of the most sacred birthing sites in Hawai‘i. While the parcel itself is fully paved and developed with two existing one-story commercial buildings, its geographic context cannot be separated from a larger landscape woven with streams, gulches, place names, and oral histories that reflect long-standing Native Hawaiian relationships with the land. The CIA prepared for this project documents in detail the history of the area, reviewing Hawaiian language newspapers, land commission awards, maps, and ethnographic interviews. This research concluded that no traditional or customary practices are currently exercised on the parcel, and that the project is unlikely to have any adverse impact on historic properties or cultural resources. Oral histories supported this finding, and the report further noted that the proposed substation could yield secondary benefits to cultural practices by enhancing enforcement of conservation laws in the surrounding area. In this respect, the CIA satisfies the preliminary step demanded by *Frankel*: identifying cultural resources and determining whether public trust resources will be impaired. Because none were identified on the parcel itself, the project appears to pose no immediate threat. Yet, consistent with *Frankel*, the analysis cannot end there.

The decision in *Frankel v. BLNR* arose from the Board of Land and Natural Resources' approval of a resort's encroachment on a ceded beach parcel in Kahala. The court held that the Board failed in its fiduciary duties by not beginning with a presumption in favor of public use, by neglecting to consider alternatives to the resort's exclusive occupancy, and by failing to articulate its reasoning in a manner that made clear to the public that trust principles had been applied. The court was explicit: when agencies make decisions regarding trust lands or resources, they must demonstrate in the record that they started from the baseline that public access and use are paramount, and any compromise of that interest must be justified by a clear, reasoned, and transparent analysis. The significance of this holding for the Wahiawā project is that, even where no direct customary practices are found on the parcel, the State must still document that it considered the presumption of public use and weighed alternatives before proceeding.

The CIA already provides a strong foundation for meeting this obligation. It explicitly states that no practices will be impaired, thereby affirming that the presumption in favor of public use has not been compromised. Nevertheless, the record should also show that alternative courses of action were evaluated. Alternatives in this context might include continuing DOCARE operations from the Pearl City station, siting a substation elsewhere in Wahiawā, or utilizing shared facilities with other agencies. Each alternative has limitations: continuing operations from Pearl City leaves Wahiawā and the North Shore underserved; selecting a different site could disturb undeveloped or culturally sensitive lands; and sharing facilities

might compromise enforcement capacity. Against these, the chosen parcel offers the advantage of being already urbanized, previously commercial, and thus carrying minimal risk of cultural disruption. By documenting that such alternatives were considered and by clearly stating why the selected parcel is the least harmful option, the agency would meet the second requirement articulated in *Frankel*.

The third and most critical requirement is clarity of reasoning. In *Frankel*, the court criticized BLNR for issuing permits with only vague justification, thereby depriving the public of any assurance that trust principles were applied. By contrast, the Wahiawā CIA is notable for its transparency: it lays out its methodology, documents its sources, summarizes consultations, and states its conclusions directly. What remains is for decision makers at DLNR and DOCARE to adopt these findings explicitly in their final approval documents. They should state clearly that they began with a presumption favoring public use, that they considered practicable alternatives, and that they found no impairment of trust resources. In doing so, they would not only comply with *Frankel* but also reinforce public confidence in the State's stewardship.

The fiduciary nature of the State's obligations demands this careful approach. As trustee, the State owes duties of loyalty, care, and transparency to the beneficiaries of the trust—the people of Hawai'i, with a particular emphasis on Native Hawaiians. The duty of loyalty requires that the State manage lands and resources in the beneficiaries' best interest, not for narrow or private gain. In this case, establishing a DOCARE substation serves the broader public by enhancing enforcement of conservation laws. The duty of care obligates the State to gather and consider the best information available. The CIA's extensive use of Hawaiian language sources, oral histories, and ethnographic consultation demonstrates that this duty has been met. Finally, the duty of transparency requires that decisions be articulated clearly, with reasoning accessible to the public. This is the area where the *Frankel* decision sounded the loudest warning, and it is the area where the Wahiawā project must take particular care. Only by publishing explicit findings can the State show that it has lived up to its fiduciary role.

It is also important to recognize that the public trust doctrine encompasses not only tangible resources such as land and water but also intangible cultural heritage. The CIA rightly emphasizes that Hawaiian culture views natural and cultural resources as inextricable. Knowledge, access, and resources together constitute the foundation of customary practice. While the parcel itself is unlikely to provide any of these directly, the broader landscape of Wahiawā, with its wahi pana and streams, is suffused with cultural meaning. By enhancing DOCARE's enforcement capacity in Central O'ahu, the project may indirectly protect these broader resources by deterring illegal dumping, poaching, or development. In this sense, the project does not merely avoid harming the trust but may actively fulfill it. Such an outcome is precisely what the doctrine demands: not a minimalist avoidance of harm, but a proactive stewardship that ensures resources are preserved for future generations.

Taken together, the Wahiawā CIA and the guidance of *Frankel v. BLNR* show how the public trust doctrine can be faithfully applied even in urbanized contexts. The parcel is not pristine; it does not host an ongoing customary practice. Yet the doctrine still applies, and the State still must meet its fiduciary obligations. By documenting that the presumption of public use was respected, by considering alternatives, and by articulating findings with clarity, the State can demonstrate compliance. More than that, by situating the substation as an instrument for fulfilling the trust through enhanced enforcement, the State can show that it is not only avoiding harm but actively advancing the purposes of the trust.

In conclusion, the proposed Wahiawā DOCARE Substation is a project that embodies the complexities of Hawai‘i’s public trust doctrine in the twenty-first century. It illustrates how trust principles extend beyond remote valleys and undeveloped beaches into towns and urban parcels, requiring vigilance even where risks appear minimal. It demonstrates that the fiduciary duties of loyalty, care, and transparency apply to all state actions affecting trust lands, regardless of their scale. It also provides an opportunity for the State to model best practices by integrating the insights from *Frankel v. BLNR* into its administrative record. If the State explicitly adopts the CIA’s findings, acknowledges its fiduciary obligations, and proceeds with clarity, then the Wahiawā project can move forward not only in compliance with the law but also as a testament to the State’s commitment to the public trust. In this way, a small urban parcel can become a meaningful site for reaffirming the covenant between the people of Hawai‘i and their government: that natural and cultural resources are to be safeguarded, respected, and passed on, undiminished, to future generations.

(This area intentionally left blank.)

8.0 References

Adamski, M. (2005, March 10). Hindus honor stones as image of Shiva. *Honolulu Star-Bulletin,* p. D6.

Akana, C.L., & Gonzalez, K. (2015). *Hānau ka ua: Hawaiian rain names*. Kamehameha Publishing.

Andrews, L. (1865). *A dictionary of the Hawaiian language.* Henry M. Whitney.

Apuakehau, J.K. (1923, September 13). He paina la hanau. *Ka Nupepa Kuokoa*, p. 8.

Bailey, C.T. (1920, November 19). Hoolaha kuai o ka hoolimalima aupuni. *Ka Nupepa Kuokoa,* p. 8.

Beckwith, M. (1970). *Hawaiian mythology*. University of Hawaii Press.

Bishop, S. (1916). *Reminiscence of oOld Hawaii.* Hawaiian Gazette.

Bouchenaki, M. (2003). The interdependency of the tangible and intangible cultural heritage. *Proceedings of the 14th ICOMOS General Assembly and International Symposium: 'Place, memory, meaning: preserving intangible values in monuments and sites'*, 27-31 Oct 2003, Victoria Falls, Zimbabwe.

Brown, M.A. (2022). *Ka poʻe moʻo akua: Hawaiian reptilian water deities.* University of Hawaiʻi Press (forthcoming).

Clark, J.R.K. (2002). *Hawaiʻi place names: Shores, beaches, and surf sites*. University of Hawaii Press.

Coulter, J.W. (1935). *A gazetteer of the territory of Hawaii.* University of Hawaiʻi Research Publication 11.

Cuddihy, L.W., & Stone, C.P. (1990). *Alteration of native Hawaiian vegetation: Effects of humans, their Activities, and introductions.* Cooperative National Park Resource Studies Unit, University of Hawaiʻi at Mānoa.

Dole, J. (1939, January 31). Dole tells start of pineapples. *Honolulu* Advertiser, p. 17.

Ehuehu halemano i ka ua lu-lehua. (1893, August 14). *Ka Leo o ka Lahui,* p. 2.

Foote D.E., Hill E.L., Nakamura S., & Stephens F.E. (1972). *Soil survey of the islands of Kauai, Oahu, Maui, Molokai, and Lanai, state of Hawaii*. U.S. Govt. Printing Office.

Giambelluca, T., Chen, Q., Frazier, A.G., Price, J.P., Chen, Y.-L., Chu, P.-S., Eischeid, J.K., & Delparte, D.M. (2013). Online rainfall atlas of Hawai'i. *Bulletin of the American Meterological Society, 94*(3), 313-316.

Handy, E.S.C. (1940). *The Hawaiian planter: Volume I: His plants, methods, and areas of cultivation.* Bishop Museum Press.

Handy, E.S.C., Handy, E.G., & Pukui, M.K. (1972). *Native planters in old Hawaii: Their life, lore & environment.* Bishop Museum Press.

Harper, J. (1972). Pineapple, A major industry in the area 50 years ago. *Ka Lama, 3*(2): 3,8.

He kanikau no ka Moi Iolani Kamehameha IV, ka Moi i aloha nui loa. (1864, April 30). *Ka Nupepa Kuokoa*, p. 4.

He inoa no Kauikeauoli. (1862, May 1). *Ka Hoku o Pakipika*, p. 4.

Hooulumāhiehie (1906, January 22). Ka moolelo o Hiiakaikapoliopele. *Ka Nai Aupuni*.

Huapala. (n.d.). Kalena Kai. Huapala Hawaiian Hula Archives. Retrieved May 24, 2021 from: https://www.huapala.org/KAL/Kalena_Kai.html.

Jarves, J.J. (1844). *History of the Hawaiian or Sandwich Islands*. Edward Moxon.

Kakuhihewa. (n.d.). Hualapa Hawaiian Hula Archives. Retrieved May 24, 2021 from: https://www.huapala.org/Chants/Kakuhihewa.html.

Ka lau hanau o Meia Fern. (1911). *Kuokoa Home Rula*, p. 1.

Kalua, S. (1875, November 13). No Waialua, Oahu. *Ka Nupepa Kuokoa*, p. 1.

Kamakau, S.M. (1865a, July 22). Ka moolelo o Hawaii nei. *Ka Nupepa Kuokoa,* p. 1.

Kamakau, S.M. (1865b, August 5). Ka moolelo o Hawaii nei. *Ka Nupepa Kuokoa,* p. 1.

Kamakau, S.M. (1865c, October 7). Na mea kaulana o ka wa kahiko i hala aku. *Ka Nupepa Kuokoa,* p. 1.

Kamakau, S.M. (1867, January 5). Ka moolelo o Kamehameha I. *Ka Nupepa Kuokoa*.

Kamakau, S.M. (1968). *Ka poʻe kahiko: The people of old* (M.K. Pukui, Trans.). Bishop Museum Press. (Original work published 1866-1871)

Kamakau, S.M. (1991). *Tales and traditions of the people of old: Na moʻolelo a ka poʻe kahiko* (D.B. Barriere, Ed., M.K. Pukui, Trans.). Bishop Museum Press. (Original work published 1866-1871)

Kamakau, S.M. (1992). *Ruling chiefs of Hawaii* (Revised ed). Kamehameha Schools Press. (Original work published 1866-1871)

Ka moolelo kaao no Kaumailiula, ka pua o Kanaka Maikai, ka ui e kuko ai ka naau o ke kai maokioki o Kona. (1892, April 16). *Ka Nupepa Elele,* p. 4.

Kaniau. (1864, March 19). He uhane kanikau no Iolani. *Ka Nupepa Kuokoa*, p. 1.

Kapoli. (1867, March 18). He inoa no Kalaninui, Lani Mehameha, Lota, Kapuaiwa, Aliiolani, Kukailimoku, Kamehameha V. *Ke Au Okoa*, p. 1.

Keakaokalani, Bright, J.M. (1888). *Ka buke o na leo mele Hawaii.* Hale Pai Mahu P.C. Advertiser.

Kemoo Land Company formed. (1907, May 24). *Hawaiian Star,* p. 4.

Keohokalole, L. (1871, October 21). He kanikau no M. Holi. *Ka Nupepa Kuokoa*, p. 3.

Konaaihele. (1862, April 19). He kanikau. *Ka Nupepa Kuokoa,* p. 4.

Krauss, B.H. (1993). *Plants in Hawaiian culture.* University of Hawaii Press.

Kuai o na aina me na hoolimalima aupuni ma na mokupuni o Oahu, Maui, a me Hawaii. (1887, April 16). *Ka Nupepa Elele,* p. 3.

Lenzerini, F. (2011). Intangible cultural heritage: The living culture of peoples. *European Journal of International Law*, *22*(1), 101-120.

Liilii, J.B. (1873, November 15). Mea make i aloha nuiia. *Ka Nupepa Kuokoa*, p. 1.

Liliuokalani. (1898, November 18). *Ka Nupepa Kuokoa*, p. 3.

Lulea, N.H. (1878, November 16). Make i aloha nui ia. *Ko Hawaii Pae Aina,* p. 4.

Lyons, C.J. (1903). *A history of the Hawaiian government survey with notes on land matters in Hawaii.* Hawaiian Gazette.

Malo, D. (1987). *Ka moʻolelo Hawaiʻi: Hawaiian antiquities* (M.N. Chun, Trans.). Kapiʻolani Community College.

Maly, K. (2001). *Mālama pono i ka ʻāina: An overview of the Hawaiian cultural landscape*. Kumu Pono Associates.

Manu, M. (1885, April 25). He moolelo kaao no Keaomelemele, ka pua nani iuiu o Kealohilani. *Ka Nupepa Kuokoa,* p. 1.

McAllister, J.G. (1933). *Archaeology of Oahu.* Bishop Museum Press.

Na wahi pana o Ewa (M.K. Pukui, Trans.). (1899, October 28). *Ka Loea Kalaiaina*.

Nakuina, E.K. (1897). Legend of Oahunui. *Hawaiian Almanac and Annual for 1897.* Thomas G. Thrum.

Nakuina, M. (1901). Moolelo Hawaii o Pakaa a me Ku-a-Pakaa na Kahu Iwikuamoo o Keawenuiaumi Ke Alii o Hawaii, a o na Moopuna hoi a Laamaomao! (K. Maly, Trans.) *Ke Aloha Aina.*

Nedbalek, L. (1984). *Wahiawa: From dream to community.* Wonder View Press.

Nogelmeier, M.P. (2010). *Mai aʻa i ka leo: Historical voice in Hawaiian primary materials, looking forward and listening back.* Bishop Museum Press.

Nu hou kuloko. (1876, February 19). *Ka Nupepa Kuokoa,* p. 2.

Nuhou kuloko. (1907, February 15). *Ka Naʻi Aupuni*, p. 3.

Oahu railway Wahiawa boon. (1939, January 31). *Honolulu Advertiser*, p. 15.

ʻŌkuʻu, J.W. (1878, September 14). Kumakena Walohia. *Ka Nupepa Kuokoa*, p. 4.

Pukui, M.K. (1983). *ʻŌlelo noʻeau: Hawaiian proverbs & poetical saying*s. Bishop Museum Press.

Pukui M.K., Elbert S.H., & Mookini E.T. (1974). *Place names of Hawaii* (Revised and expanded ed.). University of Hawaii Press.

Pukui, M.K., & Elbert, S.H. (1986). *Hawaiian dictionary* (Revised and enlarged ed.). University of Hawaii Press.

Roth, W.M. (2019). Ethnoscience (P. Atkinson, S. Delamont, A. Cernat, J.W. Sakshaug, & R.A. Williams, Eds.). *SAGE Research Methods Foundations.* https://doi.org/10.4135/9781526421036744802

Sacred stones at Wahiawa drew big crowds in 1927. (1939, January 31). *Honolulu Advertiser,* p. 10.

State of Hawai‘i. Ms. Files cited in text from the collections of the:
Hawai‘i State Archives
Department of Land and Natural Resources—Land Division
Department of Land and Natural Resources State Survey Division

Soehren, L. (2008). *A catalog of O‘ahu place names*. Honoka‘a: Lloyd J. Soehren.

Some cannibals on Oahu in olden times. (1861, September 25). *Ka Hae Hawaii*.

Sterling, E.P, & Ladd, D. (2008). *Index to sites of Oahu, the 1978 edition.* Bishop Museum Press.

Sterling, E.P., & Summers, C.C. (1978). *Sites of Oahu*. Bishop Museum Press.

Territorial Planning Board. (1939). *An historic inventory of the physical, social, and economic and industrial resources of the territory of Hawaii.* Advertiser Publishing.

The romance of the Hawaiian pineapple. (1911, January). *Mid-Pacific Magazine, 1*(1), p. 139.

Tsai, M. (2010, June 19). Storied stone taken away. *Star Advertiser,* pp. B1, B4.

Van Dyke, J.M. (2008). *Who owns the crown lands of Hawai‘i?* University of Hawai‘i Press.

Wahiawa Historical Society. (n.d.) Wahiawa Historical Trail Map. Available at: https://www.arcgis.com/apps/MapJournal/index.html?appid=ed7ba0d4700d468b89b8c0ea2127bcb9&section=35

Westervelt, W.D. (1915a). *Hawaiian legends of ghosts and ghost-gods.* Ellis Press.

Westervelt, W.D. (1915b). *Hawaiian legends of old Honolulu*. Ellis Press.

Wilcox, C., Hussey, K., Hollinger, V., & Nogelmeier, P. (2001). *He mele aloha: A Hawaiian songbook*. ʻOli ʻOli Productions.

Woodbury, D. (1946). *Builders for battle: How the Pacific naval air bases were constructed.* E.P. Dutton.

Woodward, H.U. (1904, July 15). He kanikau aloha no Daniel Manuhoa Woodward i hala. *Ka Nupepa Kuokoa*, p. 6.

Young, P.T. (2017). Kemoʻo Farm. *Images of Old Hawaiʻi.* http://imagesofoldhawaii.com/kemoo-farm/

Reference Maps

1876 Central Oahu. Registered Map No. 399. W.D. Alexander.
1899 Wahiawa, Wailua, Oahu. Registered Map No. 1941. M.D. Monsarrat.
1928 U.S. Army Aerial Photograph. Accessed via https://guides.library.manoa.hawaii.edu/aerials/digital.
1944 U.S. Army Schofield Barracks Quadrangle. Accessed via https://guides.library.manoa.hawaii.edu/maps/hawaiiquadindexes.
1962 U.S. Geological Survey Orthophoto, Schofield Barracks Quadrangle. Accessed via https://guides.library.manoa.hawaii.edu/maps/hawaiiquadindexes.
2013 USGS Topographic Map

(This area intentionally left blank.)

Appendix I: Glossary of Hawaiian Terms

The following list of terms were used throughout this report. All definitions were compiled using Pukui and Elbert's *Hawaiian Dictionary* (1986).

Ahupua‘a	Land division usually extending from the uplands to the sea, so called because the boundary was marked by a heap (ahu) of stones surmounted by an image of a pig (pua‘a), or because a pig or other tribute was laid on the altar as tax to the chief.
‘Āina	Land, earth. *Lit.* That which feeds.
‘Āina Aupuni	Government lands.
‘Āina Konohiki	Konohiki lands.
‘Āina Lei Ali‘i	Crown lands.
Akua	1. God, goddess, spirit, ghost. 2. Divine, supernatural, godly.
Ali‘i	1. Chief, chiefess, ruler, monarch. 2. Royal, regal. 3. To act as chief, reign. Ali‘i kāne: male chief. Ali‘i wahine: chiefess. Ali‘i nui: high chief.
Aloha ‘Āina	Love of the land or of one's country, patriotism; a very old concept, to judge from the many sayings (perhaps thousands) illustrating deep love of the land.
‘Aumakua	Family or personal gods, deified ancestors who might assume the shape of sharks, owls, hawks, dogs, plants, etc. A symbiotic relationship existed; mortals did not harm or eat them, and the ‘aumakua warned or reprimanded mortals in dreams, visions, and calls.
‘Aumākua	Plural of ‘aumakua.
Ha‘i Mo‘olelo	Storytelling performances.
Hālau	1. Long house, as for canoes or hula instruction; meeting house. 2. Large, numerous; much.
Hale	House, building, institution, lodge, station, hall; to have a house.
Haole	White person, American, Englishman, Caucasian; American, English; formerly, any foreigner; foreign, introduced, of foreign origin, as plants, pigs, chickens.
Heiau	Pre-Christian place of worship, shrine.
Huaka‘i ali‘i	Royal entourage.
Hula	A Polynesian dance form accompanied by chant or song. Hula ‘auana: modern dance. Hula kahiko: ancient hula. Hula ‘āla‘apapa: type of ancient dramatic hula.
‘Ili	Land section, next in importance to ahupua‘a and usually a subdivision of an ahupua‘a.
‘Ili kūpono	A nearly independent ‘ili land division within an ahupua‘a, paying tribute to the ruling chief and not to the chief of the ahupua‘a. Transfer of the

	ahupuaʻa from one chief to another did not include the ʻili kūpono located within its boundaries. Sometimes shorted to ʻili kū.
Inoa ʻāina	Place names.
Iwi	Bone; carcass (as of a chicken); core (as of a speech). The bones of the dead, considered the most cherished possession, were hidden, and hence there are many figurative expressions with iwi meaning life, old age.
Kahu	Honored attendant, guardian, nurse, keeper of ʻunihipili bones, regent, keeper, administrator, warden, caretaker, master, mistress; pastor, minister, reverend, or preacher of a church
Kalana	Division of land smaller than a moku or district; county.
Kamaʻāina	Native-born, one born in a place, host; native plant; acquainted, familiar, *Lit.*, land child.
Kānaka ʻŌiwi	Term for the indigenous people of Hawaiʻi. Native Hawaiians.
Kāne	Male, husband, male sweetheart, man; brother-in-law of a woman.
Kanikau	1. Dirge, lamentation, chant of mourning, lament. 2. To chant, wail, mourn.
Kaona	Hidden meaning, as in Hawaiian poetry; concealed reference, as to a person, thing, or place; words with double meanings that might bring good or bad fortune.
Kapa	Tapa, as made from wauke or māmaki bark; formerly clothes of any kind or bedclothes; quilt.
Kapu	1. Taboo, prohibition. 2. Special privilege or exemption from ordinary taboo. 3. Sacredness, prohibited, forbidden, sacred, holy, consecrated. 4. No trespassing, keep out.
Kī	Ti, a woody plant (*Cordyline fruticose*) in the lily family, native to tropical Asia and Australia. It consists of a branched or unbranched, slender, ringed stem, ending in a cluster of narrow-oblong, leaves 30 to 60 cm long, from among which at times rises a large panicle of small, light-colored flowers. The leaves were put to many uses by the Hawaiians, as for house thatch, food wrappers, hula skirts, sandals; the thick, sweet roots were baked for food or distilled for brandy.
Kilo hōkū	Astronomy.
Kula	Plain, field, open country, pasture.
Kuleana	Right, privilege, concern, responsibility, title, business, property, estate, portion, jurisdiction, authority, liability, interest, claim, ownership, tenure, affair, province.
Kumu	Teacher, tutor, manual, primer, model, pattern.
Kumu Hula	Hula teacher.
Kupua	Demigod or culture hero, especially a supernatural being possessing several forms.

Kupuna	Grandparent, ancestor, relative or close friend of the grandparent's generation, grandaunt, granduncle.
Kūpuna	Plural of kupuna.
Loko iʻa	Traditional Hawaiian fishpond.
Māhele ʻĀina	Land Division.
Makaʻāinana	Commoner, populace, people in general.
Makahiki	Ancient festival beginning about the middle of October and lasting about four months, with sports and religious festivities and taboo on war
Makai	On the seaside, toward the sea, in the direction of the sea.
Mālama	To take care of, tend, attend, care for, preserve, protect, beware, save, maintain.
Mauka	Inland, upland, towards the mountain.
Mele	1. Song, anthem, or chant of any kind. 2. Poem, poetry. 3. To sing, chant.
Mele inoa	Name chant.
Menehune	Legendary race of small people who worked at night, building fish ponds, roads, temples; if the work was not finished in one night, it remained unfinished.
Mōʻī	King, sovereign, monarch, majesty, ruler, queen.
Moku	1. District, island, islet, section, forest, grove, clump, fragment. 2. To be cut, severed, amputated, broken in two.
Moʻo	Lizard, reptile of any kind, dragon, serpent.
Moʻo ʻāina	Strip or fragment of land smaller than an ʻili.
Moʻolelo	Story, tale, myth, history, tradition, literature, legend, journal, log, yard, fable, essay, chronicle, record, article.
Moʻokūʻauhau	Genealogy.
Moʻowahine	Female lizard deity.
ʻOhana	Family, relative, kin group.
ʻŌlelo noʻeau	Proverb, wise saying, traditional saying.
Oli	Chant that was not danced to, especially with prolonged phrases chanted in one breath, often with a trill at the end of each phrase; to chant thus.
Pae ʻāina	Group of islands, archipelago.
Pua	Flower, blossom, tassel and stem of sugar cane; to bloom, blossom.
Pueo	Hawaiian short-eared owl (*Asio flammeus sandwichensis*), regarded often as a benevolent ʻaumakua.
Wahi pana	A legendary place; a place made special celebrated in stories associated with it. Often sacred.
Wahine	Woman, lady, wife; sister-in-law, female cousin-in-law of a man, female.
Wai	Water, liquid or liquor of any kind other than sea water.