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DEPARTMENT OF PLANNING AND PERMITTING
KA ʻOIHANA HOʻOLĀLĀ A ME NĀ PALAPALA ʻAE
CITY AND COUNTY OF HONOLULU

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October 15, 2026

2026-AH-1 (JM)

The Honorable Tommy Waters
Chair and Presiding Officer
and Members
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaiʻi 96813

Dear Chair Waters and Councilmembers:

SUBJECT:	Preliminary Plans and Project Specifications for Departmental Communication D-0633(26)
Project:	Kapolei Parkway Lots 2-5
Location:	91-683 Wakea Street – Honouliuli
Tax Map Key:	9-1-160: 064 (Portion)

We respectfully submit the attached Application, June 5, 2026, which the Department of Planning and Permitting reviewed as the Preliminary Plans and Project Specifications, pursuant to the Hawaiʻi Revised Statutes Chapter 201H. This communication and attachment is to assist you in your review of the Report and Recommendation received by the City Clerk on October 9, 2026, as Departmental Communication D-0633(26).

Should you have any questions, please contact me at (808) 768-8000.

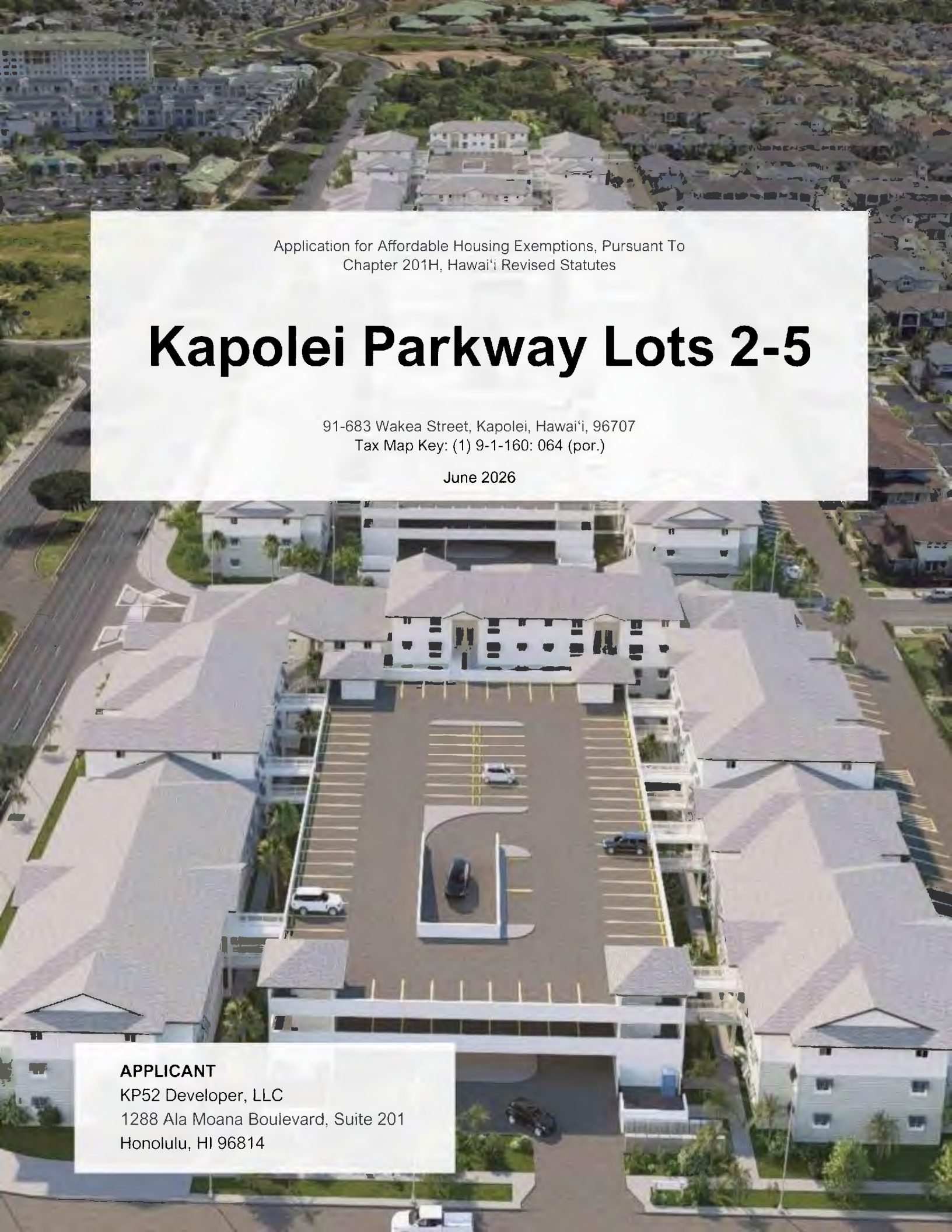
Very truly yours,

Dawn Takeuchi Apuna
Director

Enclosures: Preliminary Plans and Project Specifications

APPROVED BY:

Krishna F. Jayaram, Managing Director
Office of the Managing Director



Application for Affordable Housing Exemptions, Pursuant To
Chapter 201H, Hawai'i Revised Statutes

Kapolei Parkway Lots 2-5

91-683 Wakea Street, Kapolei, Hawai'i, 96707
Tax Map Key: (1) 9-1-160: 064 (por.)

June 2026

APPLICANT
KP52 Developer, LLC
1288 Ala Moana Boulevard, Suite 201
Honolulu, HI 96814

Application for Affordable Housing Exemptions, Pursuant to Chapter 201H, Hawai'i Revised Statutes

Kapolei Parkway Lots 2-5

91-683 Wakea Street, Kapolei, Hawai'i, 96707
Tax Map Key: (1) 9-1-160: 064 (por.)

June 2026

APPLICANT
KP52 Developer, LLC
1288 Ala Moana Boulevard, Suite 201
Honolulu, Hawai'i 96814

REVIEWING AGENCY
Department of Planning and Permitting
City and County of Honolulu
650 South King Street, 7th Floor
Honolulu, Hawai'i 96813

PREPARED BY
R. M. Towill Corporation
2024 North King Street, Suite 200
Honolulu, Hawai'i 96819
(808) 842-1133
Project No. 1-24660-00

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Acronyms and Abbreviations

Acronym	Meaning
ac	Acres
ADA	Americans with Disabilities Act
AH	Affordable Housing
AMI	Area Median Income
BA	Bath
BMP	Best Management Practices
BMX-3	Community Business Mixed Use (City Zoning)
BR	Bedroom
BWS	Board of Water Supply, City
City, CCH	City and County of Honolulu
DOE	State Department of Education
DOH	Department of Health, State
DP	Development Plan (of the City, DPP)
DPP	Department of Planning and Permitting, City
EA	Environmental Assessment
EIS	Environmental Impact Statement
ESCP	Erosion and Sediment Control Plan
FAR	Floor Area Ratio
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
GP	General Plan
HAR	Hawai'i Administrative Rules
HDOT	State Department of Transportation
HECO	Hawaiian Electric Company
HFD	Honolulu Fire Department
HRS	Hawai'i Revised Statutes
LOS	Level of Service
LUO	Land Use Ordinance
NB	Neighborhood Board
PER	Preliminary Engineering Report
PIM	Public Infrastructure Map
RMTC	R. M. Towill Corporation
ROH	Revised Ordinances of Honolulu
ROW	Right-of-Way
SF, sf	Square Feet
SLR	Sea Level Rise
SLR-XA	Sea Level Rise Exposure Area
SLUD	State Land Use District
TOD	Transit-Oriented Development
TIR	Traffic Impact Report
TMK	Tax Map Key
WQV	Water Quality Volume

Section 1. Introduction

The Applicant proposes to develop an affordable rental housing community on Kapolei Parkway Lots 2 through 5 ("Project") consisting of approximately 734 affordable rental units in a series of three- to four-story residential buildings. The Project is intended to provide a mix of one-, two-, three-, and four-bedroom units serving households earning at or below applicable area median income (AMI) thresholds.

The development is planned across approximately 15.2 acres located between Wakea Street and Kamokila Boulevard, identified as a portion of Tax Map Key (1) 9-1-160:064 (por.), within the BMX-3 zoning district. The Project site is currently vacant, graded land within the Kapolei Parkway corridor.

The project design incorporates residential buildings arranged along the perimeter of each lot, with structured parking located internally. The Project will include multi-level parking structures providing approximately 998 vehicle parking stalls, along with bicycle parking, loading areas, and supporting building services.

Ground floor areas will accommodate a combination of residential units, including ADA-accessible units, as well as shared operational spaces such as laundry facilities and utility rooms. A flexible ground floor space is also incorporated within the Project and may accommodate a range of potential uses, including a possible preschool, subject to future funding and operational considerations. Six to Eight on-site manager units will be included as part of the overall unit count to support property management and day-to-day operations.

The Project is located along Kapolei Parkway, within a planned transit corridor and in proximity to existing and future transit service. Its location supports transit-oriented development objectives by providing housing near jobs, services, and multi-modal transportation options, including bus, bicycle, and pedestrian facilities. While vehicle parking is not required under the LUO for this location, the Project provides parking to meet anticipated resident demand and support long-term occupancy.

The Applicant proposes to develop the Project pursuant to Chapter 201H, Hawai'i Revised Statutes, to facilitate the timely delivery of affordable housing through targeted exemptions and design flexibility, as described in this application. The Project will increase the supply of affordable rental housing in a transit-accessible location within the Kapolei area, consistent with the City and County of Honolulu's housing objectives. The requested exemptions are limited and necessary to enable an efficient site layout and maintain project feasibility while maximizing the number of affordable units delivered.



Figure 1. Location Map

Section 2. General Information

The following members are part of the project development team.

Table 1. Development Team

Applicant	KP52 Developer, LLC 1288 Ala Moana Boulevard, Suite 201 Honolulu, Hawai'i 96814
Landowner[1]:	Tax Map Key: (1) 9-1-160: 064 Department of Housing and Land Management City and County of Honolulu 650 South King Street, 3rd Honolulu, Hawai'i 96813
Reviewing Agency:	Department of Planning and Permitting City and County of Honolulu 650 South King Street, 7th Floor Honolulu, Hawai'i 96813
Agent:	R. M. Towill Corporation 2024 North King Street, Suite 200 Honolulu, Hawai'i 96819-3494
Architects:	Design Partners Incorporated 1580 Makaloa Street, Suite 1100 Honolulu, Hawai'i 96814
Civil Engineer:	R. M. Towill Corporation 2024 North King Street, Suite 200 Honolulu, Hawai'i 96819-3494
Traffic Engineer:	Wilson Okamoto Corporation 1907 South Beretania Street, Suite 400 Honolulu, Hawai'i 96826
Archaeological Consultant:	Cultural Surveys Hawai'i, Inc. P.O. Box 1114 Kailua, Hawai'i 96734
Ecological Consultant	AECOS, Inc. 45-939 Kamehameha Highway, Suite 104 Kaneohe, Hawai'i 96744

[1]The City is entering a public-private partnership with the Applicant to redevelop the City-owned land.

The following table includes a summary of the general project site information for Kapolei Parkway Lots 2-5 project.

Table 2. Site Information

Location:	91-683 Wakea Street Kapolei, Hawai'i, 96707
Tax Map Key:	(1) 9-1-160: 064 (por.)
Project Area:	15.192 acres (Lot 2: 2.95 ac, Lot 3: 3.58 ac, Lot 4: 4.64 ac, Lot 5: 2.70 ac)
State Land Use Classification:	Urban (**Figure 4**)
City and County Zoning:	BMX-3 (**Figure 8**)
Development Plan:	'Ewa Development Plan
Development Plan Land Use Map:	City of Kapolei (Urban Area) (**Figure 5**)
Public Infrastructure Map:	Near proposed transit station to the west of project site off Kapolei Parkway (a collector and arterial roadway); and a proposed rapid transit corridor and transit station to the east along Kapolei Parkway. (**Figure 6 and Figure 7**)
Special District:	Not in Special District
Special Management Area:	Not within the Special Management Area
Flood Zone	Zone D (**Figure 3**)
Tsunami Evacuation Zone	Safe Zone
Sea Level Rise	Not within the 3.2 feet PacIOOS SLR-XA or the 6 feet NOAA sea level rise viewer
Existing Use:	Vacant, graded, undeveloped land
Surrounding Uses:	Single-family and Multi-family residential, commercial, educational facilities
Environmental Assessment Determination:	Exempt under Hawai'i Administrative Rules Section 11-200.1 (**Appendix 1 and 2B**)

The following table includes summary of the proposed project.

Table 3. Proposed Project Summary

Project Name:	Kapolei Parkway Lots 2 to 5
Proposed Units[2]:	734 affordable for-rent units
Residential Unit Mix[3]:	Affordable for-rent at 30% AMI: 36 units 1-bedroom: 14 2-bedroom: 14 3-bedroom: 5 4-bedroom: 3 Affordable for-rent at 60% AMI: 698 units 1-bedroom: 273 2-bedroom: 271 3-bedroom: 92 4-bedroom: 62
Floor Area (sf):	Total: 766,710 Lot 2: 169,760 Lot 3: 196,260 Lot 4: 231,265 Lot 5: 169,425
Density (FAR):	Total: 1.22 Lot 2: 1.27 Lot 3: 1.21 Lot 4: 1.15 Lot 5: 1.28
Maximum Building Height:	46 feet
Bicycle Parking[4]:	385 long-term stalls 56 short-term stalls
Vehicle Parking:	998 stalls
Vehicle Loading:	8 stalls

[2]The unit count is approximate and may be refined as the design progresses to respond to market demand. The total unit count includes six to eight manager units, which will be designated as the project is finalized.

[3]The project will utilize an AMI averaging approach, maintaining an overall average affordability of 60% AMI or below, with a limited number of units up to 80% AMI.

[4] The Applicant is requesting an exemption to the LUO bicycle parking requirements.

Section 3. Background

3.1. Project Site and Surrounding Uses

The project site is located in Kapolei, on the south side of Kapolei Parkway, within a portion of Tax Map Key (1) 9-1-160:064. The project area consists of four adjacent rectangular lots bounded by Wakea Street to the east, Kealakapu Street to the west, and Village Walk to the south. The site encompasses a total of approximately 15.2 acres (Lot 2: 2.95 acres, Lot 3: 3.58 acres, Lot 4: 4.64 acres, and Lot 5: 2.70 acres).

The site is currently vacant, graded, and unimproved. The existing site is shown in **Figure 2**. Surrounding uses include a mix of residential neighborhoods, commercial uses, and public facilities. Kapolei Parkway serves as a primary east-west corridor providing access to nearby civic, educational, and commercial destinations, while the surrounding street network connects the project area to adjacent residential communities, including Mehana, as well as parks, schools, and future transit facilities.



Figure 2. Existing Site - Aerial View

3.2. Land Ownership / Site Control

Tax Map Key: (1) 9-1-160:064 is owned by the City and County and managed by the Department of Housing and Land Management. The City is entering a ground lease with the Applicant to develop the City-owned land.

3.3. Environmental Determination

The Project is not subject to an assessment under Chapter 343, HRS, State Environmental Impact Statement Law. The Department of Housing and Land Management submitted an exemption from HRS, Chapter 343, "Environmental Impact Statement (EIS) Laws," review requirements for the subject Project under HAR, Chapter 11-200.1, "EIS Rules" to the Environmental Review Program on February 13, 2026. See **Appendix 1.**

Chapter 11-200.1-15, "General types of actions eligible for exemption," states the following:

> *"(c) The following general types of actions are eligible for exemption:*
>
> * * *
>
> *(10) New construction of affordable housing, where affordable housing is defined by the controlling law applicable for the state or county proposing agency or approving agency, that meets the following:*
>
> *(A) Has the use of state or county lands or funds or is within Waikiki as the sole triggers for compliance with chapter 343, HRS;*
>
> *(B) As proposed conforms with the existing state urban land use classification;*
>
> *(C) As proposed is consistent with the existing county zoning classification that allows housing; and*
>
> *(D) As proposed does not require variances for shoreline setbacks or siting in an environmentally sensitive area, as stated in section 11-200.1-13(b)(11)."*

The Project meets the standards for an exempt type of action as described below.

(A) The use of state financing, including Rental Housing Revolving Fund (RHRF), Hula Mae Multi-Family Program (HMMF) funds, and Low-income Housing Tax Credits (LIHTC), would be the sole trigger for the Project's compliance with HRS, Chapter 343.

(B) The Project Site is within the "Urban" State land use classification.

(C) The project site is zoned "BMX-3 Business Mixed Use" by the City. Multi-unit dwellings are a permitted use in the BMX-3 district. The proposed construction of affordable rental units is consistent with this designation.

(D) The Project would not require variances for shoreline setbacks nor is it sited in an environmentally sensitive area.

DPP concurred that the Project meets necessary criteria to be exempted from Chapter 343, HRS on February 10, 2026. See **Appendix 2B.**

3.4. Determination of Eligibility

The Applicant submitted a request for Determination of Eligibility under the City's 201H Housing Program Administrative Rules for the subject Project to DPP on January 27, 2026. See **Appendix 2A**.

DPP determined that the Project was eligible for processing pursuant to the City's 201H Housing Program Administrative Rules on February 10, 2026. See **Appendix 2B.**

3.5. Land Use Commission

A Land Use Commission application is not applicable for the Project. The Project Site is located within the Urban State Land Use District.

3.6. Other Permits/Approvals Required

Permits and clearances from the various State and City and County agencies may include, but are not limited to the following:

State of Hawai'i

- Department of Health (DOH)
    - National Pollution Discharge Elimination System (NPDES) for Authorizing Discharges Associated with Construction Stormwater
    - Community Noise Permit
    - Disability and Communication Access Board Plan Review

City and County of Honolulu

- Compliance with Revised Ordinances of Honolulu (ROH) Chapter 29, *Affordable Housing Requirements*;
- Compliance with ROH Section 22-7, *Parks and Playground* and CCH's *Park Dedication Rules and Regulations* (February 1997);
- Stormwater Quality Review and Erosion Control and Sediment Plan Review;
- Trenching Permits;
- Building Permits;
- Special Assignment Inspections;

- Storm Drain Connection Permit;
- Sewer Connection Application (SCA);
- Water Connection (Board of Water Supply [BWS]);
- Construction Plan Review and Approval;
- Sidewalk Variance;
- Street Usage Permits;
- Certificate of Occupancy; and
- Conditional Use Permit – Minor for Joint Development or Consolidation through Subdivision.

Section 4. Proposed Development

The Applicant proposes to develop three- to four-story affordable rental housing buildings consisting of approximately 734 affordable rental units across Lots 2 through 5. The project also includes manager offices, recreation areas, and supporting building services. See **Appendix 3** for the Conceptual Plans and Exhibits.

The development is planned across approximately 15.2 acres located between Wakea Street and Kamokila Boulevard, identified as a portion of Tax Map Key (1) 9-1-160:064 (por.), within the BMX-3 zoning district. The Project site is currently vacant, graded land within the Kapolei Parkway corridor.

The development is organized around a series of internal structured parking facilities, with residential buildings arranged along the perimeter of each lot. Parking is accommodated within these interior parking structures. Residential units are oriented along the building edges to maximize light, ventilation, and livability, while maintaining an active residential presence along street frontages.

Pedestrian connections between the residential buildings and parking structures are provided via elevated walkways and bridge connections, where feasible, to ensure safe and convenient access for residents.

Across all lots, the ground level accommodates a mix of residential units, including ADA-compliant units, along with parking access, loading areas, bicycle parking, laundry facilities, utility rooms, trash enclosure areas, and community spaces.

Upper levels of the perimeter buildings are dedicated to residential uses. This configuration supports efficient site utilization while maintaining a consistent residential character along the street frontages.

Overall, the proposed site plan reflects a coordinated and efficient design approach that integrates residential uses, circulation, and supporting infrastructure across all four lots while maintaining a consistent development character.

The program summary for each lot is provided in the tables below.

Table 4. Lot 2 Program

LOT 2 PROGRAM SUMMARY								
LEVEL	UNITS PER FLOOR	1 BEDROOM 1 BATH	2 BEDROOM 1 BATH	3 BEDROOM 2 BATH	4 BEDROOM 2 BATH	PARKING STALLS	TOTAL GSF	AMENITIES
BUILDING 2-1								
1		12	12	2			22,210	
2		12	12	2			22,210	
3		8	8	6	4		22,210	
4							6,685	
ROOF								
BUILDING 2-2								
1		8	4				11,435	Recreation Areas
2		8	6				11,435	
3		4	2	4	4		11,435	
4							6,685	
ROOF								
BUILDING 2-3								
1		7	9		1		14,980	Utility Room
2		8	10				14,655	
3		4	6	4	4		14,655	
4							6,685	
ROOF								
PARKING STRUCTURE								
1						68	3,335	Laundry Rooms, Parking Garage & Bike Stalls
2						72	570	Storage
3						72	575	Storage
OVERALL SITE						31		**Parking Areas, Bike Stalls, Mailbox Areas**
TOTAL UNIT MIX	**170**	**71**	**69**	**18**	**13**	**243**	**169,760**	**Trash Enclosure Areas**

Table 5. Lot 3 Program

LOT 3 PROGRAM SUMMARY								
LEVEL	**UNITS PER FLOOR**	**1 BEDROOM 1 BATH**	**2 BEDROOM 1 BATH**	**3 BEDROOM 2 BATH**	**4 BEDROOM 2 BATH**	**PARKING STALL**	**AREA**	**AMENITIES**
BUILDING 3-1								
1		10	8	2			17,685	Utility Room
2		10	8	2			17,360	
3		6	4	6	4		17,360	
4							6,685	
ROOF								
BUILDING 3-2								
1		3	3		1		6,330	
2		4	4				6,330	
3		4	4				6,330	
ROOF								
BUILDING 3-3								
1		12	12				19,975	Utility Room
2		12	12				19,655	
3		4	4	8	8		19,655	
4							13,340	
ROOF								
BUILDING 3-4								
1		6	4	1			10,655	Recreation Areas
2		8	6				11,435	
3		4	2	4	4		11,435	
4							6,685	
ROOF								
OFFICE								
1						3	780	Office
PARKING STRUCTURE								
1						60	3,605	Laundry Rooms, Parking Garage, Bike Stalls & Trash Enclosure Areas
2						52	480	Storage
3						52	480	Storage
OVERALL SITE						**32**		Parking Areas, Bike Stalls, Mailbox Areas
TOTAL UNIT MIX	194	83	71	23	**17**	**199**	**196,260**	**Trash Enclosure Areas**

Table 6. Lot 4 Program

LOT 4 PROGRAM SUMMARY								
LEVEL	UNITS PER FLOOR	1 BEDROOM 1 BATH	2 BEDROOM 1 BATH	3 BEDROOM 2 BATH	4 BEDROOM 2 BATH	PARKING STALLS	TOTAL GSF	**AMENITIES**
BUILDING 4-1								
1		13	15		1		18,620	Utility Room
2		14	16				18,295	
3		6	9	8	8		18,295	
4							13,340	
Roof								
BUILDING 4-2								
1		4	4				5,955	
2		4	4				5,955	
3		4	4				5,955	
Roof								
BUILDING 4-3								
1		2	2				3,740	
2		4	4				6,330	
3		4	4				6,330	
Roof								
PRESCHOOL								
1						9	3,130	Preschool
BUILDING 4-4								
1		6	4	2			11,835	Recreation Areas
2		6	6	2			12,610	
3		2	2	6	4		12,610	
4							6,685	
Roof								
OFFICE								
1						3	775	Office
BUILDING 4-5								
1		8	8	2			16,280	
2		8	8	2			16,275	
3		4	4	6	4		16,275	
4							6,685	
Roof								
1						3	550	Office
BUILDING 4-6								
1		4	4				6,740	Utility Room
2		4	4				6,330	
3		4	4				6,330	
Roof								
PARKING STRUCTURE								
1						82	4,210	Laundry Rooms, Parking Garage & Bike Stalls
2						89	545	Storage
3						89	545	Storage
OVERALL SITE						72		**Parking Areas, Bike Stalls, Mailbox Areas**
TOTAL UNIT MIX	**217**	**85**	**87**	**28**	**17**	**347**	**231,265**	**Trash Enclosure Areas**

Table 7. Lot 5 Program

LOT 5 PROGRAM SUMMARY								
LEVEL	**UNITS PER FLOOR**	**1 BEDROOM 1 BATH**	**2 BEDROOM 1 BATH**	**3 BEDROOM 2 BATH**	**4 BEDROOM 2 BATH**	**PARKING STALLS**	**TOTAL GSF**	**AMENITIES**
BUILDING 5-1								
1		7	11	2	1		19,935	Utility Room
2		8	12	2			19,780	
3		2	6	8	6		19,780	
4							9,970	
ROOF								
BUILDING 5-2								
1		8	4				11,450	Recreation Areas
2		8	6				11,450	
3		4	2	4	4		11,450	
4							6,695	
ROOF								
BUILDING 5-3								
1		6	8	2			14,820	
2		6	8	2			14,820	
3			2	8	6		14,820	
4							10,005	
ROOF								
PARKING STRUCTURE								
1						63	2,980	Laundry Rooms, Parking Garage, Bike Stalls & Trash Enclosure Areas
2						60	680	Storage
3						61	790	Storage
OVERALL SITE						24		**Parking Areas, Bike Stalls, Mailbox Areas**
TOTAL UNIT MIX	**153**	**49**	**59**	**28**	**17**	**208**	**169,425**	**Trash Enclosure Areas**

4.1. Overall Unit Mix and Affordability

The Project will provide approximately 734 affordable housing units including 287 one-bedroom, 285 two-bedroom, 97 three-bedroom, and 65 4-bedroom units. The Project's affordable rental units will be designated for families averaging between 30 percent to 60 percent of the AMI or below. The affordable residential units will remain for a minimum term of 73 years.

Table 8. Unit Mix and Affordability Target (subject to change)

Unit Type	30% AMI Units	60% AMI Units	Total[1]	% of Total
One-bedroom	14	273	287	39.1%
Two-bedroom	14	271	285	38.8%
Three-bedroom	5	92	97	13.2%
Four-bedroom	3	62	65	8.9%
Total	**36**	**698**	**734**	**100.0%**

[1]The total of 734 units includes six to eight manager units, which will be designated at a later stage of project development.

The project program is currently subject to refinement as the design continues to progress. While the Applicant is proposing approximately 734 affordable rental units, the final unit count may vary slightly as the project is further developed and optimized. The Applicant's goal is to maximize the number of affordable units delivered while also ensuring that unit mix, sizing, and overall marketability support long-term occupancy and operational stability. In addition to residential units, the project will include six to eight on-site manager units to support property management and day-to-day operations. The on-site manager units have not been identified but will be part of the 734 units.

The Applicant intends to utilize an AMI averaging approach, whereby the overall project maintains an average affordability level at or below 60% AMI, while allowing for a limited number of units at higher AMI levels, up to 80% AMI. This approach provides flexibility to accommodate changes in residents' household income over time, allowing existing residents to remain in place if their income increases, thereby promoting housing stability. The inclusion of lower AMI units within the project will ensure that the overall affordability requirement is maintained through averaging, consistent with applicable guidelines.

4.2. Flexible Ground Floor Use

On Lot 4, a ground floor space is designated as a flexible use area that may accommodate a range of potential uses, including a preschool. The space is intended to provide flexibility to support the needs of the project and surrounding area over time. If developed as a preschool, the space is anticipated to accommodate up to 80 students and may include up to nine dedicated parking stalls. If a preschool is included, the residential unit count would be reduced to accommodate the additional space.

4.3. Building Height

The building is designed to be three to four-stories with a maximum height of 46 feet, excluding rooftop structures and associated screening in accordance with the LUO.

4.4. Vehicle Parking and Loading

Vehicle parking and loading are provided within the Project to support resident needs. While off-street parking is not required under the LUO for this location, the Applicant is providing parking based on anticipated demand, along with loading and accessible parking in accordance with applicable standards.

Parking

According to the LUO, off-street parking is not required in the BMX-3 zoning district within the Ewa Development Plan area or within one-half mile of a future Honolulu rail transit station. Thus, vehicle parking is not required for the project.

The Applicant will provide ground-level parking and three-story parking structures to serve the development. A total of 998 standard parking stalls are proposed, distributed across Lots 2 through 5, as shown in **Table 9**.

Table 9. Number of Vehicle Stalls

Lot	Requirement	Provided Vehicle Stalls
2	None	243
3	None	199
4	None	347
5	None	209
	Total	998

The Applicant is providing a targeted supply of parking based on anticipated resident demand. Structured parking represents a significant development cost, and the proposed supply is calculated to avoid excess parking while maintaining functionality for residents.

Accessible Parking

Accessible parking stalls, including van-accessible stalls, will be provided and distributed across the project in compliance with ADA regulations and applicable City and County of Honolulu requirements.

Loading

Two loading stalls, one large and one small, are required per lot in accordance with the LUO. One of the loading stalls must be 19-feet by 8-feet 6-inches with a 10-feet vertical clearance and the other stall must be 35-feet by 12-feet by 14-feet vertical clearance. The Applicant is proposing to provide one of each loading stall per lot, for a total of four large and four small stalls along Village Walk.

Table 10. Number of Loading Stalls

Use Category	Requirement	No. of Units	Required Loading	Provided Loading
Lot 2: Multifamily dwellings	151-300 units	170 units	1 large, 1 small	2
Lot 3: Multifamily dwellings	151-300 units	194 units	1 large, 1 small	2
Lot 4: Multifamily dwellings	151-300 units	217 units	1 large, 1 small	2
Lot 5: Multifamily dwellings	151-300 units	153 units	1 large, 1 small	2
Flexible Ground Floor Use	*Joint use of loading.* Two or more uses on the same or adjacent zoning lots may share a loading area.	-	Share with multifamily	-
		Grand Total	**8**	**8**

4.5. Bicycle Parking

Bicycle parking will be provided in accordance with the LUO, including both short-term and long-term bicycle parking spaces across Lots 2 through 5.

Short-term bicycle parking will be provided at-grade within each lot to accommodate visitor use. A total of 56 short-term bicycle parking stalls are proposed. Long-term bicycle parking will be provided in secure, covered areas for residents. A total of 385 long-term bicycle parking stalls are proposed.

The Applicant proposes a modified number of bicycle parking stalls and is requesting an exemption from LUO requirements. The proposed bicycle parking supply is sufficient to meet anticipated demand and will be distributed throughout the project in a manner that supports accessibility, and efficient site design.

Table 11. Number of Bicycle Stalls

Use	Requirement	No. of Units	Required		Provided	
Lot 2: Residential Uses	Short-term: 1 for every 10 units	170 units	17	short-term	11	short-term
	Long-term: 1 for every 2 units		85	long-term	85	long-term

Lot 3: Residential Uses	Short-term: 1 for every 10 units	194 units	20	short-term	7	short-term
	Long-term: 1 for every 2 units		97	long-term	102	long-term
Lot 4: Residential Uses	Short-term: 1 for every 10 units	217 units	22	short-term	22	short-term
	Long-term: 1 for every 2 units		109	long-term	118	long-term
Lot 5: Residential Uses	Short-term: 1 for every 10 units	153 units	16	short-term	16	short-term
	Long-term: 1 for every 2 units		77	long-term	80	long-term
	Grand Total	**734 units**	**75**	**short-term**	**56**	**short-term**
			368	**long-term**	**385**	**long-term**

4.6. Site Access

The Project site is accessible from the surrounding street network, including Kapolei Parkway, Wākea Street, Kamaaha Avenue, Alohikea Street, Village Walk, and Kealakapu Street. These roadways provide direct connections to regional destinations as well as adjacent residential neighborhoods, commercial areas, and civic uses. To accommodate vehicular traffic, the project will involve improvements to adjacent streets.

Vehicular access to each lot will be provided via internal driveways connected to the surrounding streets. Pedestrian and bicycle access will be accommodated through existing and proposed sidewalks, shared-use paths, and on-site walkways that connect residential buildings to parking areas, open spaces, and street frontages.

Additional information on these facilities is provided in the Traffic Impact Report provided as **Appendix 4** and summarized in **Section 6.1.4.**

Section 5. Neighborhood Board

The Project was presented to the Makakilo/Kapolei/Honokai Hale Neighborhood Board No. 34 on the evening of Wednesday, December 10, 2025 and February 25, 2026.

December 10, 2025 Neighborhood Board No. 34 Meeting

Isaiah Sato from R. M. Towill presented as an agent for KP52 Developer, LLC. The Project was presented as approximately 800 affordable rental housing units ranging from 30%-60% Area Median Income (AMI). The current status, during the December meeting, is in the "pre-application" phase and will eventually go through City Council Committees and full Council before a final decision is made in the second quarter of 2026. See **Appendix 5** for the December 10, 2025 presentation and draft meeting notes.

Board and community members from the December 10, 2025 meeting raised concerns about the proposed development, including an initial timeline typo, overdevelopment in Kapolei, insufficient parking, and inadequate hurricane preparedness given that nearby shelters are not storm-rated. The project's 3–4 story walk-up design without elevators and reliance on wood rather than more resilient concrete construction were questioned. The board reminded the developer of the community's 17 previously submitted design and safety criteria. Residents from Mehana highlighted ongoing issues with similar projects such as traffic hazards, parking overflow, trespassing, security problems, lack of green space, and strain on already overcrowded schools. Board members agreed many concerns stem from systemic city planning issues, and some noted that problems at nearby low-income housing developments contribute to community worries about rule enforcement.

February 25, 2026 Neighborhood Board No. 34 Meeting

Elton Wong from Kobayashi Group and Āhē Group provided update on project plans to create 800 affordable rental units on 15.2 acres along Kapolei Parkway, located next to Mehana and Kapolei Hale. The Project will create 800 affordable rental units targeted at 60-80% Area Median Income (AMI) households. Development will include mix of studio, one-bedroom, two-bedroom, and three-bedroom units across multiple buildings. Project timeline anticipates groundbreaking in late 2026 or early 2027, with phased construction over approximately 3-4 years. The Applicant responded to and addressed the community concerns raised at the prior meetings.

Board and community members from the February 25, 2025 meeting raised concerns about the new development, including requests for concrete construction for better disaster resilience, questions about infrastructure such as solar panels and road widening, and worries about sewage capacity and school overcrowding. Residents also noted the lack of recreational areas,

suggested adding features like smoking areas and speed bumps, and asked about the possibility of a disaster shelter. Additional concerns included trash dumping, walkway walls, and whether a survey was conducted with residents from the first development phase.

The Applicant will periodically attend neighborhood board meetings in the future to provide updates on the Project status. Meeting Minutes for the Draft Makakilo/Kapolei/Honokai Hale Neighborhood Board No. 34, Wednesday February 25, 2026 are provided in **Appendix 5.**

Section 6. Analysis

A summary of the proposed project's potential impacts on infrastructure, public services, and physical environment is provided in this section. Overall, the analysis demonstrates that the Project can be adequately served by existing infrastructure and public services without significant adverse impacts.

6.1. Infrastructure

A Preliminary Engineering Report (PER) was prepared for the Project by R. M. Towill Corporation in March 2026. The report discusses existing and proposed infrastructure including wastewater, water, and storm drainage based on 763 total units. Since then, the project has been reduced to approximately 734 units. The PER is provided in **Appendix 6.**

6.1.1. Water

Excerpts from the PER are indicated in the following section (emphasis added).

Existing Potable Water System

Existing water lines adjacent to the project sites include 12-inch potable water mains located in Wakea St., Kamaaha Avenue, and Kapolei Parkway. There are 12-inch potable water main stub outs located within the existing Alohikea and Kauwela Street stub outs off of Kapolei Parkway and Village Walk.

The calculated flow data for nearby fire hydrants was provided by the Board of Water Supply, shown in the table below:

Fire Hydrant Number	***Location***	***Static Pressure (psi)***	***Residual Pressure (psi)***	***Flow (gpm)***
L07331	*Kapolei Parkway*	*71*	*55*	*2000*
L07601	*Wakea Street*	*67*	*49*	*2000*
L07654	*Kamaaha Avenue*	*70*	*53*	*2000*
L07717	*Kauwela Street*	*69*	*47*	*2000*
L07648	*Alohikea Street*	*70*	*50*	*2000*

Proposed Potable Water System

Lot 2:

The proposed onsite (private) potable water system will connect to existing 4-inch and 8-inch potable water laterals located off Kapolei Parkway. The water connection design will include FM water meters, gate valves, and BWS approved backflow prevention assemblies. The water system design will be verified during the design phase.

Lot 3:
The proposed onsite (private) potable water system will connect to existing 4-inch and 8-inch potable water laterals located off Kapolei Parkway. The water connection design will include FM water meters, gate valves, and BWS approved backflow prevention assemblies.

Improvements will also include completing the 12-inch water line connection running along the formerly proposed Kauwela Street extension. The water system design will be verified during the design phase.

Lot 4:
The proposed onsite (private) potable water system will connect to the existing 12-inch potable water main that runs within Alohikea Street where it crosses Kapolei Parkway. The water connection design will include FM water meters, gate valves, and BWS approved backflow prevention assemblies. The water system design will be verified during the design phase.

Lot 5:
The proposed potable water system will connect to the existing 12-inch water line that runs within Alohikea Street where it crosses Kapolei Parkway. The connection to the site will include an 8"x2" FM meter and BWS approved backflow prevention assembly.

The Lot 5 improvements will also include completing the 12-inch water line connection along the formerly proposed Alohikea Street extension from Kapolei Parkway to the existing Alohikea Street on the south side of the site.

BWS confirmed that the existing water system is adequate to accommodate the proposed developments.

Existing Non-Potable Water System

Existing non-potable recycled water lines adjacent to the project sites include a 16-inch recycled water main located in Kapolei Parkway, an 8-inch recycled water main located in Wakea Street, 8-inch recycled water main stub outs at the existing Alohikea Street stub out and Kamaaha Intersection off of Kapolei Parkway, and 12-inch recycled water main stub outs at the existing Kauwela Street-Kapolei Parkway and Kealakapu Street-Kapolei Parkway intersections.

Proposed Non-Potable Water System

Lot 2:
The proposed onsite (private) non-potable water system will connect to either the existing 16- inch recycled water main within Kapolei Parkway, the 12-inch recycled water main stub out within the Kealakapu Street-Kapolei Parkway intersection, or the 12-inch recycled water main stub out located within the existing Kauwela Street roadway stub out. The connection locations will be verified during the design phase of Lot 2.

Lot 3:
The proposed onsite (private) non-potable water system will connect to either the existing 16- inch recycled water main within Kapolei Parkway, the 12-inch recycled water main stub out located within the existing Kauwela Street roadway stub out, or the existing 12-inch recycled water main stub out located within Kamaaha Avenue. The connection locations will be verified during the design phase of Lot 3.

Lot 4:
The proposed onsite (private) non-potable water system will connect to either the existing 16- inch recycled water main within Kapolei Parkway, the existing 12-inch recycled water main stub out located within the existing Kamaaha Avenue roadway stub out, or the existing 8-inch recycled water main stub out located within the existing Alohikea Street roadway stubout. The connection locations will be verified during the design phase of Lot 4.

Lot 5:
The proposed irrigation system will connect to the existing 16-inch recycled water main within Kapolei Parkway to the north of the site with a 1-inch lateral. The proposed non-potable demand will be 3,948 gpd.

Water service is available adjacent to the Project site, and sufficient system capacity has been confirmed to accommodate the proposed development. Final connection details will be confirmed during design and permitting.

6.1.2. Drainage

Excerpts from the PER are indicated in the following section (emphasis added).

The existing and proposed drainage system is a part of the City of Kapolei Revised Drainage Master Plan. This portion of the City of Kapolei drainage system ultimately discharges to the Makai Channel that runs parallel to Franklin D. Roosevelt Avenue.

Existing Storm Drainage System

The existing Lots 2-5 are being used as detention/retention basins until the permanent drainage improvements are constructed.

The existing detention/retention basins within Lot 4 and 5 collect onsite and offsite runoff and discharge into two outlets that connect directly to the existing 66-inch drain line (Drain Line B, see Makai Channel Key Map) within Kamaaha Avenue. A small portion of the runoff on Lots 4 and 5 sheet flow south off site onto adjacent roadways. The Lot 4 and 5 existing detention/retention basins also receive off-site runoff from the adjacent roadway drainage systems. A 36-inch drain line crosses Kapolei Parkway on Alohikea street, enters the site from the north, and discharges into a ditch crossing structure that eventually leads to the existing on- site retention basins. A 66-inch drain line enters the site from the east as it crosses Wakea Street and discharges off-site runoff into a detention basin that is adjacent to Wakea Street.

The existing detention/retention basins within Lot 2 and 3 collect onsite runoff via drain inlets that connect directly to the existing 66-inch drain line (Drain Line C, see Makai Channel Key Map) that runs north to south in between Lots 2 and 3. This drain line will connect to the portion of Drain Line B that runs east to west along the proposed village walk, consisting of a 72-inch drain line, and 10' x 5' box culvert. This system bends south at the future Kealakapu Street and discharges into the Makai channel.

Proposed Storm Drainage System

The proposed drainage systems will be designed in accordance with the City of Kapolei Revised Drainage Master Plan and with the City and County of Honolulu's Storm Drainage Standards.

Lot 2:
The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, drain manholes, and drain lines. The drainage system will connect to the City's existing system at five potential locations; two stub outs along Kapolei Parkway, two stub outs along the proposed Village Walk, and a connection to the 66-inch drain line that crosses between Lots 2 and 3. Exact locations of connection will be verified during the design phase.

Lot 3:
The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, drain manholes, and drain lines. The drainage system will connect to the City's existing system at four potential locations; one stub out along Kapolei Parkway, one stub out along the proposed Village Walk, one stub out along Kamaaha Avenue, and a connection to the 66-inch drain line that crosses between Lots 2 and 3. Exact locations of connection will be verified during the design phase.

Lot 4:

The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, drain manholes, and drain lines. The drainage system will connect to the City's existing system at three potential locations; one stub out near the Village Walk and Alohikea intersection, one stub out along the proposed Village Walk, and one stub out along Kamaaha Avenue. Exact locations of connection will be verified during the design phase.

Lot 5:

The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, and drain lines. The drainage system will connect to the City's existing system at three locations; the existing 24-inch stub out and existing 66-inch stub out at the southwest end of the project site, and an existing 24-inch drain line off Wakea Street. The offsite (City) improvements will include extending the existing 66-inch drain line to complete the connection to the existing 72-inch drain line within Lot 3 and connecting the existing 36-inch drain line near the Alohikea Street and Kapolei Parkway intersection to the proposed 66-inch drain line on the south side of the site.

The proposed drainage system is designed to integrate with the existing municipal system and conform to the City's drainage standards. Final design and connection details will be refined during the engineering and permitting phases. No significant off-site drainage improvements are anticipated to be required to serve the Project.

6.1.3. Wastewater

Excerpts from the PER are indicated in the following section (emphasis added).

Existing Wastewater System

Existing City sewer lines are available adjacent to the project site. There are two 10-inch gravity sewer mains; one on Wakea Street and one that crosses the site from Alohikea Street and Kapolei Parkway intersection to the continuation of Alohikea Street on the south side of the project, an existing 15-inch gravity sewer main within Kamaaha Avenue, and a 12" gravity sewer main within the future Kealakapu Street. There are existing sewer laterals serving Lot 5 on both gravity mains within Wakea Street and the proposed Alohikea Street cul-de-sac.

Proposed Wastewater System

Lot 2:

The proposed onsite (private) sewer system will connect the existing 12-inch gravity sewer main at the sewer manhole within the future Kealakapu Street near the southwest

corner of the site. Sewer capacity will be calculated, and a sewer connection application will be submitted to the city prior to the design phase of Lot 2.

Lot 3:
The proposed onsite (private) sewer system will connect the existing 15-inch gravity sewer main within Kamaaha Avenue near the southeast corner of the site. The connection location will be verified during the design phase of Lot 3. Sewer capacity will be calculated, and a sewer connection application will be submitted to the city prior to the design phase of Lot 3.

Lot 4:
The proposed onsite (private) sewer system will connect to either the existing 15-inch gravity sewer main within Kamaaha Avenue near the southwest corner of the site or the existing 12- inch gravity sewer main at the sewer manhole within the proposed Alohikea Street cul-de-sac. The connection location will be verified during the design phase of Lot 4 Sewer capacity will be calculated, and a sewer connection application will be submitted to the city prior to the design phase.

Lot 5:
The proposed onsite (private) sewer system will connect to the existing 12-inch gravity sewer main at the sewer manhole within the proposed Alohikea Street cul-de-sac. A sewer connection application has been submitted to the City and County of Honolulu for the proposed development (See Appendix A), the application has been tentatively approved under condition. For the proposed 166-unit development, the average wastewater flow generated by the development will be approximately 0.0336 MGD based on 2.8 people per unit and 70 gallons per person per day. During design, the capacity of each existing lateral will be verified to confirm it can accommodate the proposed flows. The onsite sewer system will be designed in accordance with the City and County of Honolulu Department of Environmental Service's Wastewater System Design Standards.

Wastewater service is available adjacent to the Project site and is adequate to serve the proposed development. The Project will connect to the existing municipal system, with final connection details confirmed during design and permitting.

6.1.4. Transportation

A Traffic Impact Report (TIR) was prepared by Wilson Okamoto Corporation in December 2025. The purpose of the TIR was to identify and assess the traffic impacts resulting from the proposed project. The traffic analysis represents a conservative scenario, as the current project proposes a reduced unit count and a flexible ground floor use in place of a daycare. The recommendations and conclusion of the TIR are provided in this section, and the TIR is included in its entirety in **Appendix 4**.

The analysis was conducted in accordance with the "Highway Capacity Manual", Transportation Research Board, 2016, and the "Synchro" software, developed by Trafficware. The analysis is based on a quantitative and qualitative assessment referred to as Level of Service (LOS) to identify the traffic impacts associated with peak period demands of traffic. LOS is defined by "A" through "F." LOS "A" represents ideal or free-flow traffic operating conditions and LOS "F" denotes unacceptable or potentially traffic congestion. The study assumed an average annual growth rate of 0.5 percent to account for ambient traffic growth. A growth factor of 1.03 was applied as the Base Year to existing traffic demands along Kapolei Parkway and Wakea Street to achieve traffic demands projected for Year 2031. Projected traffic conditions were based off of the former concept, which was for 820 multi-family units, , and day care center of 80 students. The trip generation methodology also accounted for multi-modal trips (non-motorized modes of travel).

Field investigations were conducted on October 22, 2025 and consisted of manual turning movement count surveys during morning peak hours of 6:00 a.m. to 9:00 a.m. Afternoon peak hours occurred between 3:00 p.m. and 6:00 p.m.

The following intersections were studied:

- Kapolei Parkway and Wakea Street
- Kapolei Parkway and Alohikea Street
- Kapolei Parkway and Kamaaha Avenue
- Kapolei Parkway and Kealakapu Street

Another ratio, "Volume-to-Capacity," (v/c) is another measure of relative traffic demand to the road carrying capacity. A v/c ratio of one (1.00) indicates that the roadway is operating at or near capacity. A v/c ratio of greater than 1.00 indicates that the traffic demand exceeds the road's carrying capacity.

The AM peak hour for traffic 7:15 a.m. and 8:15 a.m. and between 3:45 p.m. and 4:45 p.m. The analysis is based on the peak time periods for each intersection to identify proposed project traffic impacts.

Other projects proposed traffic generation was also factored into the analysis, as they are anticipated to be completed before 2031. One such project is the Sonic Drive-In proposed for Lot 70 at the southwest corner of the Fort Barrett Road-Kapolei Parkway intersection. Another project is the Luhauola Development, proposed to be located at the Alohikea Street and Kamaaha Avenue intersection. The project will include 29 workforce rental housing apartments approximately 12,000 square feet of commercial

space. Finally, the Naliko development is proposed at the corner of Manawai Street and Kamaaha Street, across the Kapolei Regional Park. The project is to include approximately 300 multi-family residential units.

If additional access to and from the project site were to be provided via connections at Alohikea Street and Kauwela Street, the intersection of these roadways and Kapolei Parkway would likely be two-way stop-controlled intersections and vehicles coming from the project site would need to cross multiple lanes to access Kapolei Parkway. The projections also anticipated two-way stop-controlled intersections at Alohikea Street and Kauwela Street with Kapolei Parkway. Access at the Kamaaha Avenue intersection is currently limited to right-turn movement. Wakea Street is proposed for extension further south, where it will intersect Roosevelt Avenue and enable the connection between KCDD and the H-1 Freeway Interchange.

Kapolei Parkway and Wakea Street

At the Wakea Street-Kapolei Parkway intersection, there were 230 vehicles eastbound and 712 vehicles westbound during the AM peak period. There were 654 vehicles traveling east and 576 vehicles west. During peak hours, the eastbound and westbound approaches operate at LOS "B." Traffic backs up at the Kapolei Parkway approaches during the peak period. The queues cleared the intersection during the peak period for each light change at traffic signals.

Wakea Street carries 145 vehicles northbound and 282 vehicles southbound during the AM peak traffic hour. During the PM peak traffic hour, traffic volume was less with 67 vehicles traveling north and 357 traveling south. During peak hours, the Wakea Street approaches operate at LOS "B." Traffic back-ups form on the Wakea Street approach to the intersection with more queues in the southbound approach. Average back-ups were 6 to 8 vehicles during both peak periods.

Pedestrian crossings cross all intersection approaches. During the AM peak hours, nine pedestrians were observed crossing Kapolei Parkway and 11 pedestrians crossing Wakea Street. During the PM peak hours, 11 pedestrians crossed Kapolei Parkway and 21 crossed Wakea Street.

Kapolei Parkway and Alohikea Street

At the Alohikea Street-Kapolei Parkway intersection carries 230 vehicles east and 712 vehicles west. During PM traffic, 717 vehicles were traveling east and 485 were traveling west. The eastbound left-turn traffic lane operates at LOS "B" during traffic peak hours.

During the AM peak period, Alohikea Street carries 31 vehicles southbound and 88 vehicles during the PM peak hour. The Alohikea Street approach operates at LOS "B"

during both peak hours of traffic. There was minimal back-up on the Alohikea Street approach with average queue lengths for both peak periods of one to two vehicles. There are pedestrian crossings across all approaches of the T-intersection. In the AM peak period, two pedestrians crossed Alohikea Street on the north side of the intersection.

Kapolei Parkway and Kamaaha Avenue

In the AM peak traffic hours, at the Kamaaha Avenue-Kapolei Parkway intersection, there were 229 vehicles traveling eastward and 563 traveling west. The overall traffic volume is greater with 743 vehicles traveling east and 531 traveling west during the PM peak traffic hour. The westbound left-turn movement operates at LOS "A" in the AM peak hours and LOS "B" in the PM peak hours. The left-turn eastbound movement operates at LOS "B" during peak traffic hours. During the AM peak traffic hours, at Kamaaha Avenue, there were 95 vehicles northbound and 100 vehicles heading southbound during the AM peak hours. Traffic volumes during the PM peak traffic hour is similar with 89 vehicles traveling north and 95 vehicles traveling south. The Kamaaha Avenue approach is restricted to right-turn movements only.

There are pedestrian crossings across all intersection approaches. Four pedestrians crossed Kapolei Parkway during the Am peak hour and five pedestrians crossed Kamaaha Avenue. Three pedestrians crossed Kapolei Parkway while two pedestrians crossed Kamaaha Avenue.

Kapolei Parkway and Kealakapu Street

At the Kapolei Parkway and Kealakapu Street intersection during the AM peak traffic hour, there were 227 vehicles traveling eastbound and 590 westbound. The traffic is greater with 707 vehicles traveling to the east and 529 traveling to the west. The eastbound left-turn on Kapolei Parkway operates at LOS "B" during the AM and PM peak traffic hour. Southbound on Kealakapu Street, there were six vehicles in the AM peak hour and 57 vehicles during the PM peak hour. During both peak periods, the southbound approach operates at LOS "B." There were minimal traffic queues in both peak periods with back-ups of only one to two vehicles. There are pedestrian crossings across all intersection approaches, and minimal crossings during field investigations. During the AM peak hour, four pedestrians crossed Kealakapu Street and there were no pedestrian crossings in the PM peak hour.

Other projects proposed traffic generation were also factored into the analysis, as they are anticipated to be completed before 2031. One such project is the Sonic Drive-In proposed for Lot 70 at the southwest corner of the Fort Barrett Road-Kapolei Parkway intersection. Another project is the Luhauola Development, proposed to be located at

the Alohikea Street and Kamaaha Avenue intersection. The project will include 29 workforce rental housing apartments approximately 12,000 square feet of commercial space. Finally, the Naliko development is proposed at the corner of Manawai Street and Kamaaha Street, across the Kapolei Regional Park. The project is to include approximately 300 multi-family residential units,

There are two scenarios, with the first assuming that the turning restrictions be maintained at the Kapolei Parkway and Kamaaha Avenue. The second assumes that full movement is allowed at Kapolei Parkway and Kamaaha Avenue with a traffic signaled intersection.

Intersection	Approach/ Critical Movement	AM			PM		
		W/o Proj.	W/Proj. Scenario 1	W/Proj. Scenario 2	W/o Proj.	W/Proj.- Scenario 1	W/Proj.- Scenario 2
Kapolei Parkway/ Wakea Street	Eastbound	B	B	B	B	B	B
	Westbound	B	B	B	B	B	B
	Northbound	B	B	B	B	B	B
	Southbound	B	B	B	B	B	B
Kapolei Parkway/ Alohikea Street	Eastbound (LT*)	B	B	B	B	B	B
	Southbound	B	B	B	B	B	B
Kapolei Parkway/ Kamaaha Avenue	Eastbound (LT*)	B	B	-	B	B	-
	Eastbound	-	-	B	-	-	B
	Westbound (LT*)	A	A	-	B	C	-
	Westbound	-	-	A	-	-	B
	Northbound	B	B	B	B	B	B
	Southbound	B	B	B	B	B	B
Kapolei Parkway/ Kealakapu Street	Eastbound (LT*)	B	B	B	B	B	B
	Westbound (LT*)	-	A	A	-	B	B
	Northbound	-	B	B	-	C	C
	Southbound	B	C	C	B	C	C

* Left-turn

Traffic operations are expected to remain the same in 2031 with the project. Without the project, the traffic is anticipated to remain similar to the current situation. Along Kapolei Parkway, the Alohikea Street and Kealakapu Street intersection are anticipated to continue operating at LOS "B" or better during both peak traffic hours. Traffic at Kamaaha Avenue is expected to operate at LOS "B" or better. Traffic at the Wakea Street intersection is also expected to operate similar to the existing traffic operations. With Scenario 1, the left and through movement restrictions on the Kamaaha Avenue approaches is anticipated to be limited to conflicting movement at the intersection. The intersection is expected to operate at LOS "C" or better during peak traffic hours. Under

Scenario 2, the traffic signal system at the intersection is expected to facilitate a high volume of traffic at the intersection with all turn movements allowed.

The project traffic engineer recommends the following:

1. Ensure there is sufficient sight distance for entry and exit at project driveways.
2. Provide loading and off-loading areas onsite and prohibit offsite loading.
3. Assure adequate turn-around space for service, delivery, and refuse collection vehicles to maneuver and prevent vehicles from reversing on to public roads.
4. Ensure there is sufficient turn radii at all driveways to avoid vehicle encroachments to oncoming traffic lanes.
5. Modify Kapolei Parkway-Kealakapu Street intersection to extend the roadway further south to enable access to the project site.
6. Alter the westbound approach of the Kapolei Parkway-Kealakapu Street intersection to provide an exclusive left-turn lane. The dimensions and layout will be finalized during the project design phase.
7. Prepare a full traffic signal warrant study for the intersection of Kapolei Parkway and Kamaaha Avenue to verify if the installation of a traffic signal system is warranted at this location.
8. Pedestrian connections should be provided between onsite and offsite uses facilities, and be in compliance with the American with Disabilities Act (ADA).
9. Provide bicycle facilities with designated bicycle parking.
10. Prepare a Construction Management Plan (CMP) that includes anticipated construction schedule and phasing, traffic circulation and control, and parking during construction.

Based on the PER, TIAR, and agency coordination to date, infrastructure is available and adequate to support the proposed development, and no major off-site improvements are anticipated.

6.2. Public Services

6.2.1. Solid Waste Management

The solid waste generated by the proposed development will be collected by a private refuse company and will not impact municipal refuse services. The City and County also maintains public refuse drop-off sites, including six convenience centers and three transfer stations where residents can dispose of household refuse including furniture, large metal appliances, bulky items and green waste. There is an Ewa Beach Convenience Center approximately 4.1 miles away from the site. Kapolei Convenience Center, approximately 4.3 miles away from the site. Construction waste will be disposed of at approved disposal or recycling facilities in accordance with City, State, and Federal regulations.

6.2.2. Fire

The nearest Honolulu Fire Department (HFD) Station in the Project vicinity is HFD Station No. 40. This station is located approximately 1 mile southwest of the Project Site at 2020 Lauwiliwili St, Kapolei, HI 96707.

6.2.3. Police

The nearest police station is the Kapolei Police Station (District 8) located approximately 0.8 miles to the north of the Project Site at 1100 Kamokila Blvd, Kapolei, HI 96707.

6.2.4. Medical

Nearby full-service medical facilities are Straub Benioff Medical Center – Kapolei Clinic & Urgent Care located approximately 1.50 miles from the Project Site at 91-5431 Kapolei Pkwy, Kapolei, HI 96707 and Kaiser Permanente – West Oahu Medical Office at Kapolei located approximately 0.50 miles at 401 Kamokila Blvd, Kapolei, HI 96707.

6.2.5. Educational Facilities

The development will provide residential housing which may include school-age children and will contribute to increased school enrollment in the Hawai'i Department of Education (DOE) school system. Students from the Project vicinity would attend Hookele Elementary School, Kapolei Intermediate School, and Kapolei High School. The number of estimated students generated from the proposed Project, official enrollment, capacity, and 5-year Projected enrollment provided by HIDOE is shown below in **Table 12**.

Table 12. Projected School Capacity

School	Est. Number of Students Generated from Project	School Capacity	Enrollment (2025-2026)	5-Year Projected Enrollment
Hookele Elementary	168	1,000	771	351
Kapolei Middle	48	1,244	769	538
Kapolei High	80	1,696	1,745	1,905

While Kapolei High School is currently operating above capacity, the Project's contribution is expected to be incremental and will be evaluated in coordination with the Department of Education. The provision of a potential on-site preschool and proximity to multiple schools helps support educational access within the community.

Hookele Elementary and Kapolei middle is operating below full capacity for the year 2025-2026 and is anticipated to continue operating well below full capacity for the projected five years. Other DOE schools in the broader vicinity include Barbers Point Elementary School and Kapolei Elementary School.

On Lot 4, a ground floor space is designated as a flexible use area that may accommodate a range of potential uses, including a preschool. The space is intended to provide flexibility to support the needs of the project and surrounding area over time. If developed as a preschool, the space is anticipated to accommodate up to 80 students and may include up to nine dedicated parking stalls.

Based on standard student generation estimates, the Project will contribute to demand on nearby public schools. The Applicant will coordinate with the Hawaii Department of Education regarding projected enrollment and long-term capacity planning. Given the Project's location within a planned urban area, the development is consistent with anticipated population growth patterns reflected in regional planning documents.

Public services, including solid waste, emergency response, medical services, and schools, are available to serve the Project, and any impacts are expected to be incremental and consistent with planned urban growth.

6.3. Physical Environment

6.3.1. Natural Landforms

The project site is located on a relatively level area that has been previously graded. The project site does not contain any notable or unique landforms or topographic features.

6.3.2. Natural Habitats

A flora and fauna survey was conducted by AECOS Inc. in November 2025. The purpose of the study was to survey the flora and fauna to establish the presence/absence of species listed as threatened or endangered under the Endangered Species Act (ESA) or otherwise of conservation concern at the project site and report of the findings. The survey is provided in **Appendix 8.**

Flora

The AECOS survey found that existing vegetation on the project site is minimal, composed mainly of herbaceous ruderal plants that have come up after grading and grubbing and some Kiawe. No plants proposed or listed as threatened or endangered species as set forth in the Endangered Species Act of 1973 as amended (16 U.S.C. 1531-1543; USFWS, nd-a; HDLNR, 1998) were seen in the survey area.

No plant species deserving special consideration were recorded in the survey. Two native species were recorded, 'uhaloa, a common ruderal plant, and 'aeae, a wetland-associated species. The survey in 2020 of a nearly identical adjacent parcel found three native species: ko'oloa kea kea (Abutilon incanum), 'ilima (Sida fallax), and 'uhaloa (Waltheria indica). These three species are indigenous and generally common in Hawai'i (AECOS, 2020).

Fauna

According to the AECOS survey mentioned above there was a Hawaiian Stilt, Ae'o, (Himantopus mexicanus knudseni) visiting one of two pools of standing water within the drainage swales that cross the several lots but these features on the project site are ephemeral and not suited to serve as permanent habitat for stilt or any other native waterbird. There were no other native birds recorded on site.

When site grubbing and grading is conducted coincident with standing water on the site, a monitor (provided by the contractor and trained to recognize the stilt) could ensure that listed birds are not utilizing any ephemeral ponds under direct threat by land-clearing activity. If an endangered waterbird is present, all work in the immediate vicinity must cease until the animal leaves voluntarily.

The survey did not find any seabirds or suitable habitat within the survey area for seabirds. However, protected night-flying Hawaiian seabirds may overfly the project area. In the summer and fall, night-flying seabirds (especially fledglings) transiting to the sea from inland nesting areas can become disoriented by exterior lighting and collide with the ground or any upright structures. Project plans should ensure that all outdoor

lighting during construction and installed afterwards is fully shielded (dark sky compliant; see HDLNR-DOFAW, 2016).

The Short-eared owl or pueo (Asio flammeus sandwichesis) is increasingly scarce on O'ahu where the population is listed as endangered by the State of Hawai'i (HDLNR, 1998; not listed under federal statute). No potential habitat for this species occurs in the survey area given the generally bare condition of the ground following grading. Pueo is a ground-nesting species and the density of cats and dogs, both domestic and feral, would be too great here for any reasonable expectation of successful nesting.

The copse of Kiawe trees on the triangular parcel north of Kapolei Parkway could be used by the state- and federal-listed 'ōpe'ape'a or Hawaiian hoary bat (Lasiurus semotus) for roosting. Although rare on O'ahu, minimizing adverse impacts to Hawaiian hoary bat roost requires not clearing woody vegetation taller than 4.6 m (15 ft) between June 1 and September 15 of each year. This period is the bat pupping season and pups and female bats carrying pups may be unable to escape a tree being felled during the pupping season (USFWS-PIFWO, 2023).

No federally designated Critical Habitat occurs in the Project area; no equivalent statute exists under state law (USFWS, nd-b). No natural resources of preservation or conservation concern beyond those described above, occur in the Project area.

There is a man-made central drainage swale running east-west through the lots. This swale does not connect to any traditional navigable downstream waters. Additionally, there are no streams outside of the vicinity of the lots that feed into the swale.

6.3.3. Hazardous Waste Management

A Phase I Environmental Site Assessment was prepared by Ford & Associates, Inc. in December 2025. The report is provided in **Appendix 7**. Based on the findings of the assessment, there was no evidence of recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps, as defined by ASTM International in connection with the subject property. The Project Site was previously used to grow sugar cane crops; therefore, the soils were studies for potential environmental impacts of agricultural chemicals. The soils were studied through sampling and laboratory tests. Arsenic was detected in the soil but was found to be below the environmental action level for the proposed project's use. Dieldrin, g-Chlordane and a-Chlordane were detected below the environmental action level. The remaining Organochlorine Pesticides were not detected above the laboratory reporting limits. Based on these findings, no further investigation regarding the past agricultural use of the subject property is recommended.

6.3.4. Archaeology

A draft archaeological literature review and field inspection (ALRFI) was prepared by Cultural Surveys Hawai'i in October 2025. The investigation was "designed-through historical, cultural, and archaeological background research and a field inspection of the project area-to determine the likelihood that historic properties may be affected by the proposed project and, based on findings, to consider cultural resource management recommendations." The report is provided in **Appendix 9.**

The investigation indicates the following:

- No historical properties were identified in the literature within the project limits.
- No historical properties were identified during the current investigation within the project limits.
- The potential for subsurface archaeological historic properties within the project is very low.

An Archaeological Inventory Study (AIS) is not warranted for the project and an archaeological monitoring program during project construction is not warranted.

A project effect determination of "no historic properties affected" is appropriate, and no further historic preservation review steps are warranted.

Procedures for inadvertent discoveries, including human remains, will follow Hawai'i Administrative Rules to ensure compliance and cultural sensitivity.

On April 30, 2026, SHPD concurred with DHLM's determination of "No historic properties affected."

6.3.5. Historic Architecture

No historic architectural properties listed in the National and Hawai'i Register of Historic Places are present in the project area.

6.3.6. Exceptional Trees

No trees located on the project site are designated as "exceptional trees" of the CCH pursuant to ROH Section 40-8.7, Register of Exceptional Trees.

6.3.7. Parks and Recreation

The project site is within 1 mile from Kapolei Regional Park, offering tennis courts, walking paths, playgrounds, baseball/softball diamonds and open green space. Additional nearby facilities include Kapolei Community Park and smaller pocket parks that enhance the recreational network for residents and visitors.

The development may slightly increase foot traffic and activity at the nearby parks and surrounding recreational areas. To address this, the project incorporates multiple on-site amenities, including landscaped areas.

6.3.8. Sea Level Rise

Recorded temperatures at the National Oceanic and Atmospheric Administration (NOAA) Cooperative Station 'Ewa Plantation 741, about 3 miles east of Project Site, range from an average annual maximum of 84.3° F to an average annual minimum of 65.7° F. The maximum daily extreme temperature recorded is 93° F, while the minimum daily recorded temperature is 49° F. Prevailing trade winds arrive from the northeast. The 'Ewa Plain is one of the drier areas of O'ahu. The average annual rainfall at the project site is approximately 18 inches.

Climate change is considered a threat to all coastal areas. Planning for climate change and sea level rise (SLR) is challenging as there are multiple variables and changing and unknown factors. Research indicates that greenhouse gas (GHG) emissions, including carbon dioxide, methane, nitrous oxide, and fluorinated gases, are a key contributor to the unprecedented increases in global atmospheric warming over the past century (USEPA, 2011 and IPRC, 2013). University of Hawai'i (UH) researchers have documented the effects of climate change in Hawai'i, as air temperatures have risen; rain intensity has increased while total rainfall has decreased; stream flows have decreased; sea surface temperatures and sea levels have increased; and the ocean is becoming more acidic (IPRC, 2013, var. and SB No. 2745, 2012). These trends are projected to continue to increase in the future, which poses unique and considerable challenges to Hawai'i. It is estimated that sea level has risen in Hawai'i by approximately 0.6 inches per decade (1.5 millimeter per year) over the past century (SOEST, 2012). The estimates point to a potential aggregate SLR of 1.3 feet (40 centimeter) by the year 2060 and a rise of 3.3 feet (100 centimeter) by 2110 (SOEST, 2012).

The Hawai'i State Legislature passed a law (SB 2745) in 2012 that amended the State Planning Act to include climate change as one of the State's priority guidelines. In 2014, the Hawai'i State legislature passed the Hawai'i Climate Adaptation Initiative Act (Act 83, 2014), codified as HRS, Chapter 225P, which established an Interagency Climate Adaptation Committee (ICAC). The purpose of Act 83 is to address the effects of climate

change by implementing a climate adaption plan. On June 6, 2017, Governor David Ige signed Act 32, Session Laws of Hawai'i, which amended HRS, Chapter 225P by renaming the ICAC to the Hawai'i Climate Change Mitigation and Adaptation Commission ("Commission"). The Commission published the Hawai'i Sea Level Rise Vulnerability and Adaptation Report ("SLR Report") in December 2017, which included recommendations on how to reduce exposure and increase adaptability to the impacts of SLR. Research within the SLR Report notes that the intensity and frequency of natural disasters have increased and will continue to do so, and further provides technical projections of areas along the coast that are vulnerable to SLR based on the latest available science. The SLR Report includes recommendations to address risks associated with climate change. The SLR Report found that a SLR of 3.2 feet and the associated erosion, flooding, and waves inundation, will have significant impacts to O'ahu's building and land values, residents and infrastructure.

Based on Guidance from the Honolulu Climate Change Commission, the City and County of Honolulu has found that a planning benchmark of six feet of sea level rise (SLR) is appropriate for projects with a life span beyond mid- century, and for critical infrastructure. High tide flooding and nuisance flooding may be present and precede global mean SLR by decades. The National Oceanic and Atmospheric Administrators (NOAA) have come up with a viewer to view impacted areas at different levels of sea level rise. At six feet, the Project Site will not be affected by sea level rise.

6.3.9. Flood Zone

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), the project site is located within Flood Zone D. See **Figure 3.** Flood Zone. Zone D indicates unstudied areas where flood hazards are undetermined, but flooding is possible. Site design will incorporate appropriate drainage and grading measures consistent with City standards to ensure resident safety.

6.3.10. Tsunami

According to the CCH Department of Emergency Management (DEM) Tsunami Evacuation Zone maps, the project site is located within the "Safe Zone." As a result, residents will not need to evacuate during tsunami warnings.

The Project site does not contain significant environmental constraints, and potential impacts can be effectively managed through standard design and construction practices.

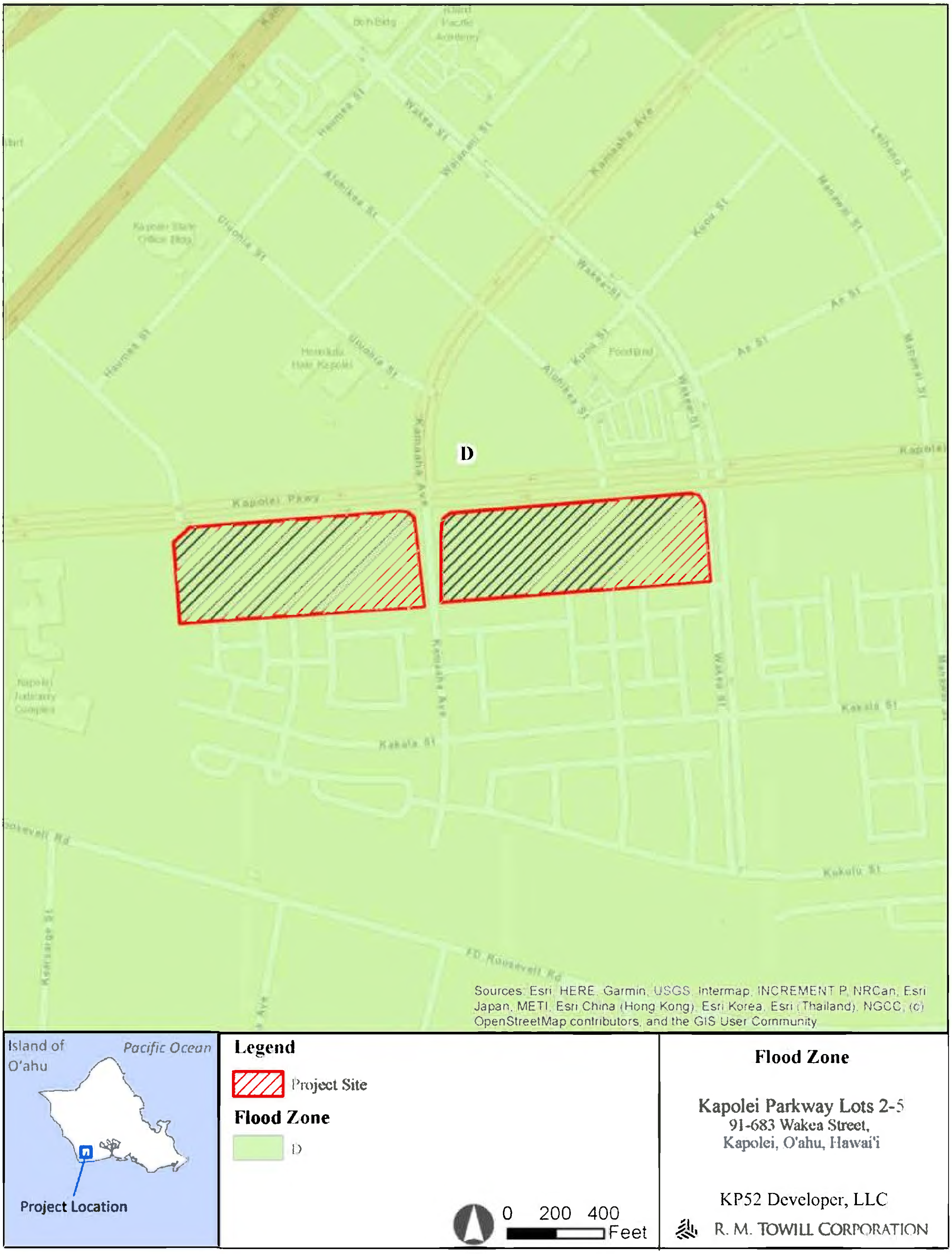


Figure 3. Flood Zone

Section 7. Plans and Policies

The following section describes the project's relation to relevant plans and policies including the State Lane Use District, the O'ahu General Plan, the 'Ewa Development Plan, and the Land Use Ordinance. Overall, the Project is consistent with applicable State and City plans and policies and supports planned growth within the Kapolei area.

7.1. State Land Use

The Hawai'i State Land Use Law pursuant to HRS Chapter 205, *Land Use Commission*, adopted in 1961, is intended to preserve and protect Hawai'i's lands and encourage the uses to which the lands are best suited. All land in Hawai'i is classified in one of the following four State Land Use Districts (SLUDs): Urban, Rural, Agricultural or Conservation.

The project site is located in the State Land Use Urban District as shown in **Figure 4**. The Urban District generally includes lands characterized by "city-like" concentrations of people, structures, and services. Jurisdiction of this district lies primarily with the respective counties. Generally, lot sizes and uses permitted in the district area are established by the respective county through ordinances or rules. CCH has established ordinances, rules, and plans to regulate the land uses permitted in the urban district. A State Land Use District Boundary Amendment is not needed to redevelop the Project as proposed. The proposed use of the Project Site for residential development would be consistent with the "Urban" designation.

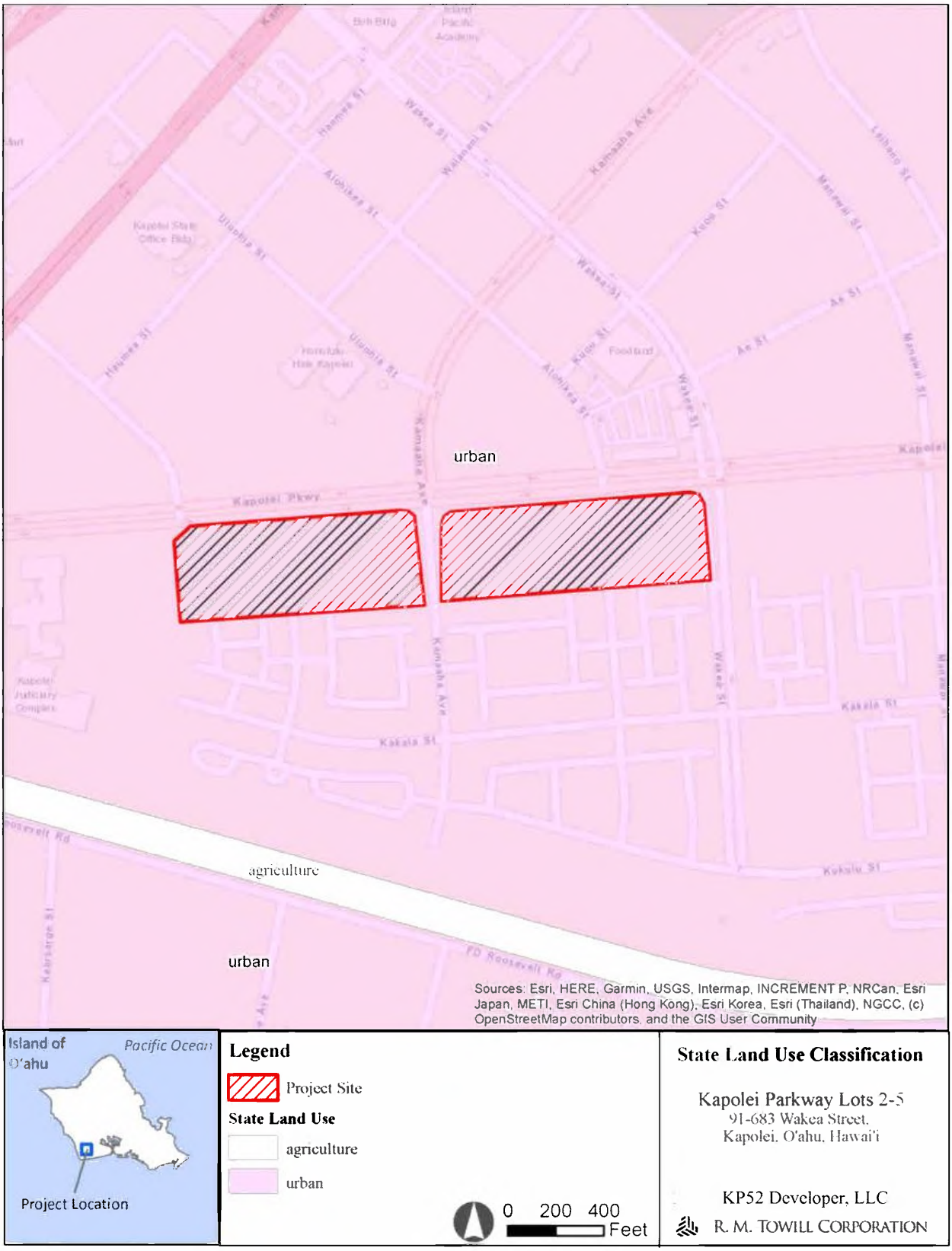


Figure 4. State Land Use District

7.2. O'ahu General Plan

The O'ahu General Plan was adopted in 1977 and has been subsequently amended (most recently in 2021). The O'ahu General Plan is a comprehensive statement of the long-range social, economic, environmental, and design objectives for the general welfare and property of the people of O'ahu. The objectives and policies are organized into 11 subject areas and are intended to guide and coordinate CCH land use plans and regulations, and budgeting policies and decisions for public facility capital improvements, operations and maintenance. The latest revisions focus on critical issues such as regional population, economic health, and affordable housing, while also addressing concerns such as climate change, sea level rise, and sustainability. The project is consistent with the applicable objectives and policies of the current O'ahu General Plan as described below.

I. Population

Objective B: To establish a pattern of population distribution that will allow the people of O 'ahu to live and work in harmony.

Policy 1: Facilitate the full development of the primary urban center through higher-density redevelopment and the provision of adequate infrastructure.

II. Balanced Economy

Objective G: To bring about orderly economic growth on O'ahu.

Policy 1: Concentrate economic activity and government services in the primary urban center and in the secondary urban center at Kapolei.

III. Natural Environment and Resource Stewardship

Objective A: To protect and preserve the natural environment.

Policy 4: Require development projects to give due consideration to natural features such as slope, inland and coastal erosion, flood hazards, water-recharge areas, and existing vegetation, as well as to plan for coastal hazards that threaten life and property.

IV. Housing and Communities

Objective A: To ensure a balanced mix of housing opportunities and choices for all residents at prices they can afford.

Policy 1: Support programs, policies, and strategies that will provide decent and affordable homes for local residents, especially those in the lowest income brackets.

Policy 3: Encourage innovative residential developments that result in lower costs, sustainable use of resources, more efficient use of land and infrastructure, greater convenience and privacy, and a distinct community identity.

Policy 12: Promote higher-density, mixed-use development where appropriate, including rail transit-oriented development, to increase the supply of affordable and market housing in convenient proximity to jobs, schools, shops, and public transit.

Policy 13: Encourage the production and maintenance of affordable rental housing.

Objective C: To provide residents with a choice of living environments that are reasonably close to employment, schools, recreation, and commercial centers, and that are adequately served by transportation networks and public utilities.

Policy 1: Ensure that residential developments offer affordable housing to people of different income levels and to families of various sizes to alleviate the existing condition of overcrowding.

Policy 2: Encourage the fair distribution of low- and moderate-income housing throughout the island.

Policy 3: Encourage the co-location of residential development and employment centers with commercial, educational, social, and recreational amenities in the development of desirable communities.

Policy 5: Support mixed-use development and higher-density redevelopment in areas surrounding rail transit stations.

V. Transportation and Utilities

Objective A – To create a multi-modal transportation system that move people and goods safely, efficiently, and at a reasonable cost and minimizes fossil fuel consumption and greenhouse gas emissions; serves all users, including limited income, elderly, and disabled populations; and is integrated with existing and planned development.

Policy 11: Enhance pedestrian-friendly and bicycle-friendly travel via public and private programs and improvements.

VI. 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 4: Facilitate and encourage compact, higher-density development in urban areas designated for such uses.

Policy 6: Facilitate transit-oriented development in rail transit station areas to create live/work/play multi-modal communities that reduce travel and traffic congestion.

Policy 9: Locate community facilities on site that will be convenient for people they are intended to serve.

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

Policy 2: Require the consideration of urban design principles in all development projects.

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

Policy 4: Provide design guidelines and control that will allow more compact development and intensive use of lands in the primary urban center and along the rail transit corridor.

Discussion: The project reflects the O'ahu General Plan's vision for compact, mixed use and transit oriented development within the along the rail transit corridor. The project will provide approximately 734 units of affordable housing. This mix of uses supports efficient land use and reduces reliance on automobiles by locating housing, jobs and services in close proximity to transit and existing infrastructure. Affordable housing in a central location promotes equity and housing diversity.

The design improves connectivity and walkability throughout the area and provides publicly accessible pedestrian passageways that improve walkability and access to public transit. These features create a safer and more convenient public realm and encourage pedestrian movement consistent with transit-oriented development principles.

7.3. 'Ewa Development Plan

The Project Site is part of the 'Ewa Development Plan (DP) prepared by the City and County of Honolulu, Department of Planning and Permitting. As described in the DP, the Project Site is located in the City of Kapolei, Mehana District. The development plan states:

*The **Mehana District**, located makai of Kapolei Parkway, should feature multi-family and single-family housing units in a series of distinct neighborhoods tied together by a network of pedestrian and bicycle paths.*

The proposed use of the subject property is consistent with the Mehana District designation. The 'Ewa Development Plan Land Use Map designates the site City of Kapolei (Urban) and is provided in **Figure 5.** The Project is consistent with this Land Use Map designation. The Project meets the following policies and goals of the 'Ewa DP:

1. ***'EWA'S ROLE IN O'AHU'S DEVELOPMENT PATTERN***

- *Provides for significant residential development throughout 'Ewa, consistent with the **General Plan**, to meet the needs of O'ahu's citizens;*
- *Provides for a variety of housing types from affordable units and starter homes to mid-size and larger multi-family and single-family units;*

  Discussion: The Project will help provide significant residential development in 'Ewa and specifically in the City of Kapolei. The project will provide a variety of housing sizes at different levels of affordability from affordable one to four bedroom units.

2. *THE VISION FOR 'EWA'S FUTURE*

2.2.7 Communities Designed to Support Non-Automotive Travel

The master planned residential communities will be designed or redeveloped to support pedestrian and bike use within the community and transit use for trips both within and outside of the community.

Discussion: The Project will provide bicycle stalls for its residents. The extension of the Honolulu Area Rapid Transit line is expected to follow along Kapolei Parkway fronting the Project Site, making transit use an easy convenient choice.

3. *LAND USE POLICIES AND GUIDELINES*

3.6 City of Kapolei

3.6.1 General Policies

- *Develop the City of Kapolei as the urban core, or the "downtown" for the Secondary Urban Center. It should accommodate a major share of the new employment in the Secondary Urban Center.*

Discussion: The Project will provide for the residential component of the new downtown for the Secondary Urban Center.

- *Allow the City of Kapolei to have a balanced mix of business and residential areas, complemented by the recreational, social and cultural activities of a city. Mixed use should be permitted and encouraged throughout most of the City area, in order to achieve the diversity and intensity of uses that characterize a city.*

  Discussion: The Project will help to balance the mix of business and residential areas in the City of Kapolei. This residential Project will introduce a needed affordable rental component to the mix of residential uses, in close proximity to the City Center.

- *Develop the City of Kapolei as a true city, encompassing a full range of urban land uses, and laid out in small blocks connected by a grid system of public streets. Exhibit 3.3 illustrates the street pattern and the planned land uses by district.*

  Discussion: The Project will provide an important affordable rental component helping create the full range of urban land uses intended for the City of Kapolei and the Project design will continue the small block grid system concept.

3.6.1.1 Districts

*The **Mixed Use Districts** should be of medium density, with buildings limited to 120 feet next to the City Center, dropping to 90 feet, and then 60 feet farthest from the City Center. Commercial development should be emphasized in the area adjoining City Center, along Kapolei Parkway, and adjoining the Hānu'a Street extension, while residential use should be emphasized makai of Kapolei Regional Park and near Fort Barrette Road.*

Discussion: The Project Site is in the Mixed Use District of the City of Kapolei and being situated makai of Kapolei Regional Park is intended for residential use and a 90-foot height. The Project will be developed at around 46 feet maximum height at a medium density apartment density.

3.9 Existing and Planned Residential Communities

***Medium Density Apartment** developments take the form of multi-story apartment buildings. They may be located in mixed-use zones, with the ground floor or lower floors occupied by retail and service commercial uses.*

Discussion: The Project will be developed at medium to higher density, as low-rise townhouse units.

3.9.1 General Policies

***Higher Density Housing Along the Transit Corridor** - To promote use of mass transit, develop higher-density residential use along a major rapid transit corridor linking Kapolei with Waipahu and Primary Urban Center communities to the east. Medium Density Apartment and Commercial uses should be developed at eight transit nodes. Each node would cover a 1/4 mile radius (about a five minute walking distance) around a major transit stop. Develop areas along the rapid transit corridor at housing densities of 25 units per acre, with greater densities encouraged within the eight transit nodes.*

Discussion: The Project is within a ¼ mile radius of one of the eight transit nodes shown on the Public Facilities Map (**Figure 6** and **Figure 7**) and is planned for a density of about 48 units per acre.

***Affordable Housing** — Require that thirty percent of the housing units in new residential developments be affordable to low and low-moderate income households.*

Discussion: The Project will be entirely affordable (except for six to eight managers units) at 30 to 60% AMI for 73 years.

Physical Definition of Neighborhoods *- Make the boundaries of neighborhoods evident through the use of natural features, street patterns, landscaping, building form, and siting. The focus of neighborhood activity should be on the local street or a common pedestrian right-of-way or recreation area.*

Discussion: The Project will be bounded by streets on all sides. Within the Project Site, building forms encompass the edges providing a distinct boundary between the neighborhood and surrounding areas.

- ***Community Centers*** *- In the Master Plan for each new residential community, identify where its village center, town center or "Main Street" area is and how that center or Main Street will be established and supported by any existing or planned commercial development.*

  Discussion: There are a mix of existing residential and commercial developments in the vicinity of the Project Site, including Parkway Village, a 405 unit affordable housing project developed by the same team. Across Kapolei Parkway, there is Kapolei Village Center (a shopping mall with grocery stores, restaurants, and personal services), Embassy Suites and Residence Inn (hotel services), Kapolei Lofts (a residential subdivision) and other retail and commercial services. The Project Site is located in the Village Center District and Mehana District located makai of the Kapolei Parkway. These districts are anchored by the Civic Center at one end and Ho'okele Elementary School at the other end. The Project is focused on providing affordable housing and directing its efforts towards that component.

Compatible Mix of Building Forms *- Use a variety of housing types and densities to avoid visual monotony and accommodate a variety of housing needs, but avoid sharp contrasts between the exterior appearance of adjacent housing areas.*

Discussion: The Project will provide three to four story affordable housing townhomes. The Project is adjacent to various subdivisions and retail including the Mehana subdivision and Kapolei Lofts with various housing types and densities. This will provide a break from the mid to high-rise structures expected closer to the town center, north of Kapolei Parkway.

Transit-Oriented Streets *- Design street patterns and rights-of-way to accommodate mass transit service and make it convenient to access for as many households as possible.*

Discussion: The Project is within a ¼ mile radius of one of the eight transit nodes shown on the Public Facilities Map (**Figure 6** and **Figure 7**). Additionally, vehicle, bicycle, and pedestrian thoroughfare is provided at the Project Site. Transit service

in the project vicinity is provided by the Oahu Transit Services "The Bus". In the vicinity of the project site, a bus stop is located near the intersection of Kakala Street and Kamaaha Avenue. Additionally, the Kapolei Transit Center is approximately half a mile north of the project site and may be accessed via pedestrian facilities along Wakea Street and Alohikea Street.

Connectivity *- Minimize dead end streets, provide for intersections at regular intervals, and connect with adjacent development. Allow roadway cross-sections within new residential developments to be reduced from current standards where higher capacity is provided by multiple alternative routes.*

Discussion: Vehicle and pedestrian thoroughfare is provided around the Project Site along Kapolei Parkway, Wakea Street, Kamaaha Avenue and Alohikea Street. Alohikea Street bisects the Project Site and provides connections from Kapolei Parkway to Kekala Street.

Pedestrian and Bicycle Travel *- Encourage pedestrian and bicycle travel, particularly to reach neighborhood destinations such as schools, parks, and convenience stores. At a minimum, provide pedestrian and bikeway connectivity, where roadway connectivity is deemed not feasible, to allow direct travel through the community and to neighborhood districts.*

Discussion: Pedestrians are able to travel on the existing and proposed roadways through and around the Project Site. Bicycle lanes are provided in both directions of Kapolei Parkway and sharrows are provided on Wakea Street. The project will continue Village Walk from the Parkway Village connection throughout the project site.

Integration of Linear Corridors *- Encourage physical and visual connections between communities through the creative design of transportation and utility corridors and drainage systems.*

Discussion: The Project will provide linear corridors along Wakea Street, Kamaaha Avenue, and Alohikea Street connecting Kapolei Parkway to the Mehana subdivision.

Provision of Community Facilities *— Provide land for community facilities including churches; community centers, and elderly and child care centers.*

Discussion: On Lot 4, a ground floor space is designated as a flexible use area that may accommodate a range of potential uses, including a preschool. The space is intended to provide flexibility to support the needs of the project and surrounding area over time. If developed as a preschool, the space is anticipated to accommodate up to 80 students and may include up to nine dedicated parking

stalls. The Applicant is providing community facilities on all four lots, each with a recreation room to support resident gathering, informal use, and on-site amenity needs.

3.9.2 Guidelines

Medium Density Apartment

Location

In general, locate medium-density apartment buildings in large planned residential communities, adjacent to major collector streets, commercial or civic centers.

Develop medium-density apartment as the predominant form of housing in and near the City of Kapolei and around transit nodes on the planned rapid transit corridor between Waipahu and Kapolei.

Discussion: The Project will be located adjacent to the major street Kapolei Parkway, and major pedestrian connectors Kamaaha Avenue, and Alohikea Street. Additionally, the Project is within a ¼ mile radius of one of the eight transit nodes shown on the Public Facilities Map (**Figure 6** and **Figure 7**)).

Density

Allow building density of 25 to 90 units per acre.

Discussion: The Project will provide 734 units over about 15.2 acres with a building density of approximately 48 units per acre.

Height

Limit building heights to not exceed 150 feet in the City of Kapolei and the Ko Olina Resort and 90 feet elsewhere. Taller building heights are intended to allow higher densities, create variation in the cityscape, give a visual sign of transit nodes, and identify the City of Kapolei's importance as a regional center.

Discussion: The Project will be developed at approximately 46 feet maximum height.

Architectural Character

Allow building scale, roof form and the quality of materials to reflect an urban character.

Discussion: The Project's general building scale, roof form and the quality of materials will be similar to the existing Kapolei Lofts to the north and Mehana subdivision to the south and Parkway Village to the east.

Height Setbacks

Employ building height setbacks and landscaping to reduce the direct visibility of taller buildings from lower density residential areas and from the street front. Allow lower building elements to directly abut the street front.

Discussion: The Project will comply with building setbacks in accordance with the LUO.

'Ewa Public Infrastructure Map

The Public Infrastructure Map (PIM) identifies major public infrastructure projects that impact growth policies or needed public facility policies within each geographic planning region pursuant to ROH Section 4-8, Public Infrastructure Maps. 'Ewa has two PIMs. The PIM, dated April 5, 2000, indicates all types of public improvement projects identified in ROH Section 4-8.3, Types of public infrastructure to be shown on public infrastructure maps. The Supplemental PIM Map, dated 2008, indicates only rail corridor improvements. See **Figure 6** and **Figure 7**.

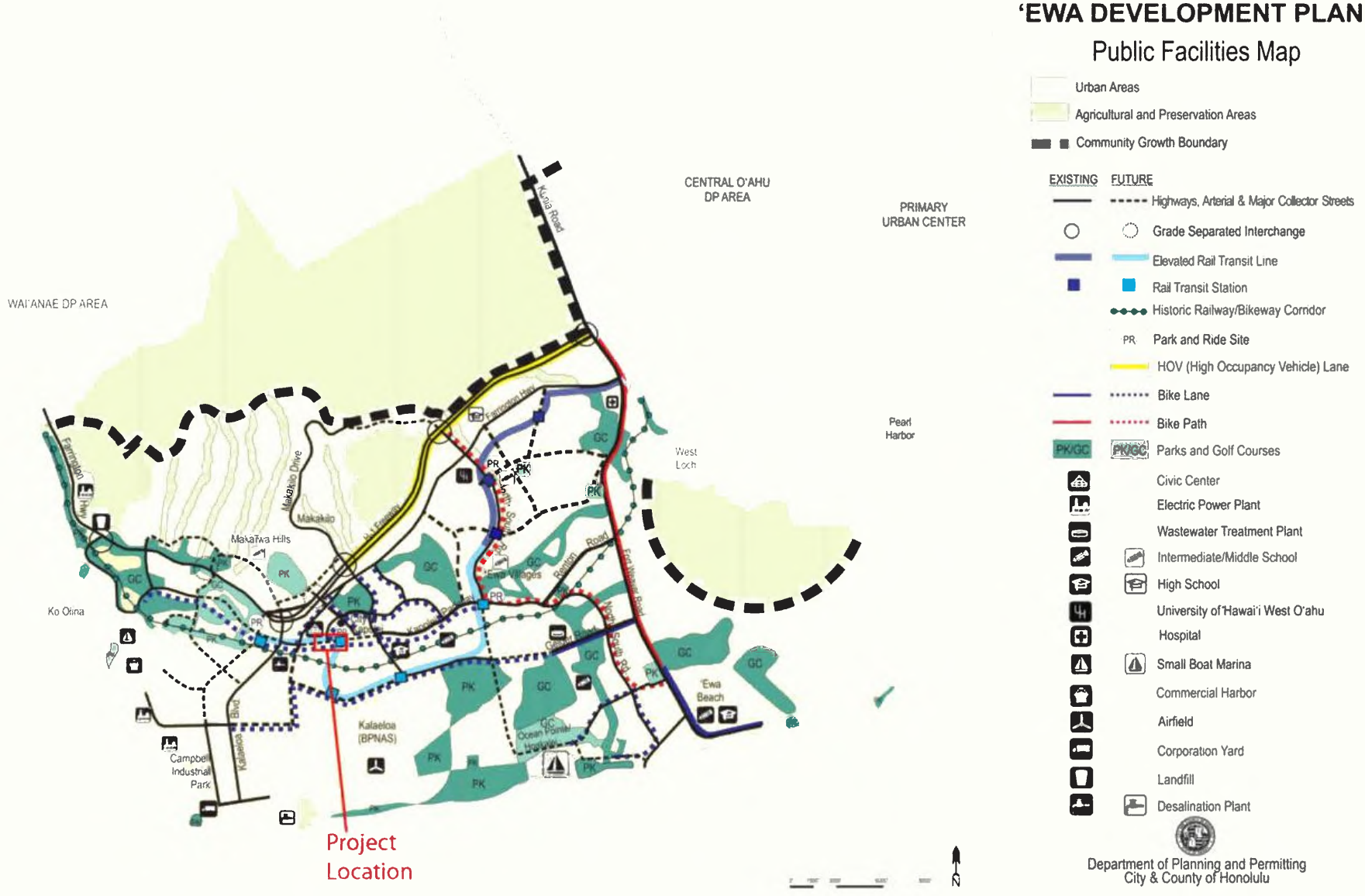


Figure 5. 'Ewa Development Plan – Public Facilities Map

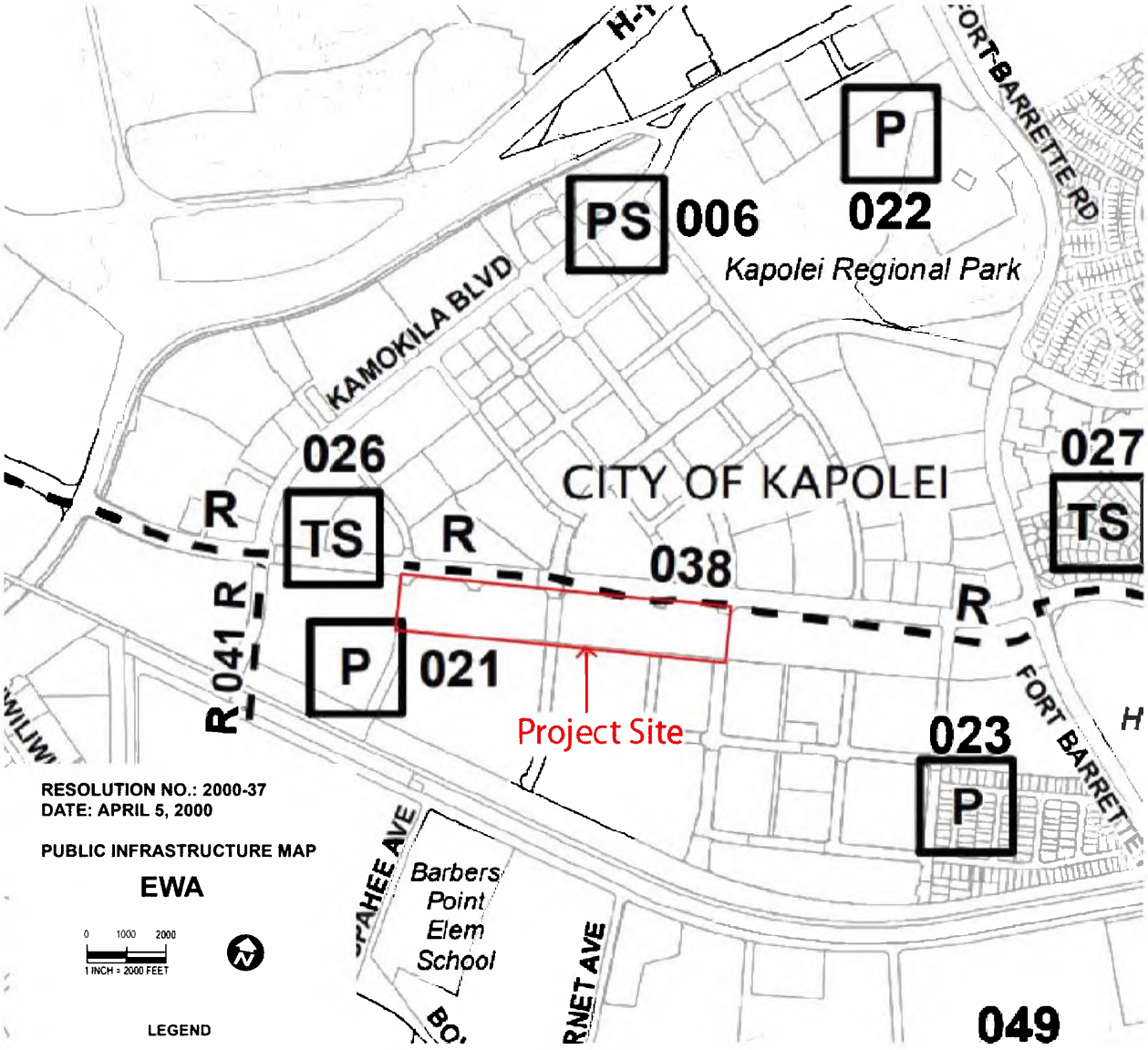


Figure 6. Public Infrastructure Map

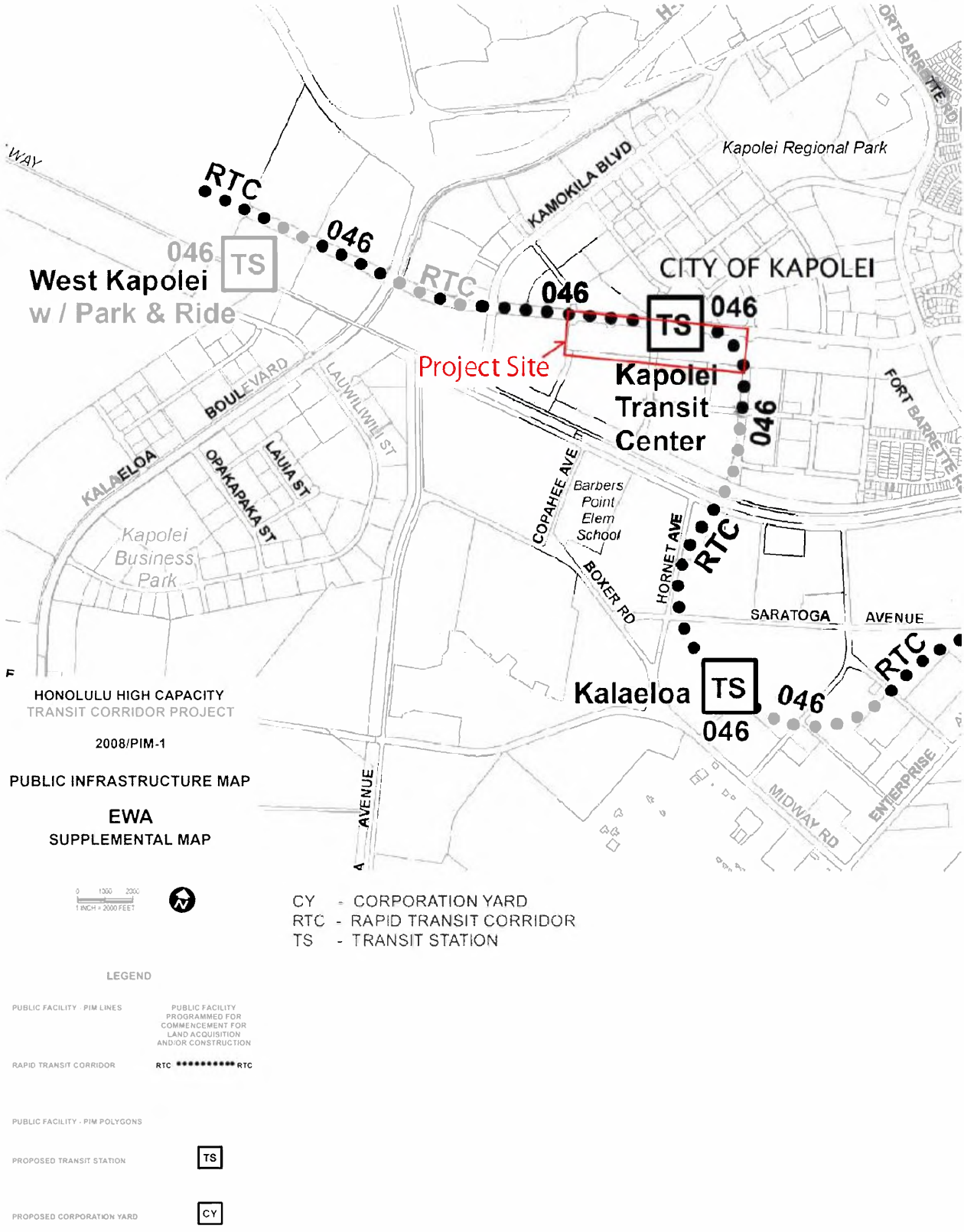


Figure 7. Supplemental Public Infrastructure Map

7.4. City and County of Honolulu Zoning District

The land uses within the CCH jurisdiction are regulated under ROH Chapter 21, *Land Use Ordinance* or LUO. The purpose of the LUO, as stated in ROH Section 21.1.20, is to:

> *...regulate land use in a manner that will encourage orderly development in accordance with adopted land use policies, including the O'ahu general plan and development plans, and to promote and protect the public health, safety and welfare.*

The project site is located in the BMX-3 Community Business Mixed Use zoning district. See **Figure 8.** The intent of the BMX-3 zoning district, as defined in ROH Section 21-3.120(b), *Business mixed-use districts – Purpose and Intent*, is as follows:

> *The intent of the BMX-3 community business mixed-use districts is to provide areas for both commercial and residential uses outside of the central business mixed use district and at a lower intensity than the central business mixed use district. Typically, this district would be applied to areas along major thoroughfares adjacent to B-2, BMX-4, A-3, AMX-2 and AMX-3 zoning districts. It is also intended that it be applied to areas where the existing land use pattern is already a mixture of commercial and residential uses, occurring horizontally, vertically or both.*

The proposed residential housing units and ground floor space that may accommodate a preschool are permitted uses within the BMX-3 zoning district per LUO, Sec. 21-3, Table 21-3, "Master Use Table". **Table 13** identifies the development standards for the BMX-3 zoning district compared to the proposed Project.

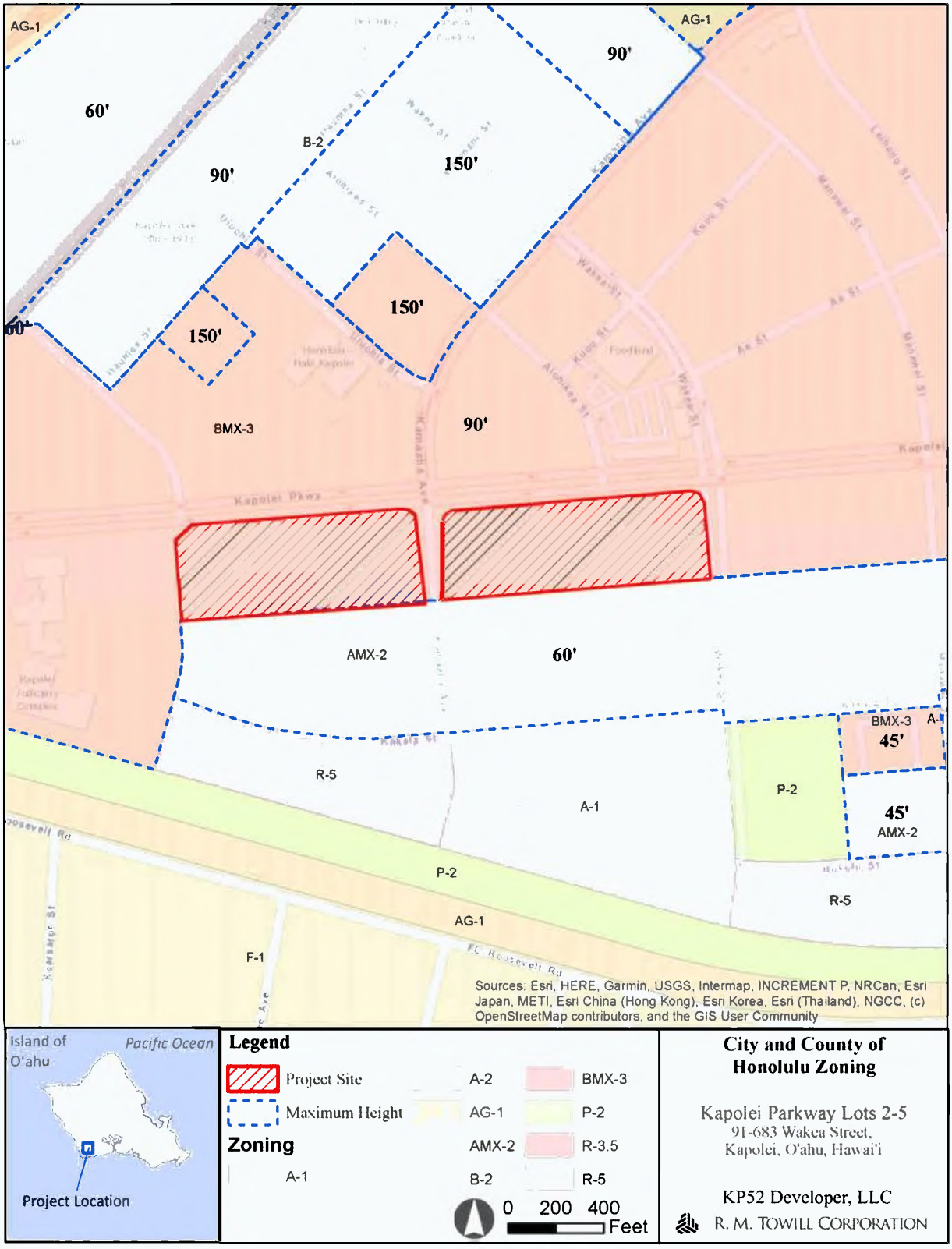


Figure 8. City and Couty of Honolulu Zoning Map and Height Limit

Table 13: City and County of Honolulu Development Standards

Development Standard		BMX-3 Development Standard	Proposed
Minimum Lot Area (sf)		5,000	Total 630,554 Lot 2: 133,940 Lot 3: 162,928 Lot 4: 201,484 Lot 5: 132,201
Minimum Lot Width and Depth (ft)		50 feet	Complies
Yards (feet)	Front	10 for dwellings, 5 for other uses[4]	10 feet
	Side and Rear	5[2] for detached dwellings, 10 for multifamily dwellings, 0[3] for other uses.	10 feet
Maximum Building Area (percent of zoning lot)		Not Regulated	N/A
Maximum Density (FAR)		2.5 (1,115,897 sf)	Total: 1.22 (766,710) Lot 2: 1.27 (169,760) Lot 3: 1.21 (196,260) Lot 4: 1.15 (231,265) Lot 5: 1.28 (169,425)
Open Space Bonus	Available	Yes See Sec. 21-3.120-2(c)	N/A
	Max FAR	3.5	N/A
Maximum height (feet)		90 feet	46 feet
Height Setbacks		Per Sec. 21-3.120-2(c) Within the BMX-3 district, any portion of a structure over 40 feet in height must have additional height setbacks as follows: (A) For each 10 feet of additional height or portion thereof, an additional one-foot setback must be provided; and (B) The additional setback must be a continuous plane from the top of the structure to the height of 40 feet above grade	Complies (See **Appendix 3**)

sf = square feet

ft = feet

[2]For duplex lots, 5 feet for any portion of any structure not located on the common property line; the required side yard is zero feet for that portion of the lot containing the common wall.

[3]Where the side or rear property line of a zoning lot adjoins the side or rear yard of a zoning lot in a residential, apartment or apartment mixed use district, there shall be a side or rear yard which conforms to the yard requirements for dwelling use of the adjoining district. In addition, see Section 21-4.70-1 for landscaping and buffering requirements.

[4]Where a zoning lot adjoins a residential, apartment or apartment mixed use district and forms a continuous front yard, the lot or the first 100 feet of the lot (whichever is less) shall conform to the front yard requirements for the dwelling use of the adjoining district (see Figure 21-3.6).

Section 8. Requested Exemptions and Deferrals

The requested exemptions are necessary to enable the delivery of a high-quality, high-density affordable housing project in a transit-oriented location. The primary objective is to reduce the per-square-foot cost of development to achieve this financial feasibility. If this is achieved, the Project will be able to maximize the number of quality affordable units.

The following table includes requested exemptions and deferrals pursuant to HRS, Chapter 201H. The requested fee values are only estimates and may be further adjusted upon the submission of the Building Permit applications and certification of the Project's affordable units

Each requested exemption is targeted and necessary to enable efficient site planning while maintaining consistency with the intent of applicable regulations.

Table 14. Requested Exemptions and Deferrals

Standard	Relevant Section	Requirement	Requested Exemption	Est. Value	Agency
Land Use Ordinance					
Bicycle Stalls	ROH Section 21-6.40	75 short -term and 368 long-term	56 short-term and 385 long-term	N/A	DPP
Justification: The requested modification to bicycle parking requirements is necessary to improve project feasibility and maximize the number of affordable units. Providing the full LUO-required bicycle stalls could potentially increase construction costs without a corresponding demand, particularly given the project's unit mix and anticipated use. The proposed bicycle parking exceeds the required long-term stalls and will meet anticipated usage.					
Vehicle Stalls	ROH Section 21-6.20	Not required	--	N/A	DPP
Justification: In an abundance of caution, the Applicant is clarifying that the project will provide approximately 998 vehicle stalls throughout Lot 2 to Lot 5. The proposed parking supply is intended to meet anticipated resident demand and support long-term occupancy.					
Subdivision					
Subdivision Requirement / Joint Development Agreement (JDA)	ROH Chapter 22 (Subdivision Ordinance) and LUO provisions related to joint development and zoning lot compliance	Subdivision approval required for separate development of parcels and/or compliance with JDA requirements to allow shared access, circulation, and development	Exemption from subdivision requirements and/or execution of a JDA to allow the Project to be developed and function as a single zoning lot with shared access, circulation, and	N/A	DPP

Standard	Relevant Section	Requirement	Requested Exemption	Est. Value	Agency
		standards across multiple zoning lots	infrastructure across Lots 2 through 5.		
Justification: The Applicant requests an exemption from subdivision requirements and, if applicable, the execution of a JDA, to allow the Project to be designed and operated as a unified development across Lots 2 through 5. The Project site is part of a larger Tax Map Key and is planned as an integrated affordable housing community with shared circulation, access, and infrastructure systems, including Village Walk and internal driveways. Requiring subdivision or a formal JDA would introduce unnecessary administrative complexity without providing a corresponding planning or public benefit. The Project is designed to function as a cohesive development, with shared access, parking, pedestrian connections, and utility systems serving multiple lots in a coordinated manner. Treating the Project as a single zoning lot supports efficient site planning and design flexibility, including the coordinated distribution of building massing, circulation, and open space. It also allows for efficient allocation of floor area and development capacity consistent with the Project's affordable housing objectives. The requested exemption does not alter the functional development of the site and will not result in adverse impacts to infrastructure, access, or surrounding properties.					
Park Dedication Requirement	ROH Section 22-7		Exemption from Park Dedication requirements.	$1,958,990	DPP
Calculation:	Park Dedication Requirement 110 sf per unit x 734 units = 80,740 sf		Estimated Value (Requested Exemption) 80,740 sf x $24.26/sf = $1,958,990 *$/sf based on 2025 Tax Assessed Value/lot area		
Justification: In lieu of the park dedication requirement, the Project incorporates distributed on-site recreational amenities across all four lots, including community rooms and open gathering spaces designed to serve residents of all age groups. These facilities provide accessible, proximate recreational opportunities that reduce reliance on off-site park resources while supporting the livability of the development. Requiring full park dedication fees would significantly impact project feasibility and reduce the number of affordable units delivered.					
Plan Review and Permit Fees					
Plan Review Fees	ROH Section 18-6.1, "Plan Review Fees"	Fee	Exemption from plan review fees	$100,000 ($25,000 per lot)	DPP
Building Permit Fees	ROH Section 18-6.2, "Building Permit Fees" (Table 18-A or the ROH)	Fee	Exemption from building permit fees (including demolition, building, foundation, plumbing, electrical, fire sprinkler, etc.)	$1,739,476 (for all 4 lots)	DPP
Grading and Grubbing	ROH Section 18A-2.4 "Permit Fees"	Fee	Exemption from grading and grubbing fees	$2,020 ($505 per lot)	DPP
Special Assignment Inspection Fee	ROH Section 18 (Table 18-A of the ROH)	Fee	Exemption from SAI fees	$800 (approx. 4)	DPP

Standard	Relevant Section	Requirement	Requested Exemption	Est. Value	Agency
Stormwater Quality Review and Erosion Control and Sediment Plan Review	ROH Section 18A-1.6(d), "Erosion and Sediment Control Plans"	Fee	Exemption from ESCP review fee	**$1,000** ($250 per lot)	DPP
Trenching	ROH Section 14-2.1, "Permit required – Application - Insurance – Bond - Permit fee"	Fee	Exemption from trenching, repair and service permit fees	$780 ($195 per lot)	DPP
Fire Department Plan Review Fees	ROH Section 20-1.1(3), "Amending Section 1.12.8 Fire Plans Review Fee"	Fee	Exemption from fire plan review fee	$173,947 (for all 4 lots, 10% of building permit fees)	HFD
Utility Fees					
Wastewater System Facility Charges	ROH Section 43-10.1 to 10.3	Fee	Exemption from payment of wastewater facility charges	$3,399,301	ENV
Water System Connection and Facility Charges	Sections 1-102, 2 and 202(2) of the Board of Water Supply Rules and Regulations	Fee	Deferral from payment of water system facility charges, and installation of water service fees until the installation of the water meter. The actual fees to be deferred will be determined by the BWS during building permit review.	Approx. $2,000,000	BWS
Storm Drain Connection	ROH Section 14-12.12, "Connection to city-owned separate storm sewer system—Violation"	Fee	Exemption from storm drain connection license fee to facilitate the achievement of Project economic feasibility	$200	DPP

Section 9. Schedule, Budget, and Operation

9.1. Development Schedule

The Project's proposed development schedule is provided in **Table 15.**

Table 15. Development Schedule

Item	Date
Entitlement 201H	March 2026 - Nov 2026
Design	September 2025 – November 2027
LIHTC & Other Financing	February 2026 – October 2030
Construction	October 2027 – December 2031
Occupancy	July 2029 – March 2032

9.2. Development Cost

The Project's proposed development budget is provided in **Table 16**.

Table 16. Development Budget

Development Budget	Cost
Land Costs	$300
Construction Costs	$380,702,367
Construction Contingency	$29,648,943
Soft Costs	$66,037,542
Financing	$31,396,723
Operating Reserve	$7,109,324
Developer Fee	$59,408,473
Total	**$574,303,672**

Financing

A summary of potential financing sources is provided in **Table 17.**

Table 17: Financing Sources

Sources	Cost
LITHC	$122,985,344
Hula Mae	$161,999,365
RHRF	$161,260,708
Taxable Senior Debt	$75,640,409
Deferred Developer Fee	$50,597,295

Deferred Costs	$1,820,550
Total	**$574,303,672**

Operating Subsidies

The following subsidies are being considered or will be awarded.

- Real Property Tax Exemption
- GET Tax Exemption on Affordable Units
- GET Tax Exemption on Construction Costs

9.3. Project Management Plan

The Applicant has prepared a Preliminary Management Plan which sets forth an outline of procedures and guidelines to follow in the management of the Kapolei parkway Lots 2-5. The proposed project will be professionally managed by Indigo Real Estate Services, Inc. The management plan is provided in **Appendix 10.**

9.4. Affordable Housing Agreement

The Applicant intends to execute a 201H Agreement with the City to ensure ongoing compliance with 201H requirements.

9.5. Rental Rates and Monthly Utility Costs

The Project will provide approximately 734 low-income rental units for families earning up to 60% of the Area Median Income (AMI). The 2026 maximum allowance for monthly rentals at the 30% to 80% AMI categories is provided in the following table. The maximum monthly rental includes the monthly utilities. See **Table 18.**

The Applicant intends to utilize an AMI averaging approach, whereby the overall project maintains an average affordability level at or below 60% AMI, while allowing for a limited number of units at higher AMI levels, up to 80% AMI. This approach provides flexibility to accommodate changes in residents' household income over time, allowing existing residents to remain in place if their income increases, thereby promoting housing stability. The inclusion of lower AMI units within the project will ensure that the overall affordability requirement is maintained through averaging, consistent with applicable guidelines.

Table 18. Monthly Rental Rates

AMI	Unit Monthly Rental with Utility Expenses				
	Studio	**1 Bedroom**	**2 Bedroom**	**3 Bedroom**	**4 Bedroom**

30% AMI	$808	$866	$1,039	$1,201	$1,340
50% AMI	$1,347	$1,443	$1,732	$2,002	$2,233
60% AMI	$1,617	$1,732	$2,079	$2,403	$2,680
80% AMI	$2,156	$2,310	$2,772	$3,204	$3,574

The maximum rent for 30%, 50, 60%, and 80% AMI provided in **Table 18** was derived from tables published by the Hawaii Housing Finance & Development Corporation (HHFDC) based on U.S. Department of Housing and Urban Development (HUD) and U.S. Census Bureau data in 2026. The maximum rent guidelines are updated by HHFDC annually. See **Appendix 11**.

Maximum 2026 income by household to qualify for the three AMI categories is provided in **Table 19**.

Table 19. Annual Income ($) Schedule by Family Size

AMI	Family Size						
	1	2	3	4	5	6	7
30% AMI	32,340	32,340	32,340	32,340	32,340	32,340	32,340
50% AMI	53,900	53,900	53,900	53,900	53,900	53,900	53,900
60% AMI	64,680	64,680	64,680	64,680	64,680	64,680	64,680
80% AMI	86,240	86,240	86,240	86,240	86,240	86,240	86,240

The annual income schedule by family size provided in **Table 19** was derived from tables published by the HHFDC based on HUD and U.S. Census Bureau data in 2026. The income schedule is updated by HHFDC annually. See **Appendix 11**.

The Applicant will adhere to the latest applicable guidelines published by HHFDC throughout the affordability term.

9.6. Applicant's Experience

The Applicant's resume, experience, and references detailing their experience developing affordable housing is provided in **Appendix 12.**

Section 10. Conclusion

The Applicant respectfully requests approval of this Application for Affordable Housing Exemptions pursuant to Chapter 201H, Hawai'i Revised Statutes. The Project will deliver approximately 734 affordable rental units in a location consistent with the City's long-range planning objectives and transit-oriented development goals.

The requested exemptions and flexibilities are limited, targeted, and necessary to support project feasibility, efficient site planning, and maximum delivery of affordable housing units. The Project has been designed to be compatible with surrounding uses, supported by adequate infrastructure, and responsive to community input to the extent practicable.

The Project represents a well-planned and supportable development that is consistent with applicable policies and can be served by existing infrastructure and public services. The Applicant respectfully requests that the Department of Planning and Permitting recommend approval of the Project to the Honolulu City Council.

Section 11. References

AECOS, Inc. (AECOS), 2025. Letter to Elton Wong, Kobayashi Group.

City and County of Honolulu, Department of Planning and Permitting (DPP), 2021. O'ahu General Plan. November.

City and County of Honolulu, Department of Planning and Permitting (DPP), 2013. 'Ewa Development Plan, as amended 2020.

Cultural Surveys Hawai'i, Inc., 2025. Archaeological Literature Review and Field Inspection for the Kapolei Parkway Lots 2–5 Project, Honouliuli Ahupua'a, 'Ewa District, O'ahu, TMK (1) 9-1-160:064 (por.). October.

Federal Emergency Management Agency (FEMA), 2011. Flood Insurance Rate Map (FIRM), Map No. 15003C0310G. Effective January 19, 2011.

Ford & Associates, Inc., 2025. Phase I Environmental Site Assessment and Phase II Surface Soil Investigation. December 19.

Hawai'i Climate Commission, 2022. Hawai'i Sea Level Rise Vulnerability and Adaptation Report (2022 Update).

Hawai'i State Legislature, 2012. Senate Bill 2745, Relating to the Environment.

International Pacific Research Center (IPRC), 2014. Annual Report 2013–2014.

National Oceanic and Atmospheric Administration (NOAA), 2026. Climate data for Cooperative Weather Station 'Ewa Plantation No. 741. Accessed March 6, 2026.

R. M. Towill Corporation, 2026. Preliminary Engineering Report, Kapolei Parkway Lots 2–5. March.

State of Hawai'i, Department of Business, Economic Development and Tourism (DBEDT), and Hawai'i Housing Finance and Development Corporation (HHFDC), 2025. Honolulu County Income Schedule by Family Size.

U.S. Department of Agriculture (USDA), Natural Resources Conservation Service, in cooperation with the University of Hawai'i Agricultural Experiment Station, 1972. Soil Survey of the Islands of Kaua'i, O'ahu, Maui, Moloka'i, and Lāna'i.

U.S. Environmental Protection Agency (USEPA), 2011. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2011.

Wilson Okamoto Corporation, December 2025. Traffic Impact Report, Kapolei Parkway Lots 2–5 Development.

Appendix 1

Chapter 343 Exemption Form

DEPARTMENT OF HOUSING AND LAND MANAGEMENT
KA 'OIHANA HO'OLĀLĀ KŪKULU HALE A ME KA HO'OKELE 'ĀINA
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, FLOOR 3 • HONOLULU, HAWAI'I 96813
PHONE: (808) 768-4277 • FAX: (808) 768-4296 • WEBSITE: www.honolulu.gov/dhlm

RICK BLANGIARDI
MAYOR
MEIA

KEVIN D. AUGER
DIRECTOR
PO'O

CATHERINE A. TASCHNER
DEPUTY DIRECTOR
HOPE PO O

February 13, 2026

Ms. Mary Alice Evans, Director
Environmental Review Program
Office of Planning and Sustainable Development
235 S. Beretania St., Rm. 702
Honolulu, Hawaii 96813

Dear Director Evans:

SUBJECT: Exemption Notice for Kapolei Parkway Lots 2-5
Located at 91-683 Wakea Street, Kapolei, Hawaii
TMK: (1) 9-1-160: Portion of 064 Lots 2 and 3 (7.505 acres) and 4 and 5 (7.888 acres)

The Department of Housing and Land Management hereby submits the following Exemption Notice for the Kapolei Parkway Lots 2-5 Affordable Housing development.

AGENCY OR APPLICANT ACTION:

Check applicable box

☐ This exempted action is an agency action as defined by Section 343-5(b), Hawai'i Revised Statutes (HRS), and Section 11-200.1-8, Hawai'i Administrative Rules (HAR),

☒ This exempted action is an applicant action as defined by Section 343-5(e), HRS, and Section 11-200.1-9, HAR

EXEMPTION TYPE:

The Exemption Notice for the action described below is based on the general types enumerated in Section 11-200.1-15(c), Hawai'i Administrative Rules (HAR), Exemption Type **10**.

DESCRIPTION OF ACTION

Proposing Agency or Applicant: Kobayashi Group and Āhē Group

Project Name & Address/Location: Kapolei Parkway Lots 2-5 Affordable Housing, Located at 91-683 Wakea Street, Kapolei, Hawaii

Anticipated Start Date: 2nd Quarter 2027

Anticipated End Date: 4th Quarter 2031

Island and District: O`ahu, Kapolei

Tax Map Key(s) and other geolocation means: (1) 9-1-160: Portion of 064 [Lots 2 and 3 (7.505 acres) and 4 and 5 (7.888 acres)]

All Necessary Permits and Approvals: The development may require the following governmental permits or approvals:

City: Building Permits; Special Assignment Inspections; Stormwater Quality Review and Erosion Control and Sediment Plan Review; Trenching Permit; Storm Drain Connection Permit; Sewer Connection Application, Construction Plan Approval; Certificate of Occupancy, and a Conditional Use Permit – Minor for Joint Development or Consolidation through Subdivision.

State: NPDES Permit and Community Noise Permit.

City Council: 201H Approval by Resolution.

NARRATIVE

Describe the action and why it qualifies for the exemption:

The proposed project is the development of approximately 750 affordable rental units in Kapolei consisting of low-rise residential buildings, each three to four stories in height with three-story parking structures located internally. This will be a mixed-use project with the potential for a preschool and commercial space.

The project site, commonly referred to as Lots 2, 3, 4, and 5, includes the portion of TMK (1) 9-1-160: 064 on the makai side of Kapolei Parkway between and including Kealakapu Street and Wakea Street. A summary of the project site is provided in the table below.

Tax Map Key	(1) 9-1-160: 064 (por.)
Approx. Land Area	Lots 2 and 3: 7.505 acres Lots 4 and 5: 7.888 acres Total: 15.393 acres
Land Ownership	City and County of Honolulu
Zoning	BMX-3 Community Business Mixed Use
State Land Use	Urban
Development Plan	Ewa Development Plan
Height Limit	90 feet
Special District	Not in Special District

Special Management Area	Not in Special Management Area
Council District	#1 - Andria Tupola
Neighborhood Boards	#34 - Makakilo-Kapolei-Honokai Hale

The project will be processed under HRS Chapter 201H, which offers flexibility in design and permitting requirements to projects created for lower and moderate-income households. The affordable units will be designated for households averaging 60% AMI or below (Some units may rent up to 80% AMI but project average must be 60% AMI or below). The project would meet the City and County of Honolulu's requirements for processing under the 201H Program.

HAR Chapter 11-200.1-15, "General types of actions eligible for exemption", states the following:

"(c) The following general types of actions are eligible for exemption:

* * *

(10) New construction of affordable housing, where affordable housing is defined by the controlling law applicable for the state or county proposing agency or approving agency, that meets the following:

(A) Has the use of state or county lands or funds or is within Waikiki as the sole triggers for compliance with chapter 343, HRS;

(B) As proposed conforms with the existing state urban land use classification;

(C) As proposed is consistent with the existing county zoning classification that allows housing; and

(D) As proposed does not require variances for shoreline setbacks or siting in an environmentally sensitive area, as stated in section 11-200.1-13(b)(11)."

The project meets the standards for an exempt type of action as described below.

(A) The use of state financing, including Rental Housing Revolving Fund (RHRF), Hula Mae Multi-Family Program (HMMF) funds, and Low-income Housing Tax Credits (LIHTC), would be the sole trigger for the Project's compliance with HRS, Chapter 343.

(B) The project is within the "Urban" State land use classification

(C) The project site is zoned "BMX-3 Business Mixed Use" by the City. Multi-unit dwellings are a permitted use in the BMX-3 district. The proposed construction of affordable rental units is consistent with this designation.

(D) The Project would not require variances for shoreline setbacks nor is it sited in an environmentally sensitive area.

RECEIVING ENVIRONMENT

Describe the site, including any impacts on the receiving environment:

The project site is presently vacant, unimproved land. The project will conduct land disturbing activities on the 15.393 acre site. The proposed affordable housing development will include three to four story low-rise residential buildings, a parking garage, vehicle and bicycle parking, pedestrian paths, outdoor open spaces and other community uses may include a preschool and commercial space which could reduce the number of affordable units.

ENVIRONMENTAL ANALYSIS

I have considered the potential effects of the proposed project and all related activities against the criteria checked below:

	Not Applicable
☒ Land Use and Zoning Conformance	☐
☒ Traffic (Vehicles, Bicycles, Pedestrian)	☐
☒ Infrastructure (Roads, Buildings, Utilities)	☐
☒ Air Quality Pollutant Emissions	☐
☒ Noise Emissions	☐
☒ Solid, Hazardous, and Liquid Waste Management	☐
☒ Social	☐
☒ Economic	☐
☒ Health and Safety	☐
☒ Recreation	☐
☐ Public Beach Access	☒
☒ Cultural Resources and Practices	☐
☒ Visual/Aesthetic	☐
☒ Environmental Justice	☐
☒ Rare, Threatened, and/or Endangered Species	☐
☒ Surface and Ground Water Resources	☐
☐ Wetlands	☒
☒ Floodplains	☐
☐ Riparian/Coastal Resources	☒
☐ Other	☒

Comments/summary of impact analysis: No significant impact is anticipated

MITIGATION

Describe all mitigation measures and best management practices planned to address impacts during the project activities and after project completion:

The project will include best management practices and appropriate mitigation measures in accordance with regulatory permits and approvals.

CONSULTATION

The following parties have been consulted about this declaration exemption (Name, affiliation, consultation date): City and County of Honolulu, Department of Planning and Permitting. Date: December 16, 2025

EXEMPT DECLARATION

The direct, cumulative, and potential impacts of the action described above have been considered pursuant to Chapter 343, Hawai'i Revised Statutes and Chapter 11-200.1, Hawai'i Administrative Rules. I declare that the action described above will have minimal or no significant impact on the environment and is therefore exempt from the requirement to prepare an environmental assessment.

If you have any questions, please contact Kevin D. Auger, Director of the Department of Housing and Land Management, at (808) 768-4277.

Kevin D. Auger, Director
Department of Housing and Land Management

Date 2/13/2026

This document is to be kept on file in the agency's records and made available for public review

☒ Please check here if this document is being submitted to the Office of Planning and Sustainable Development for voluntary publication in *The Environmental Notice*

Appendix 2

2A: Request for 201H Eligibility, 2B: Concurrence of Determination – Chapter 343 Requirements and 201H Eligibility

2024 North King Street
Suite 200
Honolulu Hawaii 96819-3494
Telephone 808 842 1133
Fax 808 842 1937
eMail rmtowill@rmtowill.com

R. M. TOWILL CORPORATION
SINCE 1930

Planning
Engineering
Environmental Services
Photogrammetry
Surveying
Construction Management

January 27, 2026

Ms. Dawn Takeuchi Apuna, Director
City and County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, Hawai'i 96813

Attention: Mr. Alex Beatty

Dear Ms. Takeuchi Apuna:

Determination of Eligibility
Kapolei Parkway Lots 2 – 5 – HRS 201H Application
91-683 Wakea Street, Kapolei, Hawaii, (1) 9-1-160: 064 (por.)
HNL Build – 2026/AH-1

On behalf of the Applicants, Kobayashi Group and Ahe Group, we respectfully submit this Determination of Eligibility under HRS 201H for the proposed Kapolei Parkway Lots 2 - 5 affordable housing development.

The current concept provides approximately 750 affordable rental homes in low rise residential buildings with parking structures located internally. The total unit count is approximate and will be refined through design, entitlement, and financing. Units are planned to be affordable to households up to 80 percent of area median income, with an overall income average targeted at or below 60 percent of area median income.

The EA/EIS exemption is being prepared by City, DHLM and is anticipated to be completed in early February.

Should you have any questions or need additional information, please contact me at (808) 748 7431 or isaiahs@rmtowill.com.. Mahalo for your consideration.

Very truly yours,

Isaiah T. K. Sato

Isaiah T. K. Sato

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING AND PERMITTING (DPP)

201H Program Determination of Eligibility Form

Applicant Name and Contact Information	Kobayashi Group and Ahe Group Ms. Wendy Matsukawa wendy@kobayashi-group.com (808) 692-0044
Project Name, Address, and Tax Map Key	Kapolei Parkway Lots 2 - 5 91-683 Wakea Street, Kapolei, Hawaii (1) 9-1-160: 064 (por.)

1. Housing Affordability

i. Target Households and Affordable Units

Affordable Units 80% through 30% AMI as long as the total LITHC income averaging remains at or below 60% AM		
Restricted at % of AMI*	Number of units	Percent of total units
60 % of AMI	712 units	95 %
30 % of AMI	38 units	5 %
_____ % of AMI	_____ units	_____ %
Special Housing Needs**	_____ units	_____ %
Total Affordable Units	"750" **units**	
Market Rate Units	0 units	0 %
Total Number of Units	"750" **units**	100 **%**

*AMI = Area Median Income per current HUD standards

** Describe the Special Housing Need of the tenants below, if applicable

ii. Length of Affordability Commitment

Length of affordability restrictions: 75 Years

2. Site Control Status

☐	Own site - fee simple	
☐	Executed ground lease	Expires on:
☐	Option to purchase	Expires on:
☐	Option to lease	Expires on:
☒	Other	Describe: Development Agmt with DHLM will be executed
		Expires on:

Submit evidence of site control for the project, e.g., deed, lease, agreement of sale, option agreement, or comparable document.

3. Environmental Disclosure

The project must comply with Chapter 343, HRS. If an Environmental Assessment (EA) or Environmental Impact Statement (EIS) has been published or will be published, identify the date of publication in the Office of Environmental Quality Control (OEQC) bulletin. Identify the accepting agency. Submit a copy of the most recent (a) EA with FONSI, (b) EIS, or (c) exemption determination.

Accepting Agency:	City and County of Honolulu, DHLM	
Check if applicable		**Date of publication or estimated completion date.**
☒	No EA or EIS is required	EA Exemption for affordable housing (specify reason)
☐	EA status and finding	Exempt under HRS 11-200.1-15
☐	EIS status	
☐	NEPA compliance status	

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

2026-AH-1 (JM)

NOTICE OF ELIGIBILITY
HAWAII REVISED STATUTES (HRS) CHAPTER 201H

File Number:	2026-AH-1
Owner:	City and County of Honolulu
Applicants:	Kobayashi Group and Ahe Group (Wendy Matsukawa)
Agent:	R.M. Townhill Corporation (Isaiah Sato)
Location:	91-683 Wakea Street – Honouliuli
Tax Map Key:	9-1-160: 064
Received:	January 27, 2026
Request:	Determination of eligibility for affordable housing exemptions pursuant to HRS Chapter 201H from various planning, zoning, construction, and/or development standards for an affordable housing project.

The above application has been reviewed and determined to be **ELIGIBLE** for processing under the City and County of Honolulu's HRS Chapter 201H Program, subject to evidence of site control for the Project, as discussed below.

HRS 201H, Eligibility: Pursuant to the City's 201H Housing Program Administrative Rules (201H Rules), eligible projects must contain at least 30 dwelling units, of which at least 51 percent will be affordable to low- and moderate-income households. More specifically, at least 20 percent of the units must be set aside for households earning annual incomes of less than 80 percent of the area median income (AMI), and 31 percent of the total number of units must be set aside for households earning between 81 percent and 120 percent of the AMI, or lower. The affordable units must remain affordable for a period not less than 30 years. As detailed in your request, the Project will include 750 affordable rental units, 95 percent (712 units) of which will be set aside for households earning no more than 60 percent of the AMI and 5 percent (38 units) of which will be set aside for households earning no more than 30 percent of the

AMI. All of the rental units will be affordable for a period of 75 years. The Applicant is considering utilizing an income averaging, as authorized by the Hawaii Housing Finance and Development Corporation. At no point is the use of income averaging anticipated to bring this project out of eligibility for processing the City's 201H rules; however, the application should clearly specify this fact.

The 201H Rules stipulate that the City may allow portions of land to be dedicated to commercial, industrial, or other uses, provided they are integral to the Project and are primarily for the benefit of the residents of the Project. During the processing of the 201H application, the City must consider whether the proposed uses conform to the objectives and policies of the City's Sustainable Communities or Development Plan in which the Project is geographically located, provide employment opportunities and necessary and convenient amenities to the residents of the Project, mitigate adverse impacts on the proposed residential units and adjacent land uses, and positively impact the economic feasibility of the Project. The Project is in the BMX-3 Community Business Mixed-Use District (BMX-3 District) and is within the 'Ewa Development Plan Area. Although none are specified in this request, the City generally support such mixed-use projects. The application materials should disclose any proposed uses and state how they are consistent with the above-described allowances from the City's 201H Rules.

The Applicant is deemed eligible under the City's 201H Program if they are licensed or otherwise authorized by all applicable laws to do business within the State of Hawai'i, have a reasonable amount of experience in the type of work proposed, and have obtained control of the Project site. The Applicants, Kobayashi Group and Ahe Group, are licensed or authorized to do business in the State of Hawai'i and have a reasonable amount of experience in the type of work being proposed. The Applicants are in the process of executing a development agreement with the landowner. Once evidence of site control for the Project is submitted, the Applicant will be eligible to submit the application for review under the 201H Rules. Clear documentation of site control must be included in the future application.

Lastly, the Agent has supplied all of the necessary information for the Department of Planning and Permitting to make a determination of eligibility, pursuant to Section 20-25-8 of the 201H Rules, with the exception of (c), which requires evidence of site control for the Project. Therefore, subject to evidence of site control for the Project and confirmation of compliance with HRS Chapter 343, as discussed below, the Project is **ELIGIBLE** for further processing under the City's 201H Program.

HRS Chapter 343: The Project proposes to use State or County lands and/or funds for the Project, and is therefore subject to the requirements of HRS Chapter 343. Pursuant to Hawai'i Administrative Rules (HAR) Section 11-200.1-15(10), new construction of affordable housing is an exempt action provided that it complies with

applicable affordable housing regulations of the State or County and meets the following criteria:

(A) Has the use of State or County lands or funds or is within Waikīkī as the sole triggers for compliance with HRS Chapter 343;

(B) As proposed conforms with the existing state urban land use classification;

(C) As proposed is consistent with the existing county zoning classification that allows housing; and

(D) As proposed does not require variances for shoreline setbacks or siting in an environmentally sensitive area, as stated in HAR Section 11-200.1-13(b)(11).

Based on the information provided, the only HRS Chapter 343 trigger is the use of State or County lands or funds. Our records show the site is within the State Land Use Urban District, BMX-3 District, which allows for housing, and is not located is an environmentally sensitive area. As such, provided that the Project complies with the applicable affordable housing regulations of the State or County, we agree that if meets all the necessary requirements to be considered an exempt action for purposes of HRS Chapter 343.

Should you have any questions, please contact Joshua Matla, of our Urban Design Branch, at (808) 768-8033 or via email at joshua.matla@honolulu.gov.

for Dawn Takeuchi Apuna
Director

Date: February 10, 2026

Note: If you have appointed an agent to represent you, all future correspondence will be with the agent. If you should change agents, please notify the Department of Planning and Permitting immediately.

Appendix 3

Conceptual Plans and Exhibits

SCHEMATIC DESIGN



DESIGN PARTNERS INCORPORATED

KAPOLEI PARKWAY LOT 2-5

Kapolei Parkway, Kapolei Hawaii 96707

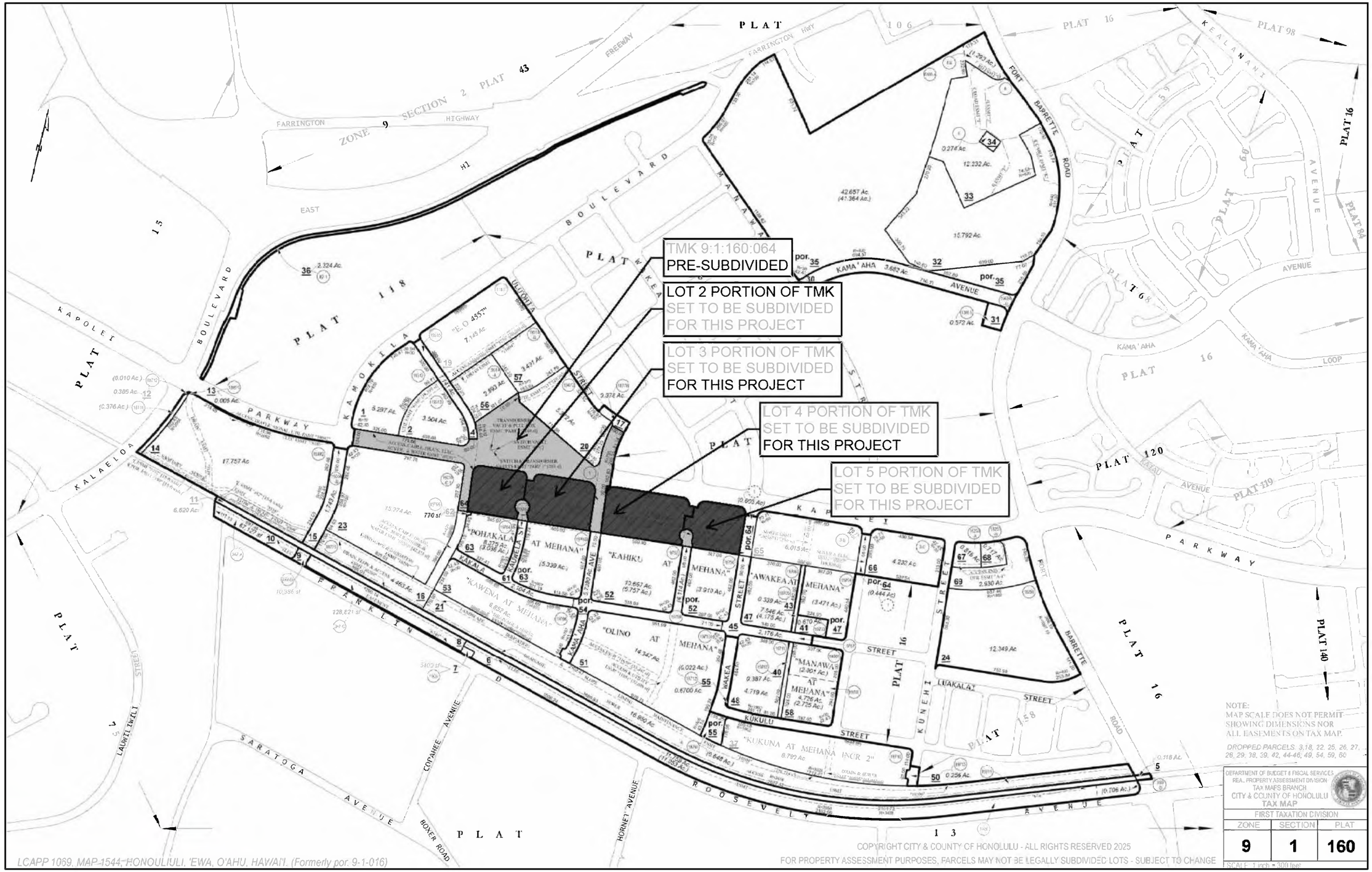
SCHEMATIC DESIGN



DESIGN PARTNERS INCORPORATED

KAPOLEI PARKWAY LOT 2-5

Kapolei Parkway, Kapolei Hawaii 96707



KAPOLEI PARKWAY PLAT MAP PLAN

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A.00

DESIGN PARTNERS INCORPORATED

SCHEMATIC DESIGN



DESIGN PARTNERS INCORPORATED

KAPOLEI PARKWAY LOT 2

Kapolei Parkway, Kapolei Hawaii 96707



PROJECT LOCATION - AERIAL VIEW NORTH



EXISTING SITE AERIAL



EXISTING SITE PLAN

DESIGN PARTNERS INCORPORATED

EXISTING SITE PLAN & CONTEXT

Kapolei Parkway, Kapolei Hawaii 96707

A.01

LOT 2 PROGRAM SUMMARY

LEVEL	UNITS PER FLOOR	1 BEDROOM 1 BATH	2 BEDROOM 1 BATH	3 BEDROOM 2 BATH	4 BEDROOM 2 BATH	PARKING STALLS	TOTAL GSF	AMENITIES
BUILDING 2-1								
1		12	12	2			22,210	
2		12	12	2			22,210	
3		8	8	6	4		22,210	
4							6,685	
ROOF								
BUILDING 2-2								
1		8	4				11,435	Recreation Areas
2		8	6				11,435	
3		4	2	4	4		11,435	
4							6,685	
ROOF								
BUILDING 2-3								
1		7	9		1		14,980	Utility Room
2		8	10				14,655	
3		4	6	4	4		14,655	
4							6,685	
ROOF								
PARKING STRUCTURE								
1						68	3,335	Laundry Rooms, Parking Garage & Bike Stalls
2						72	570	Storage
3						72	575	Storage
OVERALL SITE						**31**		**Parking Areas, Bike Stalls, Mailbox Areas**
TOTAL UNIT MIX	**170**	71	**69**	18	13	**243**	**169,760**	Trash Enclosure Areas

ADA UNITS	1 BEDROOM	2 BEDROOM	3 BEDROOM	4 BEDROOM	TOTAL	NOTES
5% Mobility	4	4	1	1	**10**	5% = Minimum of 10 Units
2% Communication	2	2	1	1	**6**	2% = Minimum of 6 Units

TOTAL SUMMARY	
Total Units	**170**
Total Beds	**316**
Total Stalls	**243**
Parking Ratio	**1.43**
Total GSF	**169,760.00**
Total FAR	**1.27**
Lot Size	**133,939.99**

BICYCLE PARKING			
		REQUIRED	PROVIDED
Short Term	**1 Per 10 Units**	17	11
Long Term	**1 Per 2 Units**	85	85

NOTE: INCLUDES 12 ADA STALLS

DESIGN PARTNERS INCORPORATED

PROJECT SUMMARY

Kapolei Parkway, Kapolei Hawaii 96707

G.01

GROSS AREA SUMMARY

BUILDING 2-1

1ST FLOOR		
COMMON AREAS	3,035 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	19,175 SF	
TOTAL	**22,210 SF**	
2ND FLOOR		
COMMON AREAS	3,035 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	19,175 SF	
TOTAL	**22,210 SF**	
3RD FLOOR		
COMMON AREAS	3,035 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	19,175 SF	
TOTAL	**22,210 SF**	
4TH FLOOR		
COMMON AREAS	485 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	6,200 SF	
TOTAL	**6,685 SF**	

GROSS AREA SUMMARY

BUILDING 2-2

1ST FLOOR		
COMMON AREAS	1,635 SF	HALLWAY & STAIRS
RECREATION AREA	1,565 SF	
RESIDENTIAL UNITS	8,235 SF	
TOTAL	**11,435 SF**	
2ND FLOOR		
COMMON AREAS	1,635 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	9,800 SF	
TOTAL	**11,435 SF**	
3RD FLOOR		
COMMON AREAS	1,635 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	9,800 SF	
TOTAL	**11,435 SF**	
4TH FLOOR		
COMMON AREAS	485 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	6,200 SF	
TOTAL	**6,685 SF**	

GROSS AREA SUMMARY

BUILDING 2-3

1ST FLOOR		
COMMON AREAS	1,745 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	12,900 SF	
UTILITY ROOM	335 SF	
TOTAL	**14,980 SF**	
2ND FLOOR		
COMMON AREAS	1,745 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	12,910 SF	
TOTAL	**14,655 SF**	
3RD FLOOR		
COMMON AREAS	1,745 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	12,910 SF	
TOTAL	**14,655 SF**	
4TH FLOOR		
COMMON AREAS	485 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	6,200 SF	
TOTAL	**6,685 SF**	

Kapolei Parkway

PROPERTY LINE
SETBACK LINE
391'-3"
10'-0"
9'-2"
10'-0"
62'-4"
10'-0"
5'-4"
16'-6"
30'-9"
236' - 3"
15'-2"
12'-8"
12'-4"
58'-0"
MAILBOXES
MAILBOXES

UNIT 2A | UNIT 3A | UNIT 1A | UNIT 1A | UNIT 2A | UNIT 2B | UNIT 2B | UNIT 2B | UNIT 2ADA | UNIT 2A | UNIT 1A | UNIT 1A | UNIT 2A
UNIT 2A | UNIT 3A | UNIT 1A | UNIT 1A | UNIT 2A | UNIT 1B | UNIT 1B | UNIT 1B | UNIT 1B | UNIT 2A | UNIT 1A | UNIT 1A | UNIT 2A

NEW BUILDING 2-1
22210 SF

LDRY 200 SF
BIKE PARKING STALLS 900 SF
LDRY 210 SF

PROPERTY LINE
SETBACK LINE
10'-0"
PARKING STRUCTURE
PARKING LOT A
202 PARKING STALLS
10 ADA STALLS
RAMP 24'-0"
25'-8" DRIVEWAY
22'-0" DRIVEWAY
117'-7"
117'-6"
8'-6"

UNIT 1B | UNIT 2ADA
UNIT 1B | UNIT 2B
UNIT 1B | UNIT 2B
NEW BUILDING 2-2
10655 SF
UNIT 1B | UNIT 2B
200'-0"

LDRY 200 SF
BIKE PARKING STALLS 900 SF
LDRY 240 SF

UNIT 1A | UNIT 1A
UNIT 1A | UNIT 1A
UNIT 1A | UNIT 1A
REC 1 780 SF | REC 2 780 SF

Kealakapu Street
16'-5"
5'-4"
10'-0"
62'-4"
18'-8"
58'-0"

UNIT 4ADA | UNIT 2A | UNIT 2A | UNIT 1A | UNIT 1B | UNIT 1B | UNIT 1B | UNIT 1B
UTILITY ROOM 335 SF
UNIT 2A | UNIT 1A | UNIT 2A | UNIT 2ADA | UNIT 1ADA | UNIT 2B | UNIT 2B | UNIT 2B | UNIT 2B

NEW BUILDING 2-3
14980 SF

265'-2"
14'-6"
60'-2"

TRASH 685 SF
LOADING
LOADING
8'-3" | 8'-6" | 8'-6" | 8'-6"

PARKING LOT B
29 PARKING STALLS
2 ADA STALLS
1 LOADING STALL 8'-6" x 19'-0"
1 LOADING STALL 12'-0" x 35'-0"

Village Walk
10'-0"
20'-0"
Kauwela Street

ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE
SCALE: 1" = 40'-0"
0 10' 20' 40' 80'

PLAN NORTH

DESIGN PARTNERS INCORPORATED

FIRST FLOOR PLAN - LOT 2

Kapolei Parkway, Kapolei Hawaii 96707

A1.01



ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

DESIGN PARTNERS INCORPORATED

SECOND FLOOR PLAN - LOT 2 A1.02

Kapolei Parkway, Kapolei Hawaii 96707



ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

THIRD FLOOR PLAN - LOT 2

Kapolei Parkway, Kapolei Hawaii 96707

A1.03

DESIGN PARTNERS INCORPORATED



ROOM TYPES LEGEND

- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE

SCALE: 1" = 40'-0"

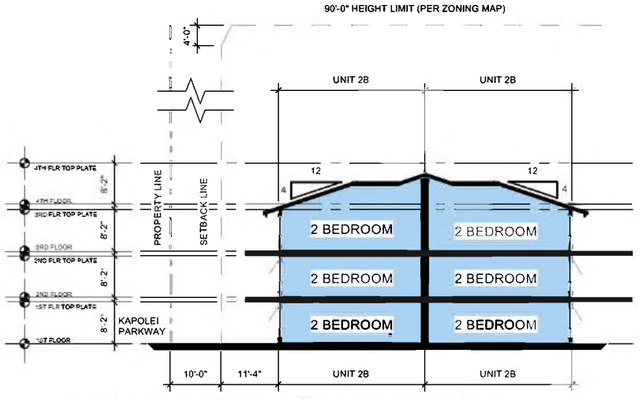
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PLAN NORTH

DESIGN PARTNERS INCORPORATED

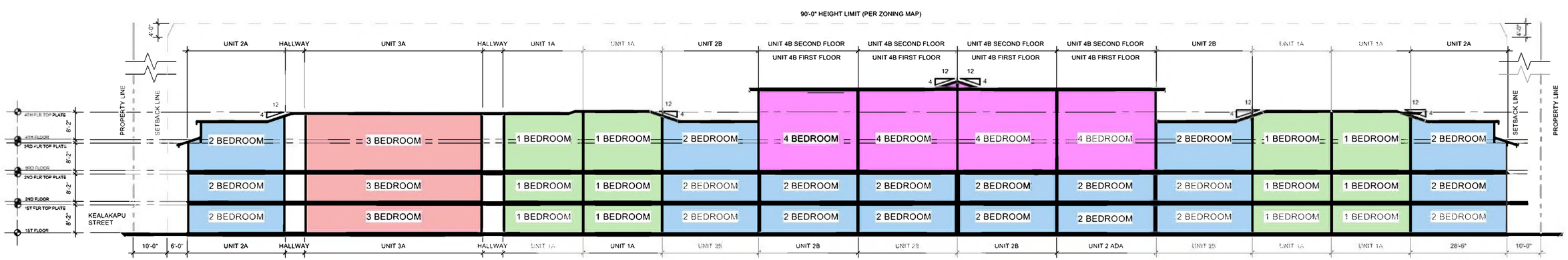
FOURTH FLOOR PLAN - LOT 2 A1.04

Kapolei Parkway, Kapolei Hawaii 96707



B1 LOT 2 BUILDING 1 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 2 BUILDING 1 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

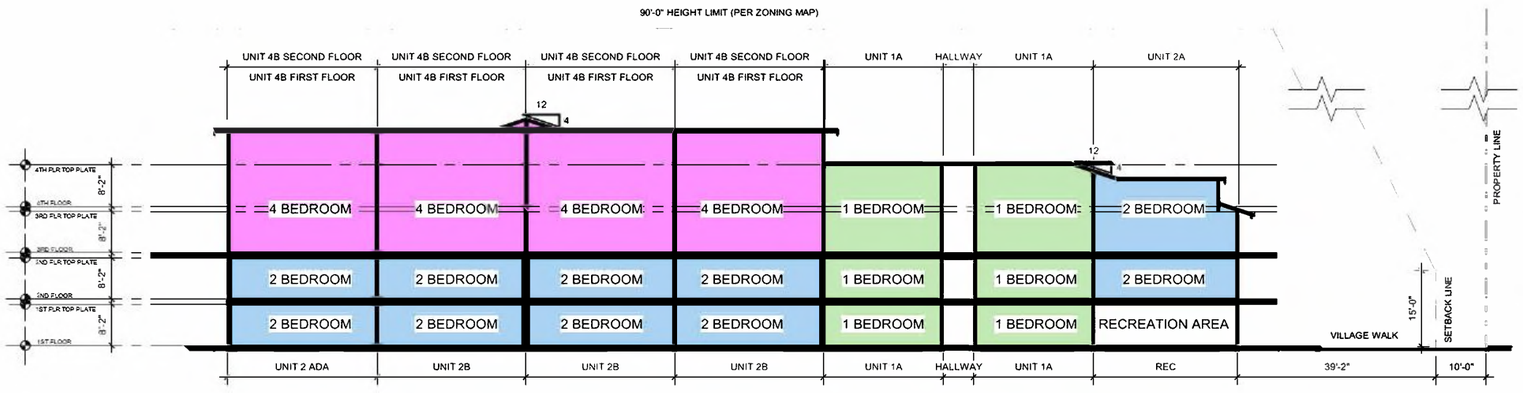
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BUILDING SECTION - BUILDING 1

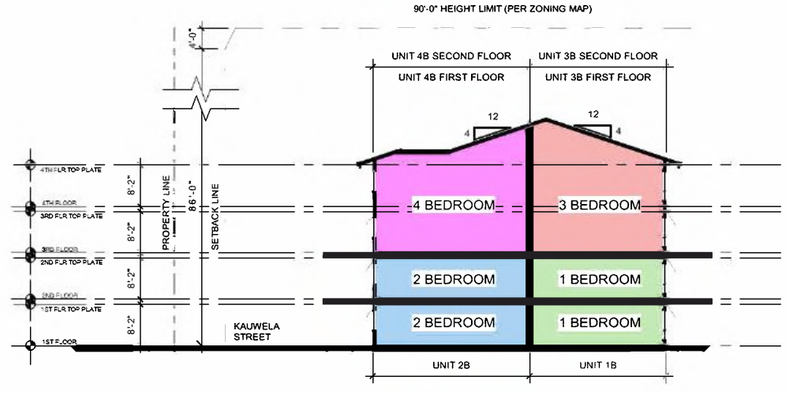
Kapolei Parkway, Kapolei Hawaii 96707

A2.01



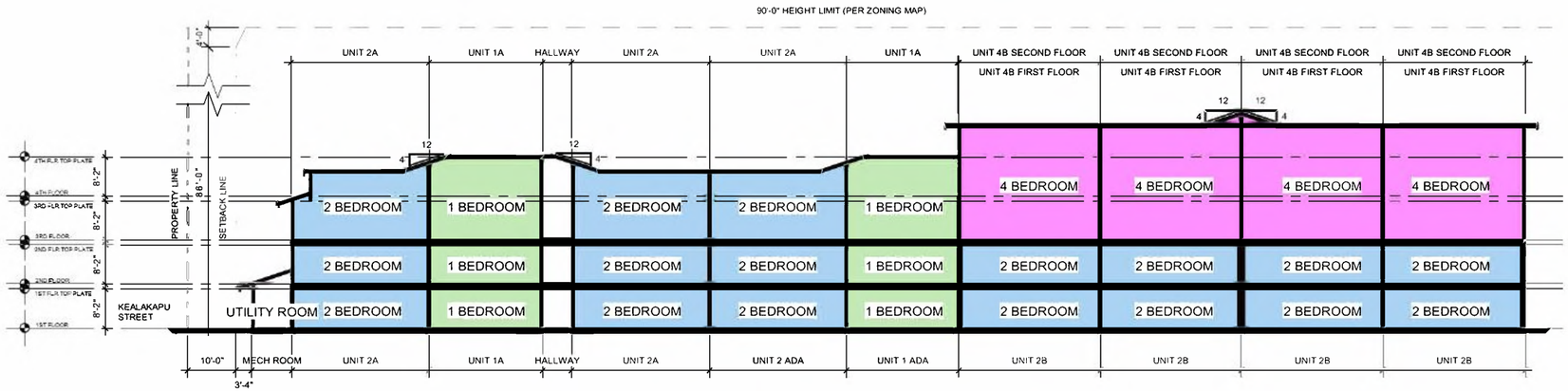
B1 LOT 2 BUILDING 2 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"



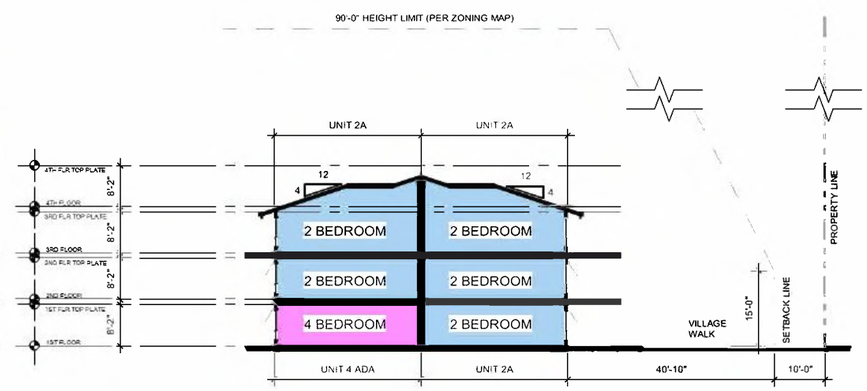
B2 LOT 2 BUILDING 2 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 2 BUILDING 3 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"



A2 LOT 2 BUILDING 3 CROSS SECTION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

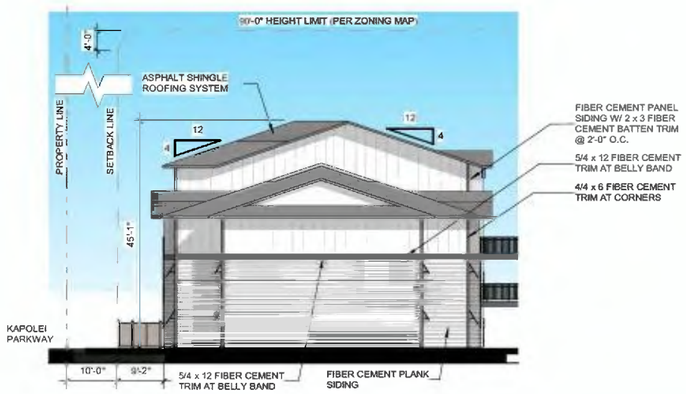
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BUILDING SECTION - BUILDING 2 & 3

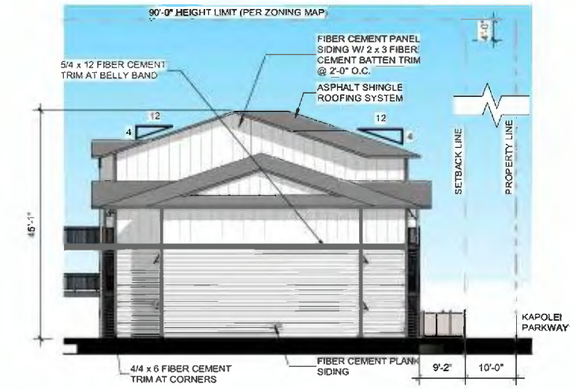
Kapolei Parkway, Kapolei Hawaii 96707

A2.02



C1 LOT 2 BUILDING 1 ELEVATION WEST

SCALE: 1" = 30'-0"



C2 LOT 2 BUILDING 1 ELEVATION EAST

SCALE: 1" = 30'-0"



B1 LOT 2 BUILDING 1 ELEVATION SOUTH

SCALE: 1" = 30'-0"



A1 LOT 2 BUILDING 1 ELEVATION NORTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATIONS - BUILDING 1

Kapolei Parkway, Kapolei Hawaii 96707

A3.01



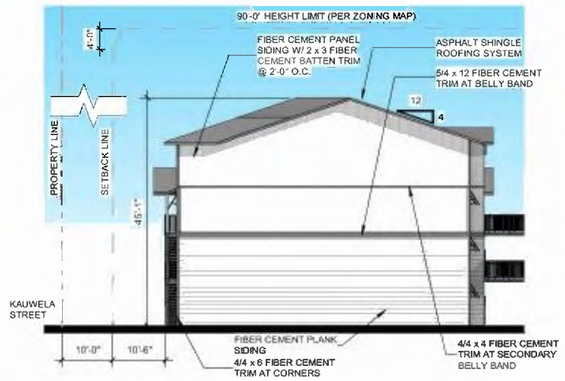
C1 LOT 2 BUILDING 2 ELEVATION EAST

SCALE: 1" = 30'-0"



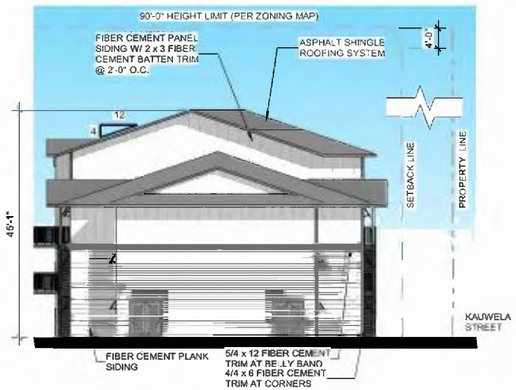
B1 LOT 2 BUILDING 2 ELEVATION WEST

SCALE: 1" = 30'-0"



A1 LOT 2 BUILDING 2 ELEVATION NORTH

SCALE: 1" = 30'-0"



A2 LOT 2 BUILDING 2 ELEVATION SOUTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

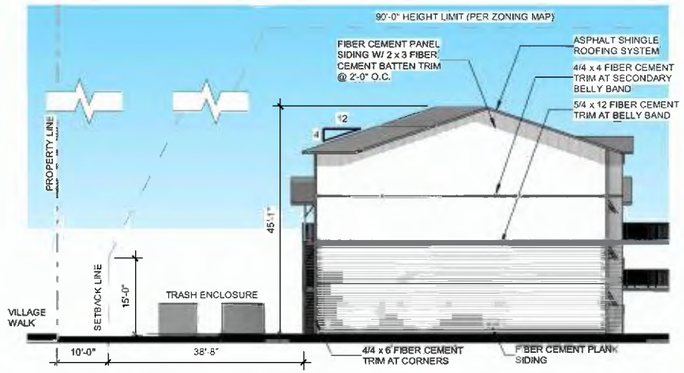
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BUILDING ELEVATION - BUILDING 2

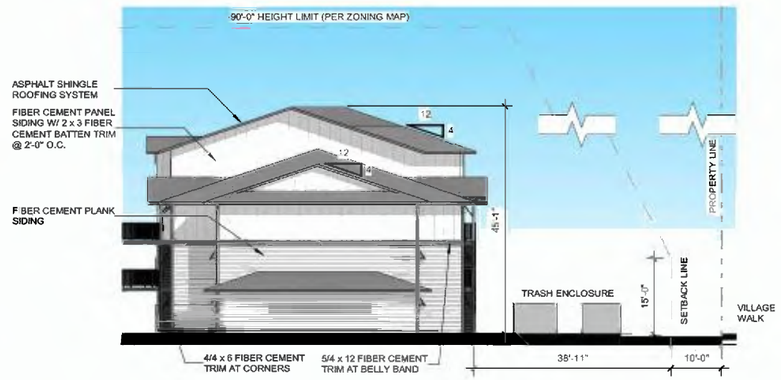
Kapolei Parkway, Kapolei Hawaii 96707

A3.02



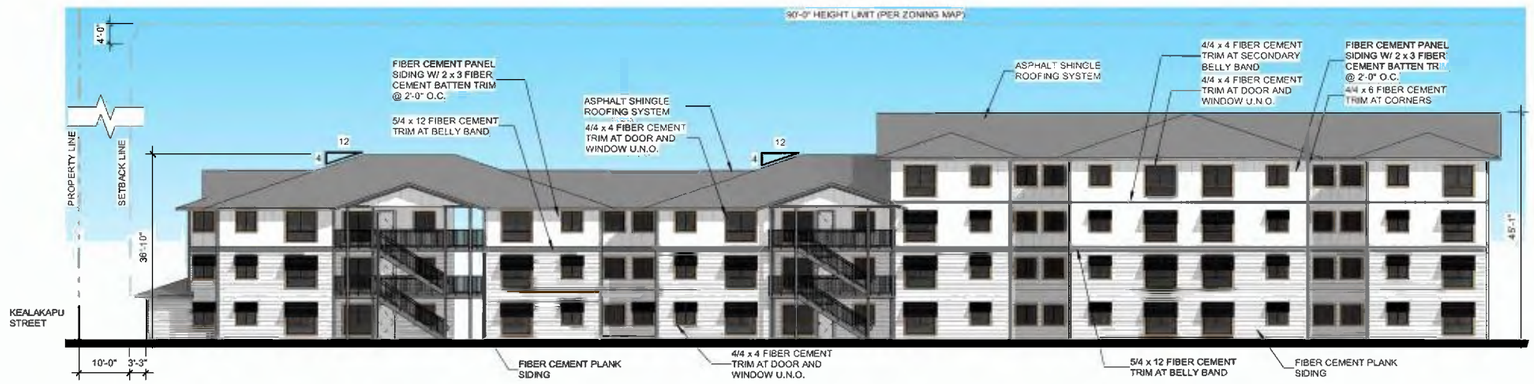
C1 LOT 2 BUILDING 3 ELEVATION EAST

SCALE: 1" = 30'-0"



C2 LOT 2 BUILDING 3 ELEVATION WEST

SCALE: 1" = 30'-0"



B1 LOT 2 BUILDING 3 ELEVATION SOUTH

SCALE: 1" = 30'-0"



A1 LOT 2 BUILDING 3 ELEVATION NORTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 3

Kapolei Parkway, Kapolei Hawaii 96707

A3.03

SCHEMATIC DESIGN



DESIGN PARTNERS INCORPORATED

KAPOLEI PARKWAY LOT 3

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707



PROJECT LOCATION - AERIAL VIEW NORTH



EXISTING SITE AERIAL



EXISTING SITE PLAN

DESIGN PARTNERS INCORPORATED

EXISTING SITE PLAN & CONTEXT

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A.01

LOT 3 PROGRAM SUMMARY

LEVEL	UNITS PER FLOOR	1 BEDROOM 1 BATH	2 BEDROOM 1 BATH	3 BEDROOM 2 BATH	4 BEDROOM 2 BATH	PARKING STALL	AREA	AMENITIES
BUILDING 3-1								
1		10	8	2			17,685	Utility Room
2		10	8	2			17,360	
3		6	4	6	4		17,360	
4							6,685	
ROOF								
BUILDING 3-2								
1		3	3		1		6,330	
2		4	4				6,330	
3		4	4				6,330	
ROOF								
BUILDING 3-3								
1		12	12				19,975	Utility Room
2		12	12				19,655	
3		4	4	8	8		19,655	
4							13,340	
ROOF								
BUILDING 3-4								
1		6	4	1			10,655	Recreation Areas
2		8	6				11,435	
3		4	2	4	4		11,435	
4							6,685	
ROOF								
OFFICE								
1						3	780	Office
PARKING STRUCTURE								
1						60	3,605	Laundry Rooms, Parking Garage, Bike Stalls & Trash Enclosure Areas
2						52	480	Storage
3						52	480	Storage
OVERALL SITE						**32**		**Parking Areas, Bike Stalls, Mailbox Areas**
TOTAL UNIT MIX	**194**	83	71	23	17	**199**	**196,260**	**Trash Enclosure Areas**

ADA UNITS	1 BEDROOM	2 BEDROOM	3 BEDROOM	4 BEDROOM		TOTAL	NOTES
5% Mobility	5	4	2	1	12 of 199 ADA Stalls	12	5% = Minimum of 12 Units
2% Communication	2	2	1	1		6	2% = Minimum of 6 Units

TOTAL SUMMARY	
Total Units	**194**
Total Beds	**362**
Total Stalls	**199**
Parking Ratio	**1.01**
Total GSF	**196,260**
Total FAR	**1.20**
Lot Size	162,927.78

BICYCLE PARKING			
		REQUIRED	**PROVIDED**
Short Term	**1 Per 10 Units**	**20**	**7**
Long Term	**1 Per 2 Units**	**97**	**102**

DESIGN PARTNERS INCORPORATED

PROJECT SUMMARY

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

G.01

GROSS AREA SUMMARY

BUILDING 3-1		
1ST FLOOR		
COMMON AREAS	2,455 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	14,895 SF	
UTILITY ROOM	335 SF	
TOTAL	**17,685 SF**	
BUILDING 3-1		
2ND FLOOR		
COMMON AREAS	2,455 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	14,905 SF	
TOTAL	**17,360 SF**	
BUILDING 3-1		
3RD FLOOR		
COMMON AREAS	2,455 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	14,905 SF	
TOTAL	**17,360 SF**	
BUILDING 3-1		
4TH FLOOR		
COMMON AREAS	485 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	6,200 SF	
TOTAL	**6,685 SF**	

GROSS AREA SUMMARY

BUILDING 3-3	
1ST FLOOR	
COMMON AREAS	2,120 SF
RESIDENTIAL UNITS	17,520 SF
UTILITY ROOM	335 SF
TOTAL	**19,975 SF**
BUILDING 3-3	
2ND FLOOR	
COMMON AREAS	2,120 SF
RESIDENTIAL UNITS	17,530 SF
TOTAL	**19,655 SF**
BUILDING 3-3	
3RD FLOOR	
COMMON AREAS	2,120 SF
RESIDENTIAL UNITS	17,530 SF
TOTAL	**19,655 SF**
BUILDING 3-3	
4TH FLOOR	
COMMON AREAS	970 SF
RESIDENTIAL UNITS	12,370 SF
TOTAL	**13,340 SF**

GROSS AREA SUMMARY

BUILDING 3-2	
1ST FLOOR	
COMMON AREAS	1,150 SF
RESIDENTIAL UNITS	5,180 SF
TOTAL	**6,330 SF**
BUILDING 3-2	
2ND FLOOR	
COMMON AREAS	1,150 SF
RESIDENTIAL UNITS	5,180 SF
TOTAL	**6,330 SF**
BUILDING 3-2	
3RD FLOOR	
COMMON AREAS	1,150 SF
RESIDENTIAL UNITS	5,180 SF
TOTAL	**6,330 SF**

GROSS AREA SUMMARY

BUILDING 3-4	
1ST FLOOR	
COMMON AREAS	1,635 SF
OFFICE	780 SF
RECREATION AREA	780 SF
RESIDENTIAL UNITS	8,235 SF
TOTAL	**11,435 SF**
BUILDING 3-4	
2ND FLOOR	
COMMON AREAS	1,635 SF
RESIDENTIAL UNITS	9,800 SF
TOTAL	**11,435 SF**
BUILDING 3-4	
3RD FLOOR	
COMMON AREAS	1,635 SF
RESIDENTIAL UNITS	9,800 SF
TOTAL	**11,435 SF**
BUILDING 3-4	
4TH FLOOR	
COMMON AREAS	485 SF
RESIDENTIAL UNITS	6,200 SF
TOTAL	**6,685 SF**

Kapolei Parkway

PROPERTY LINE

SETBACK LINE

LOT 3 PROPERTY LINE

LOT 2 PROPERTY LINE

PROPERTY LINE

SETBACK LINE

NEW BUILDING 3-1
17685 SF

NEW BUILDING 3-2
6330 SF

NEW BUILDING 3-4
10655 SF

NEW BUILDING 3-3
19975 SF

PARKING STRUCTURE
PARKING LOT A
159 PARKING STALLS
8 ADA STALLS

BIKE PARKING STALLS
985 SF

BIKE PARKING STALLS
1015 SF

LDRY
300 SF

LDRY
210 SF

LDRY
220 SF

UTILITY ROOM
335 SF

DRIVEWAY

REC 1
780 SF

REC 2
780 SF

TRASH
670 SF

LOADING

LOADING

Kamaaha Avenue

Kauwela Street

Village Walk

PARKING LOT B
30 PARKING STALLS
2 ADA STALLS
1 LOADING STALL 8'-6" x 19'-0"
1 LOADING STALL 12'-0" x 35'-0"

ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

FIRST FLOOR PLAN - LOT 3

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A1.01



DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

SECOND FLOOR PLAN - LOT 3

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A1.02



ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

THIRD FLOOR PLAN - LOT 3 A1.03

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707



ROOM TYPES LEGEND

- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

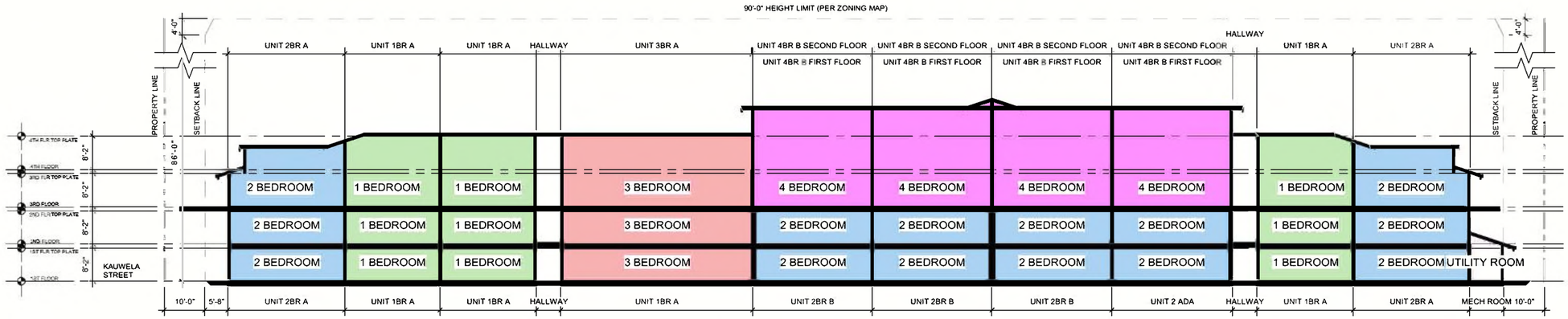
PLAN NORTH

FOURTH FLOOR PLAN - LOT 3

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

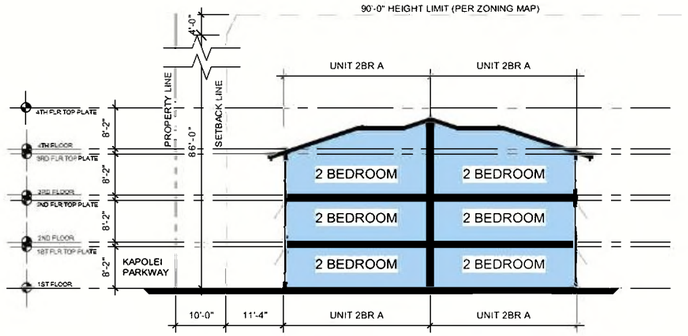
A1.04

DESIGN PARTNERS INCORPORATED



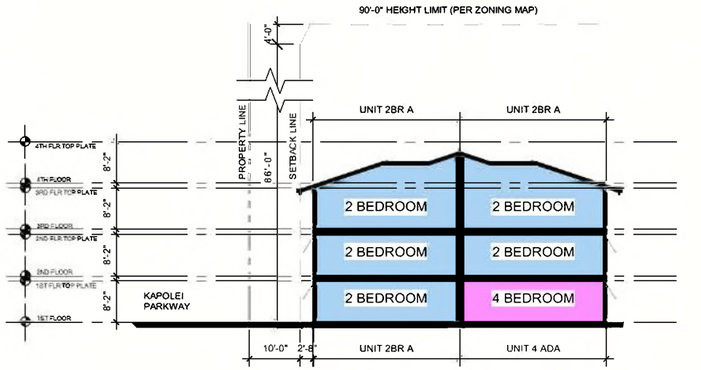
C1 LOT 3 BUILDING 1 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"



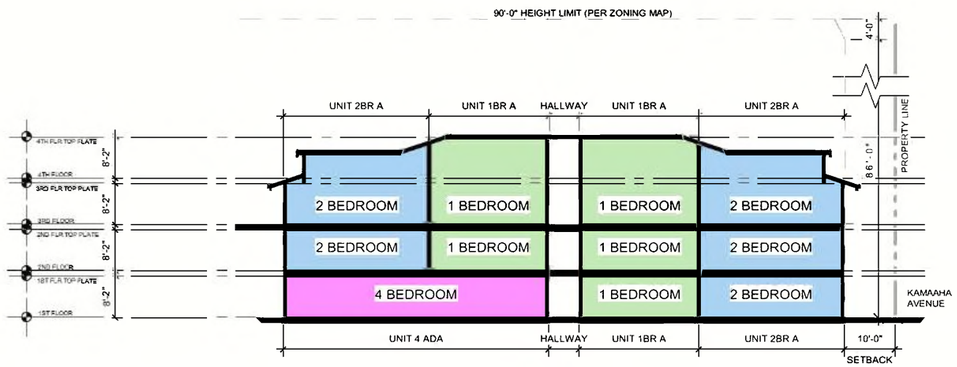
B1 LOT 3 BUILDING 1 CROSS SECTION

SCALE: 1" = 30'-0"



B2 LOT 3 BUILDING 2 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 3 BUILDING 2 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

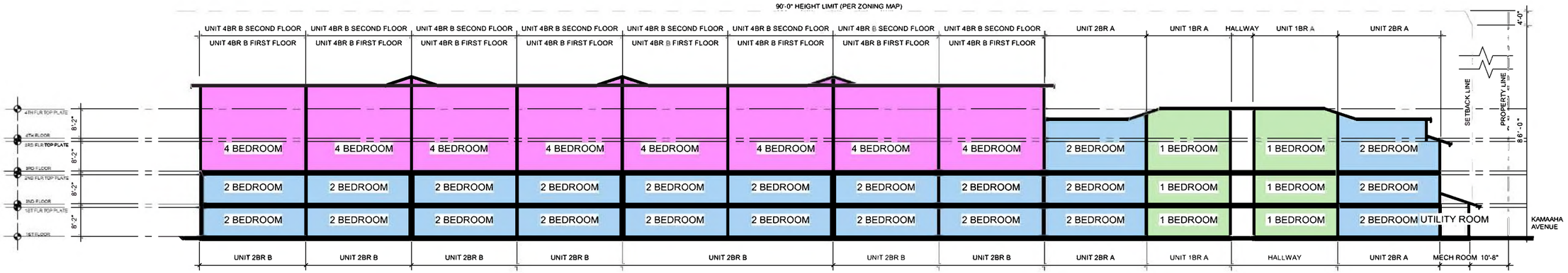
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING SECTION - BUILDING 1 & 2

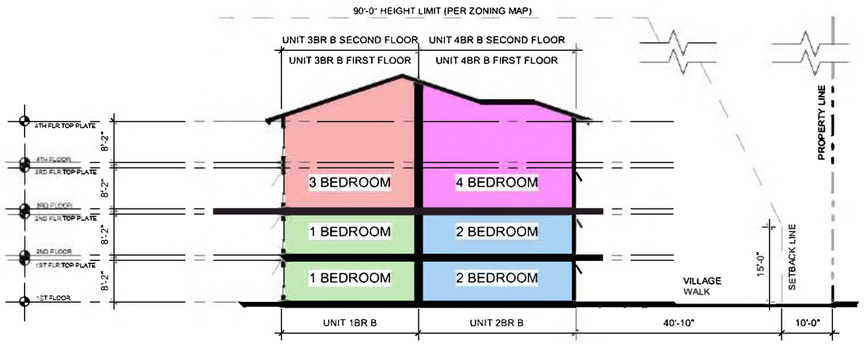
KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A2.01



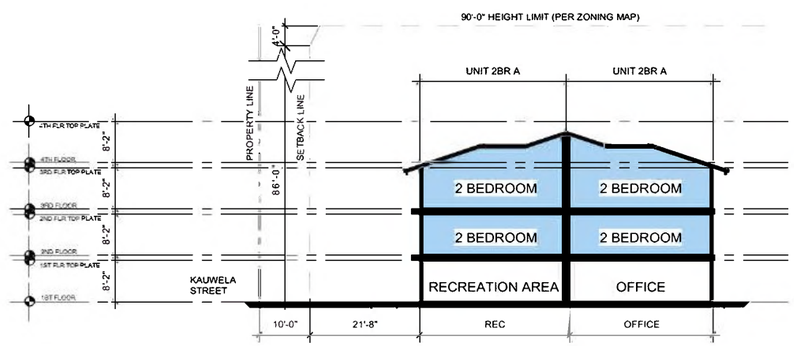
1 LOT 3 BUILDING 3 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"



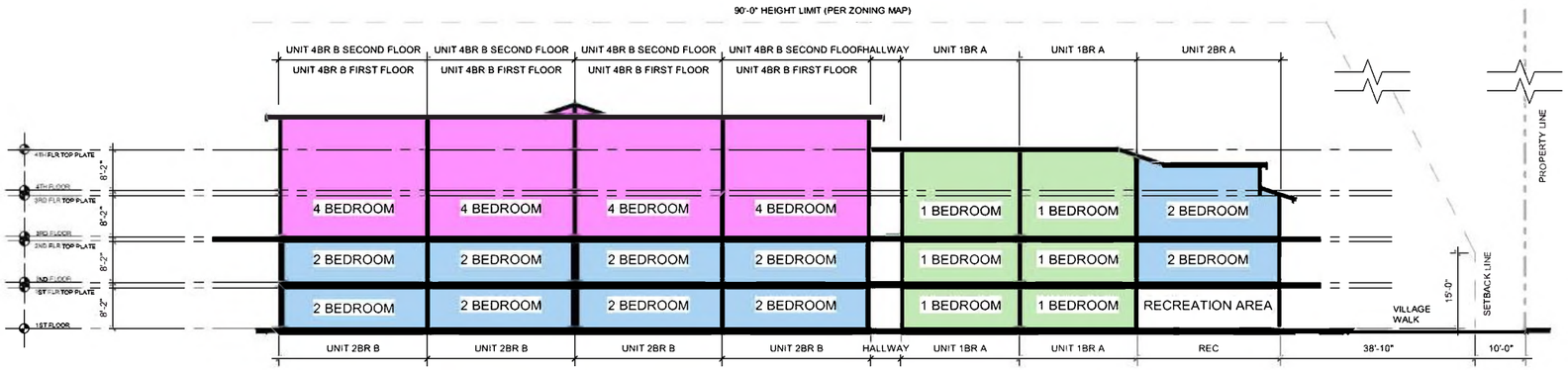
2 LOT 3 BUILDING 3 CROSS SECTION

SCALE: 1" = 30'-0"



3 LOT 3 BUILDING 4 CROSS SECTION

SCALE: 1" = 30'-0"



4 LOT 3 BUILDING 4 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

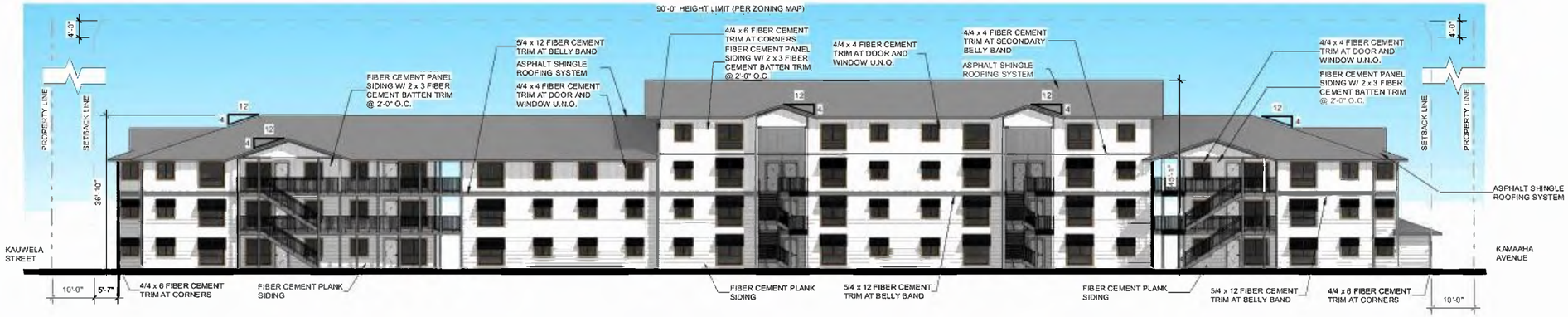
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING SECTION - BUILDING 3 & 4

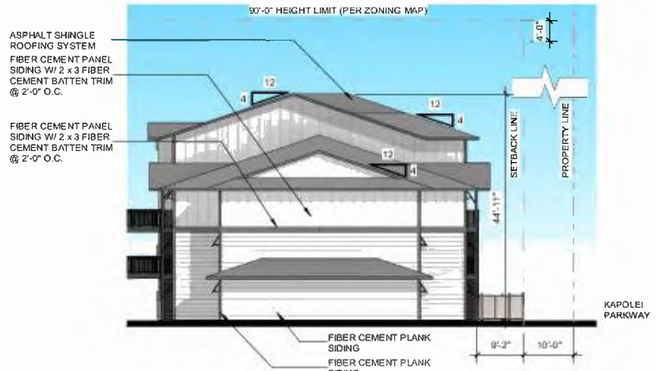
KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A2.02



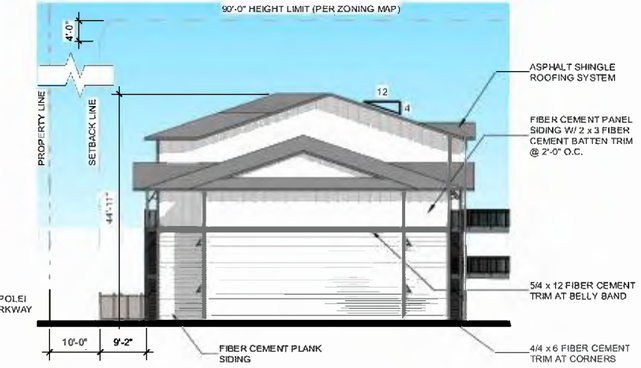
C1 BUILDING 3-1 SOUTH ELEVATION

SCALE: 1" = 30'-0"



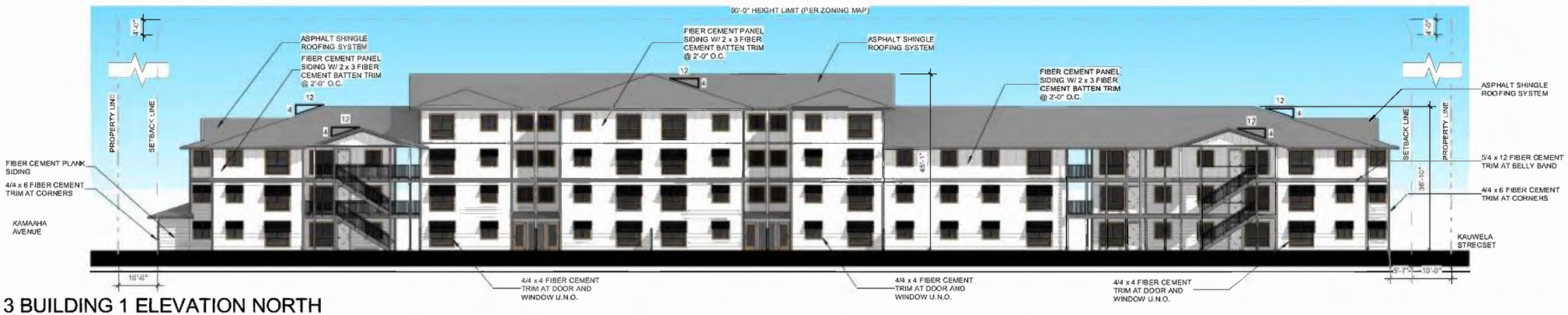
B1 BUILDING 3-1 EAST ELEVATION

SCALE: 1" = 30'-0"



B2 BUILDING 3-1 WEST ELEVATION

SCALE: 1" = 30'-0"



A1 LOT 3 BUILDING 1 ELEVATION NORTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 3-1

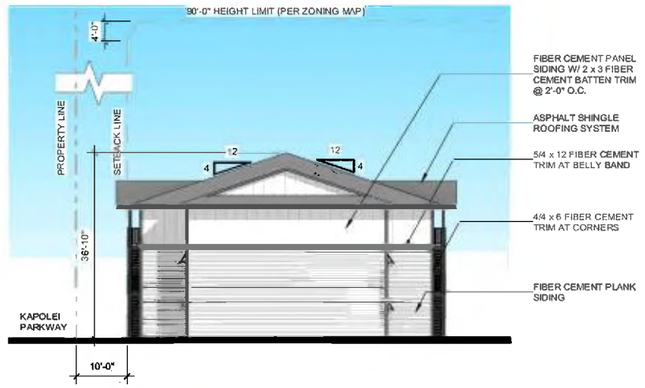
KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A3.01



B1 BUILDING 3-2 SOUTH ELEVATION

SCALE: 1" = 30'-0"



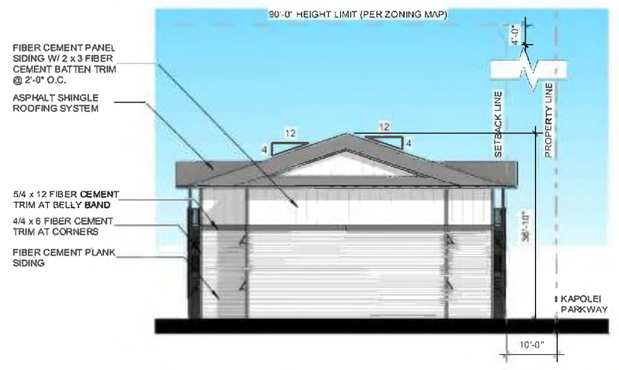
B2 BUILDING 3-2 WEST ELEVATION

SCALE: 1" = 30'-0"



A1 BUILDING 3-2 NORTH ELEVATION

SCALE: 1" = 30'-0"



A2 BUILDING 3-2 EAST ELEVATION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

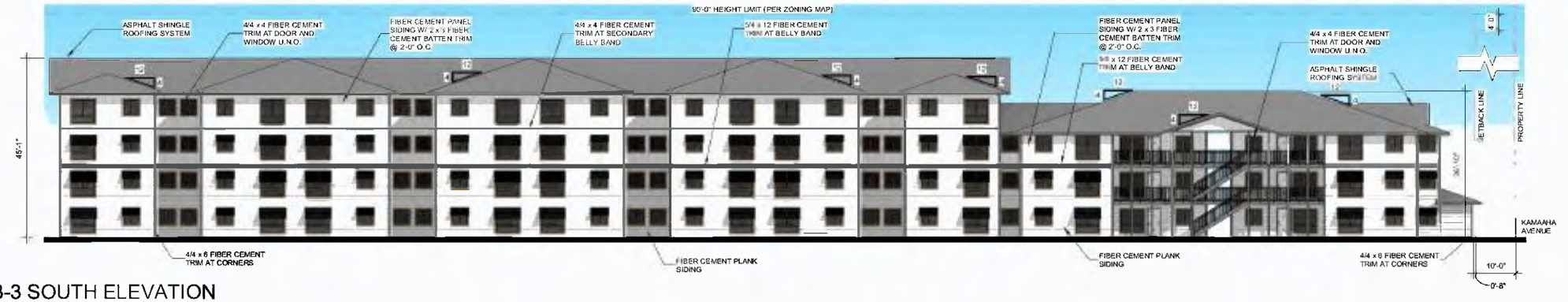
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 3-2

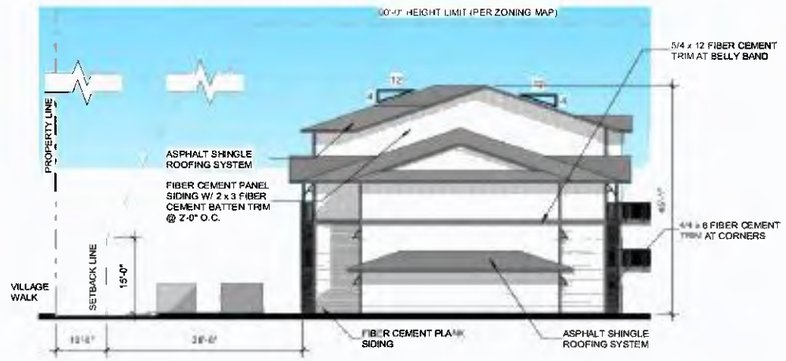
KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A3.02



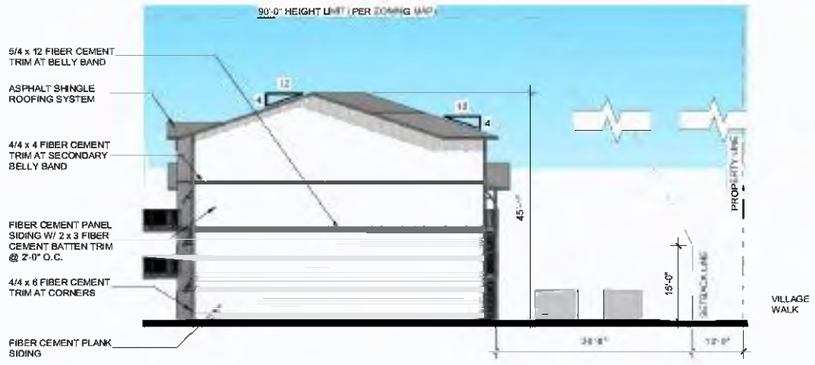
C1 BUILDING 3-3 SOUTH ELEVATION

SCALE: 1" = 30'-0"



B1 BUILDING 3-3 EAST ELEVATION

SCALE: 1" = 30'-0"



B2 BUILDING 3-3 WEST ELEVATION

SCALE: 1" = 30'-0"



A1 BUILDING 3-3 NORTH ELEVATION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

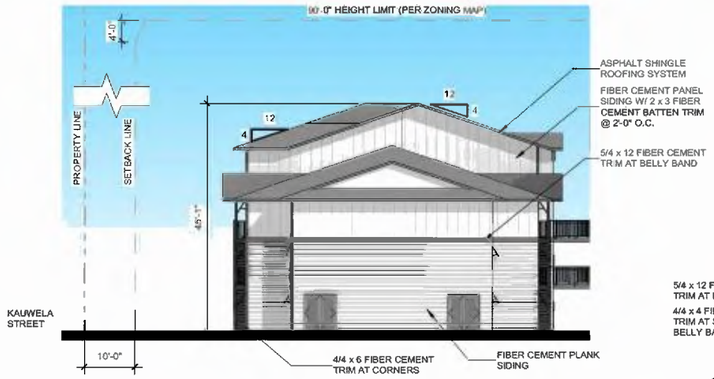
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 3-3

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A3.03



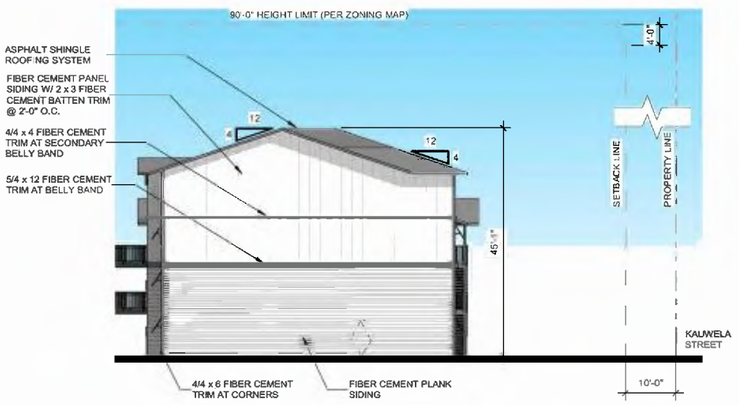
B1 BUILDING 3-4 SOUTH ELEVATION

SCALE: 1" = 30'-0"



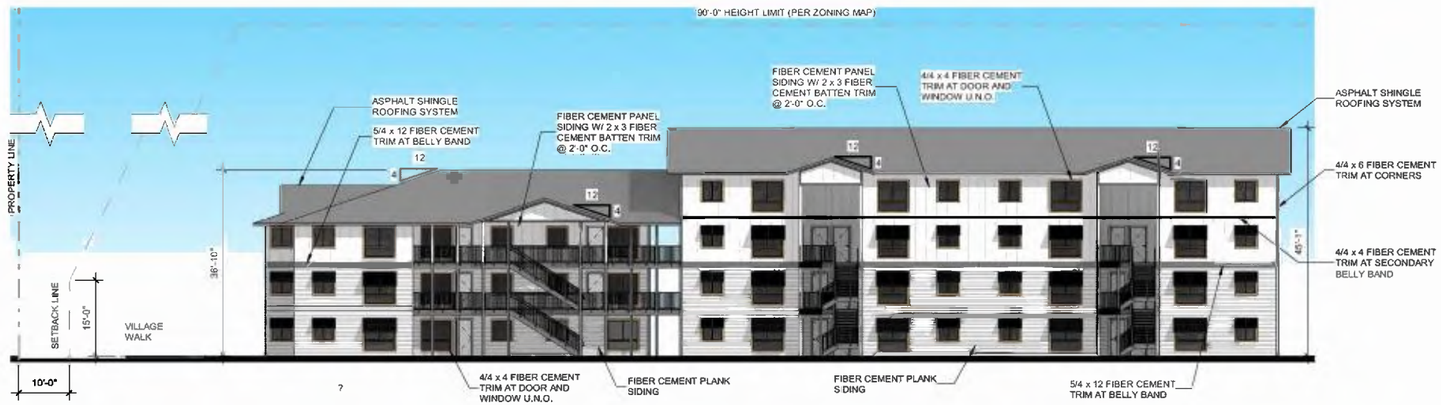
B2 BUILDING 3-4 WEST ELEVATION

SCALE: 1" = 30'-0"



A1 BUILDING 3-4 NORTH ELEVATION

SCALE: 1" = 30'-0"



A2 BUILDING 3-4 EAST ELEVATION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 3-4

KAPOLEI PARKWAY, KAPOLEI, HAWAII 96707

A3.04

SCHEMATIC DESIGN



DESIGN PARTNERS
INCORPORATED

KAPOLEI PARKWAY LOT 4

Kapolei Parkway, Kapolei Hawaii 96707



PROJECT LOCATION - AERIAL VIEW NORTH



EXISTING SITE AERIAL



EXISTING SITE PLAN

DESIGN PARTNERS INCORPORATED

EXISTING SITE PLAN & CONTEXT

Kapolei Parkway, Kapolei Hawaii 96707

A.01

LOT 4 PROGRAM SUMMARY

LEVEL	UNITS PER FLOOR	1 BEDROOM 1 BATH	2 BEDROOM 1 BATH	3 BEDROOM 2 BATH	4 BEDROOM 2 BATH	PARKING STALLS	TOTAL GSF	AMENITIES
BUILDING 4-1								
1		13	15		1		18,620	Utility Room
2		14	16				18,295	
3		6	8	8	8		18,295	
4							13,340	
Roof								
BUILDING 4-2								
1		4	4				5,955	
2		4	4				5,955	
3		4	4				5,955	
Roof								
BUILDING 4-3								
1		2	2				3,740	
2		4	4				6,330	
3		4	4				6,330	
Roof								
PRESCHOOL								
1						9	3,130	Preschool
BUILDING 4-4								
1		6	4	2			11,835	Recreation Areas
2		6	6	2			12,610	
3		2	2	6	4		12,610	
4							6,685	
Roof								
OFFICE								
1						3	775	Office
BUILDING 4-5								
1		8	8	2			16,280	
2		8	8	2			16,275	
3		4	4	6	4		16,275	
4							6,685	
Roof								
1						3	550	Office
BUILDING 4-6								
1		4	4				6,740	Utility Room
2		4	4				6,330	
3		4	4				6,330	
Roof								
PARKING STRUCTURE								
1						82	4,210	Laundry Rooms, Parking Garage & Bike Stalls
2						89	545	Storage
3						89	545	Storage
OVERALL SITE						**72**		**Parking Areas, Bike Stalls, Mailbox Areas**
TOTAL UNIT MIX	**217**	85	**87**	28	17	**347**	**231,265**	**Trash Enclosure Areas**

ADA UNITS	1 BEDROOM	2 BEDROOM	3 BEDROOM	4 BEDROOM	12 OF 347 ADA STALLS	TOTAL	NOTES
5% Mobility	5	5	2	1		13	5% = Minimum of 13 Units
2% Communication	2	2	1	1		6	2% = Minimum of 6 Units

TOTAL SUMMARY	
Total Units	**217**
Total Beds	**411**
Total Stalls	**347**
Parking Ratio	**1.50**
Total GSF	**231,265**
Total FAR	**1.15**
Lot Size	**201,484.16**

BICYCLE PARKING			
		REQUIRED	PROVIDED
Short Term	**1 per 10 units**	**22**	**22**
Long Term	**1 per 2 units**	**109**	**118**

DESIGN PARTNERS INCORPORATED

PROJECT SUMMARY

Kapolei Parkway, Kapolei Hawaii 96707

G.01

GROSS AREA SUMMARY

BUILDING 4-1		
1ST FLOOR		
COMMON AREAS	1,790 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	16,495 SF	
UTILITY ROOM	335 SF	
TOTAL	**18,620 SF**	
BUILDING 4-1		
2ND FLOOR		
COMMON AREAS	1,790 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	16,505 SF	
TOTAL	**18,295 SF**	
BUILDING 4-1		
3RD FLOOR		
COMMON AREAS	1,790 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	16,505 SF	
TOTAL	**18,295 SF**	
BUILDING 4-1		
4TH FLOOR		
COMMON AREAS	970 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	12,370 SF	
TOTAL	**13,340 SF**	
BUILDING 4-2		
1ST FLOOR		
COMMON AREAS	770 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,185 SF	
TOTAL	**5,955 SF**	
BUILDING 4-2		
2ND FLOOR		
COMMON AREAS	770 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,185 SF	
TOTAL	**5,955 SF**	
BUILDING 4-2		
3RD FLOOR		
COMMON AREAS	770 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,185 SF	
TOTAL	**5,955 SF**	

GROSS AREA SUMMARY

BUILDING 4-3		
1ST FLOOR		
COMMON AREAS	1,150 SF	HALLWAY & STAIRS
PRESCHOOL	3,130 SF	
RESIDENTIAL UNITS	2,590 SF	
TOTAL	**6,870 SF**	
BUILDING 4-3		
2ND FLOOR		
COMMON AREAS	1,150 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,185 SF	
TOTAL	**6,330 SF**	
BUILDING 4-3		
3RD FLOOR		
COMMON AREAS	1,150 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,185 SF	
TOTAL	**6,330 SF**	
BUILDING 4-4		
1ST FLOOR		
COMMON AREAS	1,305 SF	HALLWAY & STAIRS
OFFICE	780 SF	
RECREATION AREA	780 SF	
RESIDENTIAL UNITS	9,740 SF	
TOTAL	**12,610 SF**	
BUILDING 4-4		
2ND FLOOR		
COMMON AREAS	1,305 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	11,300 SF	
TOTAL	**12,610 SF**	
BUILDING 4-4		
3RD FLOOR		
COMMON AREAS	1,305 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	11,300 SF	
TOTAL	**12,610 SF**	
BUILDING 4-4		
4TH FLOOR		
COMMON AREAS	485 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	6,200 SF	
TOTAL	**6,685 SF**	

GROSS AREA SUMMARY

BUILDING 4-5		
1ST FLOOR		
COMMON AREAS	2,280 SF	HALLWAY & STAIRS
OFFICE	565 SF	
RESIDENTIAL UNITS	13,980 SF	
TOTAL	**16,825 SF**	
BUILDING 4-5		
2ND FLOOR		
COMMON AREAS	2,280 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	13,990 SF	
TOTAL	**16,275 SF**	
BUILDING 4-5		
3RD FLOOR		
COMMON AREAS	2,280 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	13,990 SF	
TOTAL	**16,275 SF**	
BUILDING 4-5		
4TH FLOOR		
COMMON AREAS	485 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	6,200 SF	
TOTAL	**6,685 SF**	
BUILDING 4-6		
1ST FLOOR		
COMMON AREAS	1,150 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,180 SF	
UTILITY ROOM	410 SF	
TOTAL	**6,740 SF**	
BUILDING 4-6		
2ND FLOOR		
COMMON AREAS	1,150 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,180 SF	
TOTAL	**6,330 SF**	
BUILDING 4-6		
3RD FLOOR		
COMMON AREAS	1,150 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	5,180 SF	
TOTAL	**6,330 SF**	

Kapolei Parkway

Kamaaha Avenue

Alohikea Street

Village Walk

PROPERTY LINE

SETBACK LINE

BUILDING 4-1
18620 SF
UNIT 2A
UNIT 1A
UNIT 4ADA
UNIT 2B
UNIT 1B
UTILITY ROOM 335 SF

BUILDING 4-2
5955 SF
UNIT 2A
UNIT 1A

BUILDING 4-6
6740 SF
UNIT 2A
UNIT 1A
UTILITY ROOM 410 SF

PARKING STRUCTURE
PARKING LOT A
265 PARKING STALLS
10 ADA STALLS
UP
LDRY 195 SF
BIKE PARKING STALLS 900 SF
BIKE PARKING STALLS 975 SF
LDRY 195 SF
LDRY 195 SF
BIKE PARKING STALLS 950 SF
LDRY 195 SF

DRIVEWAY
RAMP

BUILDING 4-3
3740 SF
UNIT 2A
UNIT 1A
PRESCHOOL
3130 SF

BUILDING 4-5
16280 SF
UNIT 3A
UNIT 2A
UNIT 1A
UNIT 1B
UNIT 2B
UNIT 2ADA
OFFICE 565 SF

BUILDING 4-4
11835 SF
OFFICE 780 SF
REC 2 780 SF

TRASH 600 SF
LOADING

PARKING LOT B
68 ARKING STALLS
4 ADA STALLS
1 LOADING BAY 8'-6" x 19'-0"
1 LOADING BAY 12'-0" x 35'-0"

ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE
SCALE: 1" = 40'-0"
0 10' 20' 40' 80'

PLAN NORTH

DESIGN PARTNERS INCORPORATED

FIRST FLOOR PLAN - LOT 4

Kapolei Parkway, Kapolei Hawaii 96707

A1.01

Kapolei Parkway

Kamaaha Avenue

Alohikea Street

PROPERTY LINE

SETBACK LINE

10'-0"

110'-10"

18'-2"

322'-9"

16'-0"

104'-4"

19'-2"

62'-4"

58'-0"

284'-2"

16'-2"

BUILDING 4-1
18295 SF

BUILDING 4-2
5955 SF

BUILDING 4-6
6330 SF

BUILDING 4-3
6330 SF

BUILDING 4-5
16275 SF

BUILDING 4-4
12610 SF

UNIT 1A
UNIT 2A
UNIT 3A
UNIT 1B
UNIT 2B

STO.
135 SF

PARKING STRUCTURE

117'-4"

24'-8"
DRIVEWAY

24'-0"
RAMP

27'-6"
DRIVEWAY

118'-4"

80'-8"

63'-8"

48'-0"

16'-0"

287'-0"

223'-5"

ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- COMMON AREA

Village Walk

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

SECOND FLOOR PLAN - LOT 4

Kapolei Parkway, Kapolei Hawaii 96707

A1.02

DESIGN PARTNERS INCORPORATED

Kapolei Parkway

Kamaaha Avenue

Alohikea Street

Village Walk

PROPERTY LINE

SETBACK LINE

BUILDING 4-1
18295 SF

BUILDING 4-2
5955 SF

BUILDING 4-3
6330 SF

BUILDING 4-4
12610 SF

BUILDING 4-5
16275 SF

BUILDING 4-6
6330 SF

PARKING STRUCTURE

STO.
135 SF

DRIVEWAY

RAMP

ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

DESIGN PARTNERS INCORPORATED

THIRD FLOOR PLAN - LOT 4 A1.03

Kapolei Parkway, Kapolei Hawaii 96707

Kapolei Parkway

Kamaaha Avenue

Alohikea Street

PROPERTY LINE

SETBACK LINE

235'-10"

UNIT 4B | UNIT 4B | UNIT 4B | UNIT 4B | UNIT 4B | UNIT 4B | UNIT 4B | UNIT 4B

BUILDING 4-1

13340 SF

UNIT 3B | UNIT 3B | UNIT 3B | UNIT 3B | UNIT 3B | UNIT 3B | UNIT 3B | UNIT 3B

56'-0"

284'-2"

117'-4"

UNIT 3B | UNIT 3B | UNIT 3B | UNIT 3B

BUILDING 4-5

6685 SF

UNIT 4B | UNIT 4B | UNIT 4B | UNIT 4B

UNIT 3B | UNIT 3B | UNIT 3B | UNIT 3B

BUILDING 4-4

6685 SF

UNIT 4B | UNIT 4B | UNIT 4B | UNIT 4B

56'-0"

252'-5"

ROOM TYPES LEGEND

- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

Village Walk

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

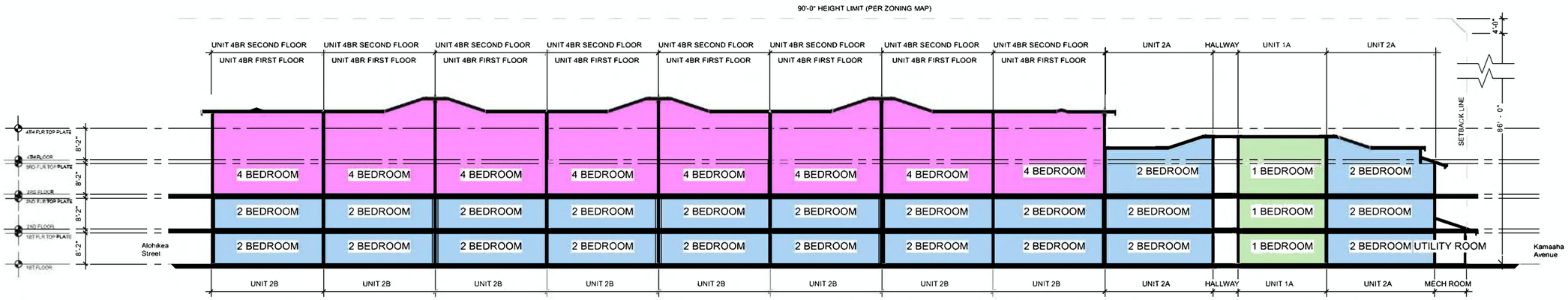
PLAN NORTH

FOURTH FLOOR PLAN - LOT 4

Kapolei Parkway, Kapolei Hawaii 96707

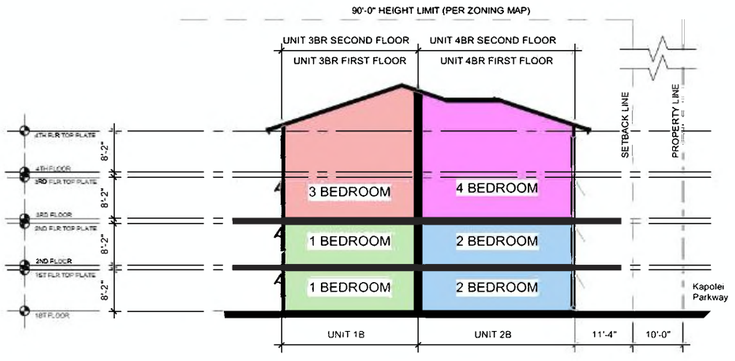
A1.04

DESIGN PARTNERS INCORPORATED



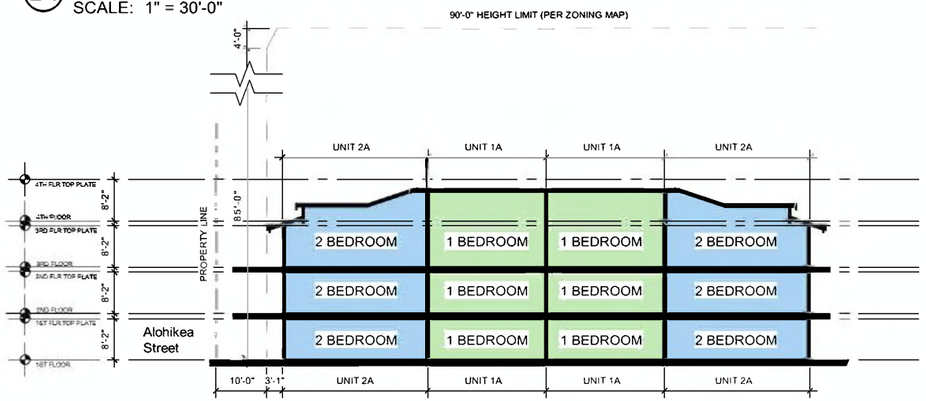
C1 LOT 4 BUILDING 1 LONGITUNIDAL SECTION

SCALE: 1" = 30'-0"



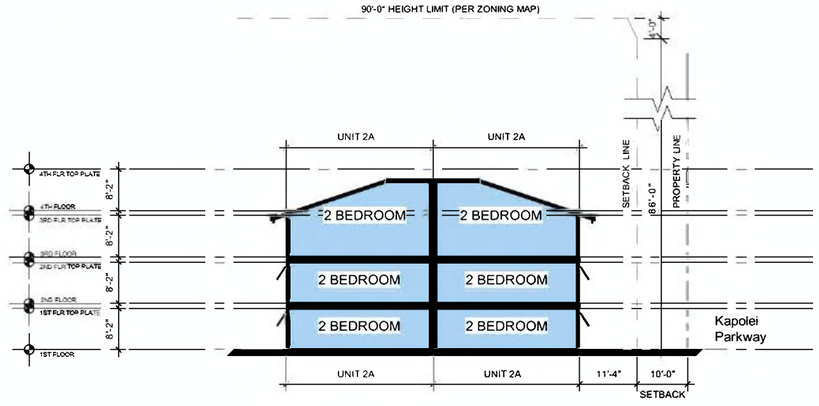
B1 LOT 4 BUILDING 1 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 2 LONGITUNIDAL SECTION

SCALE: 1" = 30'-0"



B2 LOT 4 BUILDING 2 CROSS SECTION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

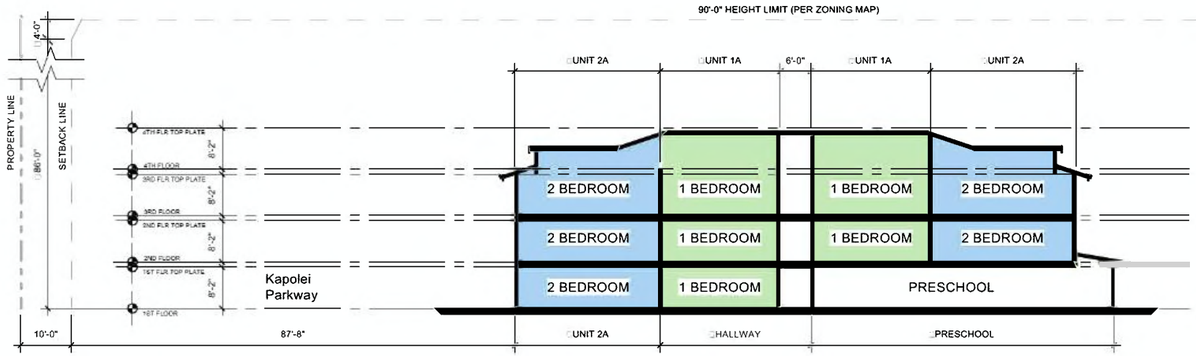
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING SECTION - BUILDING 1 & 2

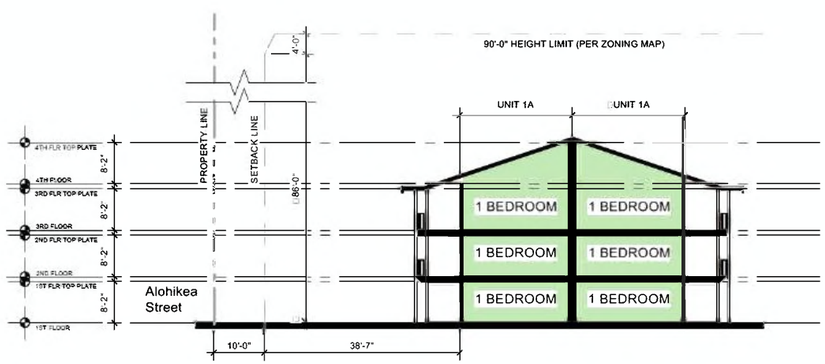
Kapolei Parkway, Kapolei Hawaii 96707

A2.01



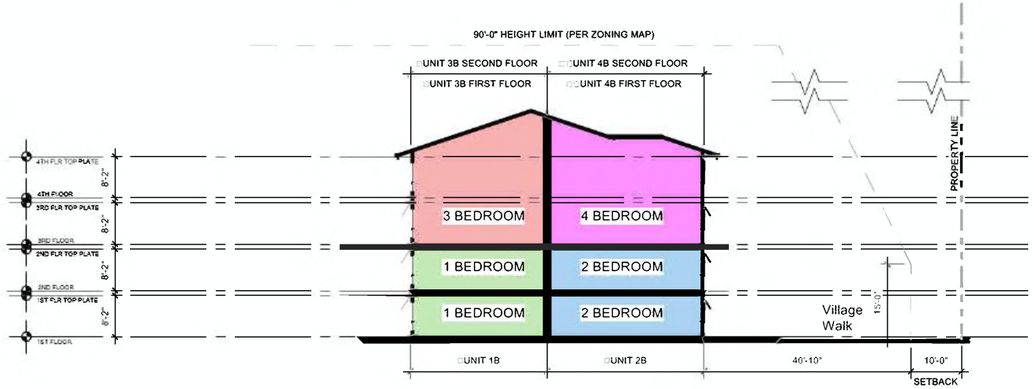
C1 LOT 4 BUILDING 3 LONGITUNIDAL SECTION

SCALE: 1" = 30'-0"



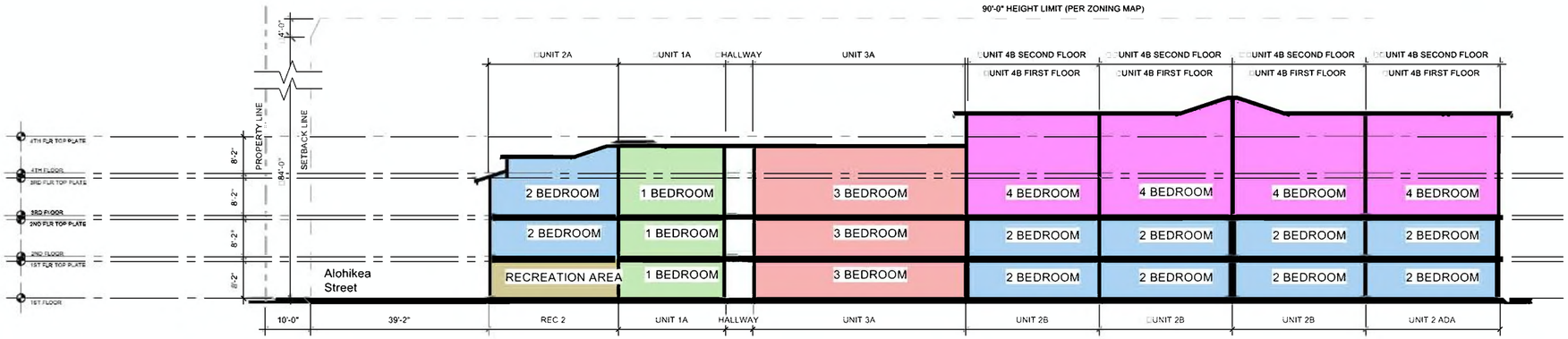
B1 LOT 4 BUILDING 3 CROSS SECTION

SCALE: 1" = 30'-0"



B2 LOT 4 BUILDING 4 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 4 LONGITUNIDAL SECTION

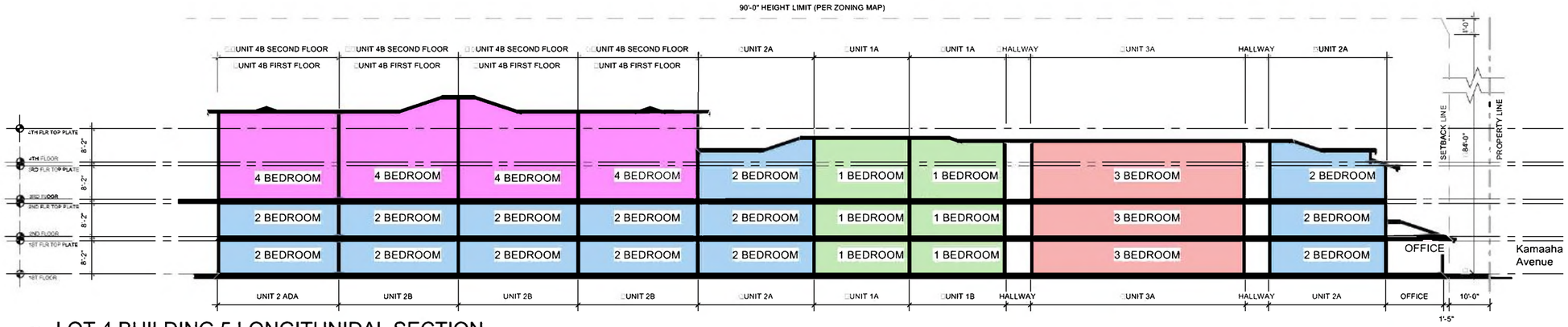
SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

BUILDING SECTION - BUILDING 3 & 4

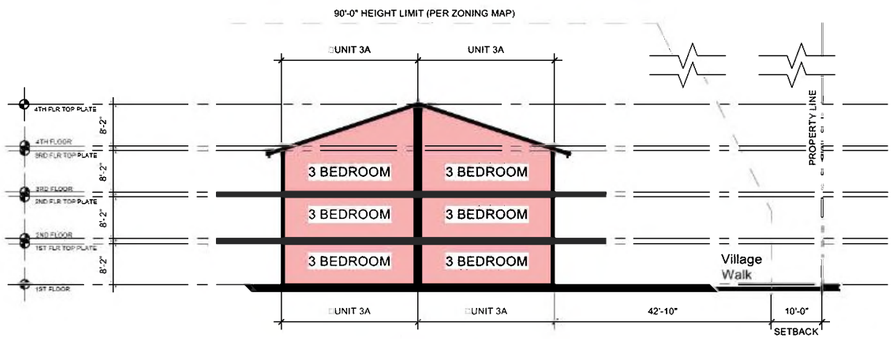
Kapolei Parkway, Kapolei Hawaii 96707

A2.02



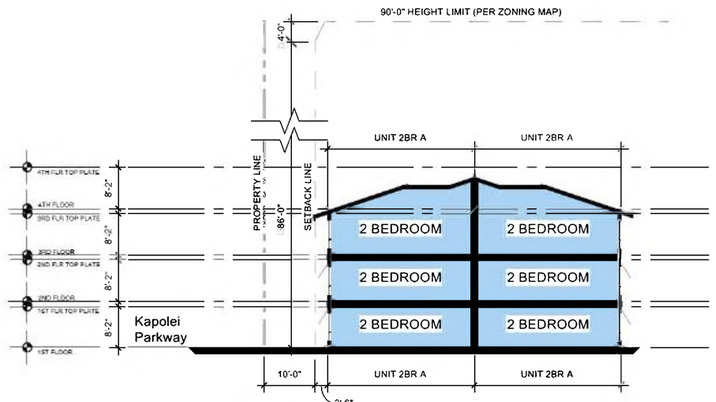
C1 LOT 4 BUILDING 5 LONGITUNIDAL SECTION

SCALE: 1" = 30'-0"



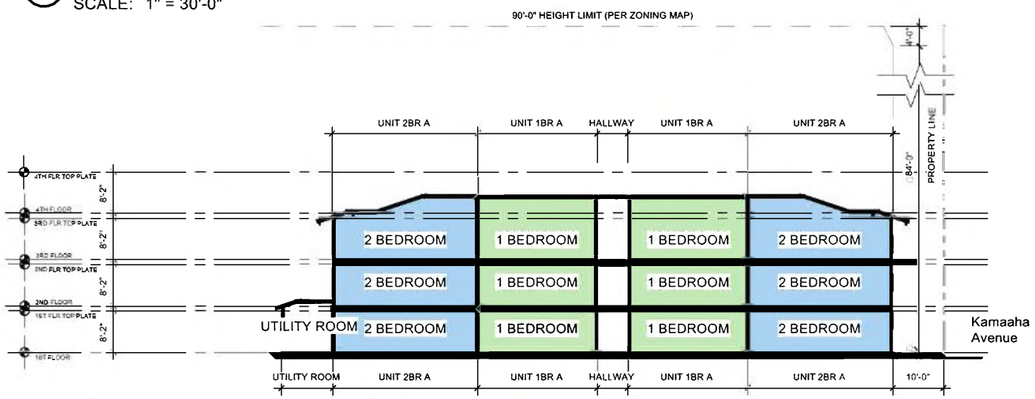
B1 LOT 4 BUILDING 5 CROSS SECTION

SCALE: 1" = 30'-0"



B2 LOT 4 BUILDING 6 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 6 LONGITUNIDAL SECTION

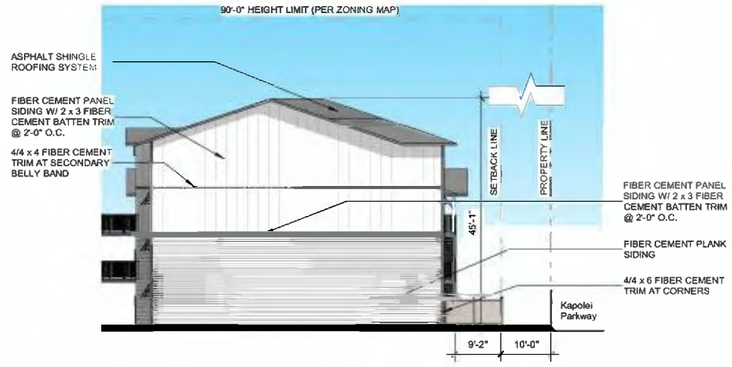
SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

BUILDING SECTION - BUILDING 5 & 6

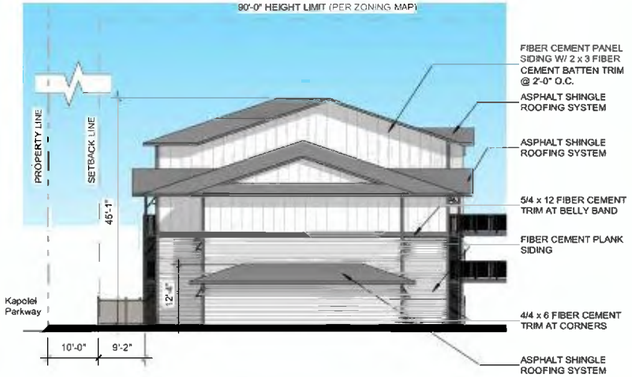
Kapolei Parkway, Kapolei Hawaii 96707

A2.03



C1 LOT 4 BUILDING 1 ELEVATION EAST

SCALE: 1" = 30'-0"



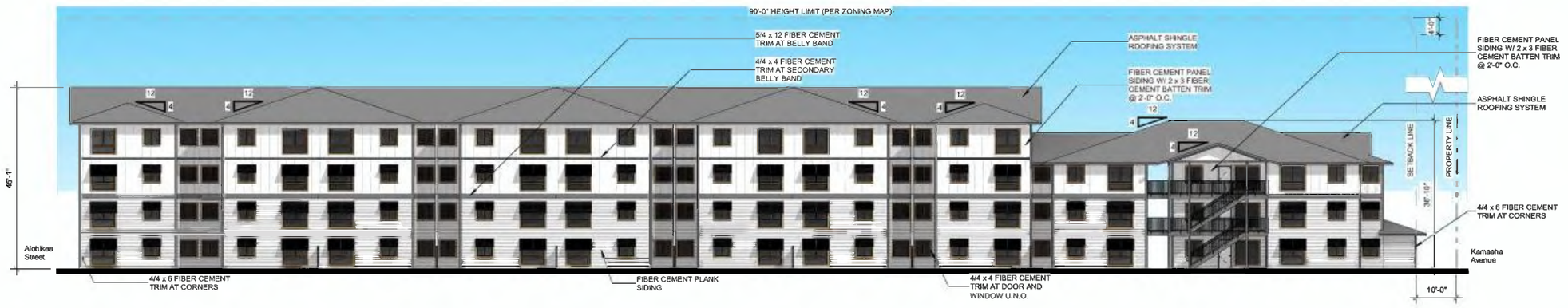
C2 LOT 4 BUILDING 1 ELEVATION WEST

SCALE: 1" = 30'-0"



B1 LOT 4 BUILDING 1 ELEVATION SOUTH

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 1 ELEVATION NORTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 4-1

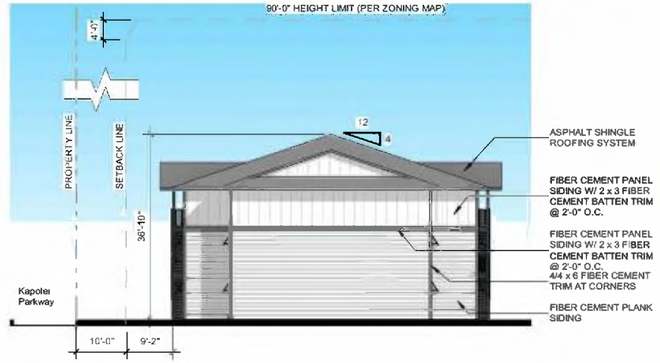
Kapolei Parkway, Kapolei Hawaii 96707

A3.01



B1 LOT 4 BUILDING 2 ELEVATION EAST

SCALE: 1" = 30'-0"



B2 LOT 4 BUILDING 2 ELEVATION WEST

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 2 ELEVATION NORTH

SCALE: 1" = 30'-0"



A2 LOT 4 BUILDING 2 ELEVATION SOUTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

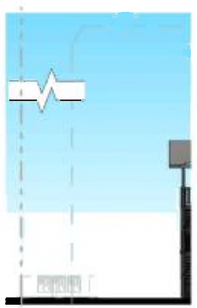
0 5' 10' 30' 60'

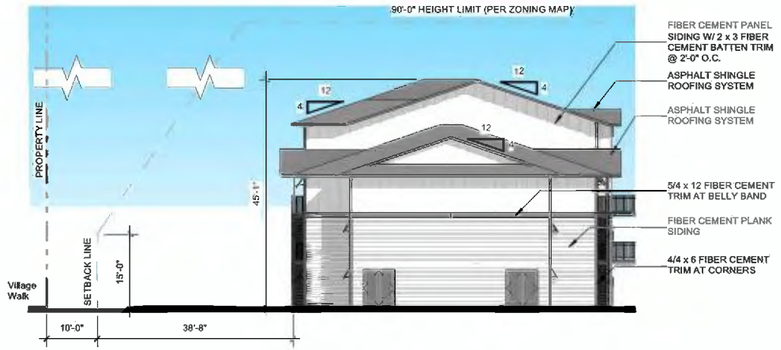
BUILDING ELEVATION - BUILDING 4-2

Kapolei Parkway, Kapolei Hawaii 96707

A3.02

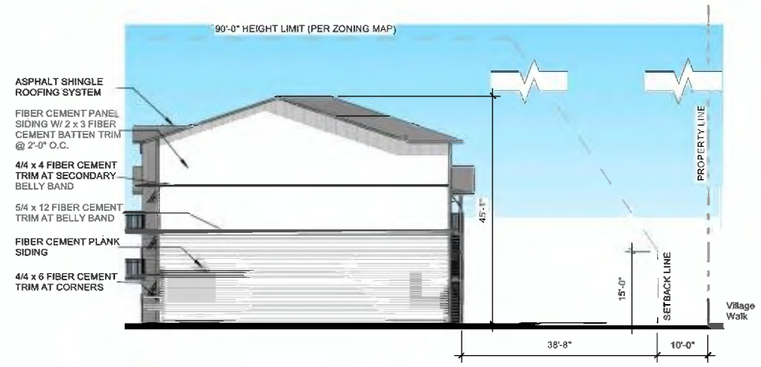






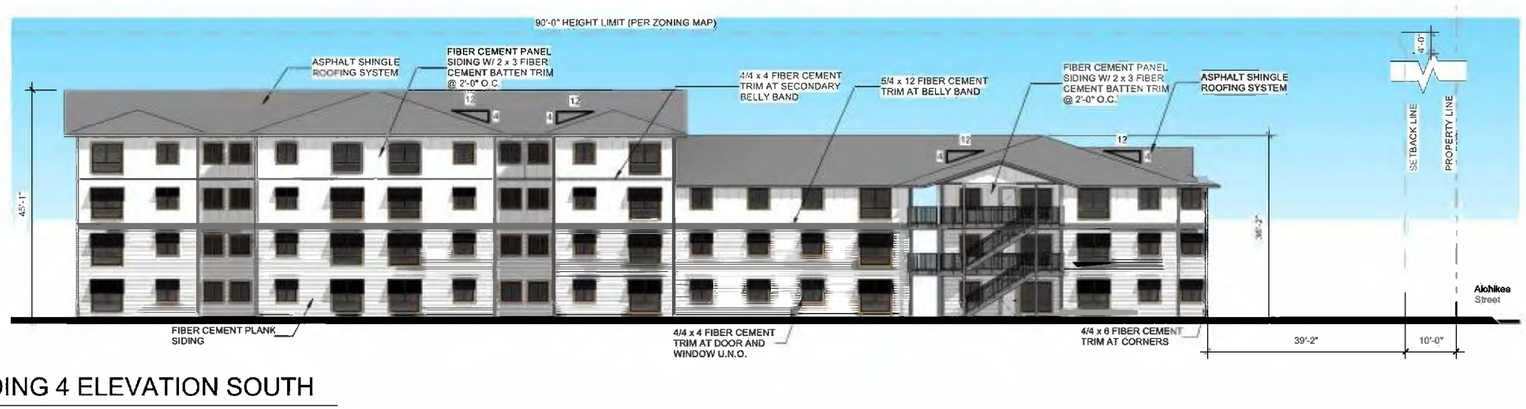
C1 LOT 4 BUILDING 4 ELEVATION EAST

SCALE: 1" = 30'-0"



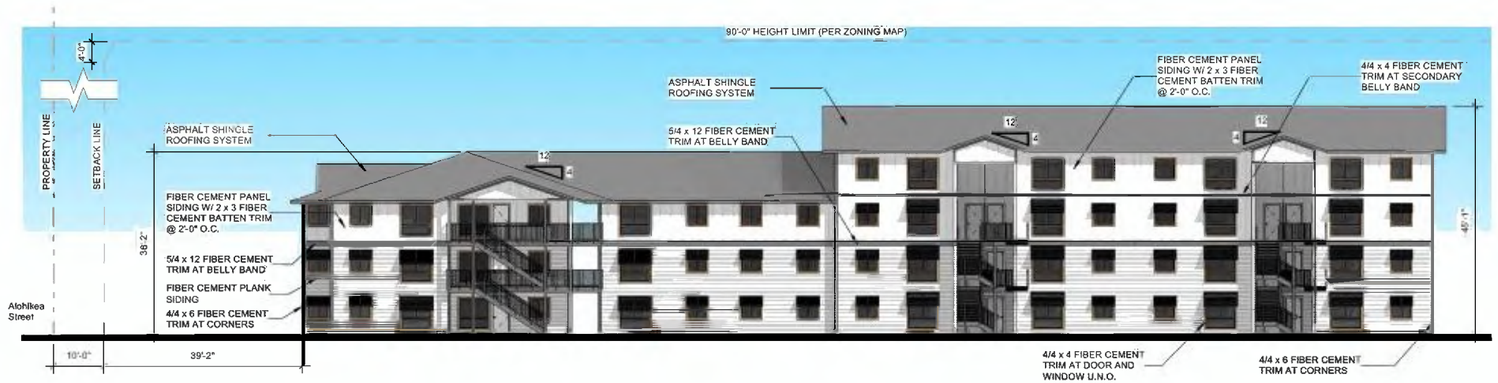
C2 LOT 4 BUILDING 4 ELEVATION WEST

SCALE: 1" = 30'-0"



B1 LOT 4 BUILDING 4 ELEVATION SOUTH

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 4 ELEVATION NORTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

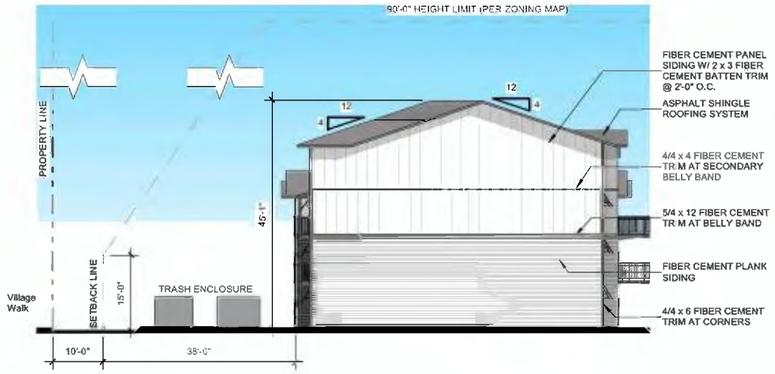
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 4-4

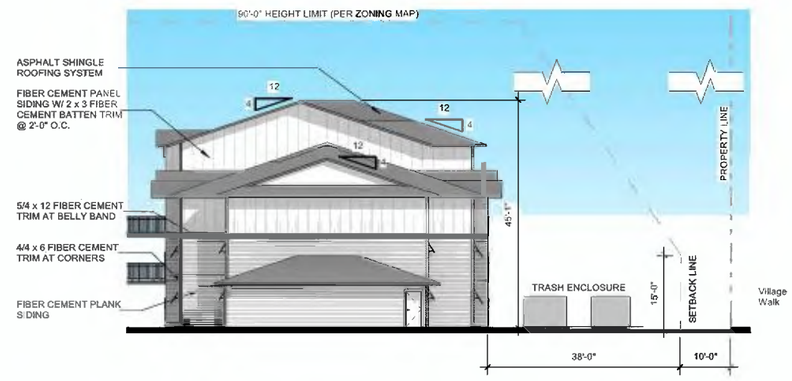
Kapolei Parkway, Kapolei Hawaii 96707

A3.04



C1 LOT 4 BUILDING 5 ELEVATION EAST

SCALE: 1" = 30'-0"



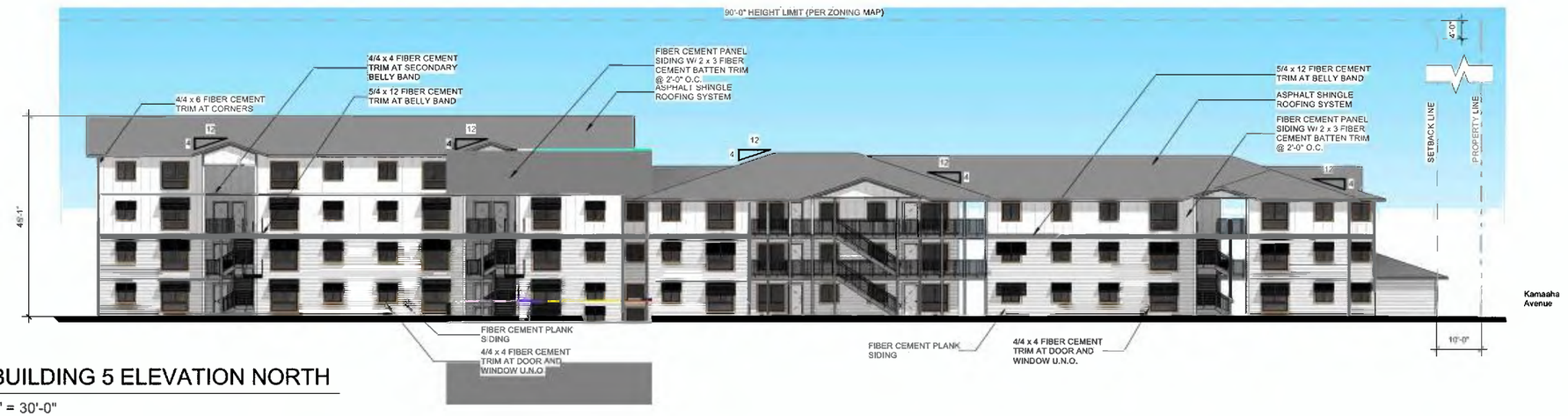
C2 LOT 4 BUILDING 5 ELEVATION WEST

SCALE: 1" = 30'-0"



B1 LOT 4 BUILDING 5 ELEVATION SOUTH

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 5 ELEVATION NORTH

SCALE: 1" = 30'-0"

GRAPHIC SCALE

SCALE: 1" = 30'-0"

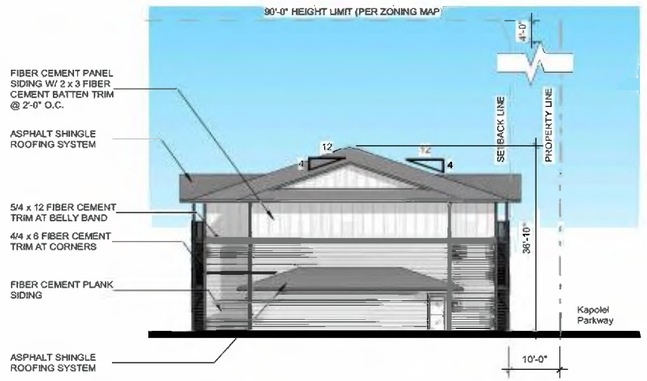
0 5' 10' 30' 60'

DESIGN PARTNERS INCORPORATED

BUILDING ELEVATION - BUILDING 4-5

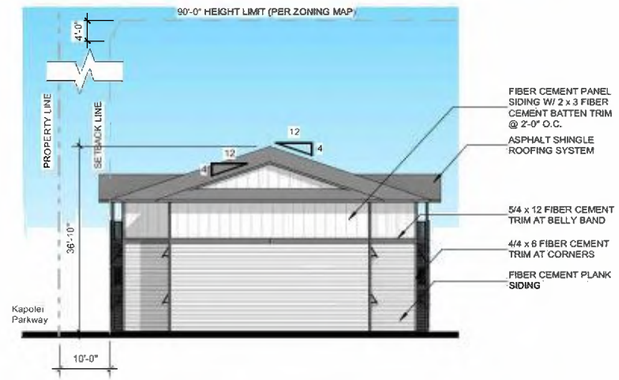
Kapolei Parkway, Kapolei Hawaii 96707

A3.05



B1 LOT 4 BUILDING 6 ELEVATION EAST

SCALE: 1" = 30'-0"



B2 LOT 4 BUILDING 6 ELEVATION WEST

SCALE: 1" = 30'-0"



A1 LOT 4 BUILDING 6 ELEVATION NORTH

SCALE: 1" = 30'-0"



A2 LOT 4 BUILDING 6 ELEVATION SOUTH

SCALE: 1" = 30'-0"

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

DESIGN PARTNERS INCORPORATED

BUILDING ELEVATION - BUILDING 4-6

Kapolei Parkway, Kapolei Hawaii 96707

A3.06

SCHEMATIC DESIGN



DESIGN PARTNERS INCORPORATED

KAPOLEI PARKWAY LOT 5

Kapolei Parkway, Kapolei Hawaii 96707



PROJECT LOCATION - AERIAL VIEW NORTH



EXISTING SITE AERIAL



EXISTING SITE PLAN

DESIGN PARTNERS INCORPORATED

EXISTING SITE PLAN & CONTEXT

Kapolei Parkway, Kapolei Hawaii 96707

A.01

LOT 5 PROGRAM SUMMARY

LEVEL	UNITS PER FLOOR	1 BEDROOM 1 BATH	2 BEDROOM 1 BATH	3 BEDROOM 2 BATH	4 BEDROOM 2 BATH	PARKING STALLS	TOTAL GSF	AMENITIES
BUILDING 5-1								
1		7	11	2	1		19,935	Utility Room
2		8	12	2			19,780	
3		2	6	8	6		19,780	
4							9,970	
ROOF								
BUILDING 5-2								
1		8	4				11,450	Recreation Areas
2		8	6				11,450	
3		4	2	4	4		11,450	
4							6,695	
ROOF								
BUILDING 5-3								
1		6	8	2			14,820	
2		6	[illegible]				14,820	
3			2	[illegible]	6		14,820	
4							10,005	
ROOF								
PARKING STRUCTURE								
1						**63**	2,980	**Laundry Rooms, Parking Garage, Bike Stalls & Trash** Enclosure Areas
2						**60**	680	Storage
3						**61**	790	Storage
OVERALL SITE						**24**		**Parking Areas, Bike Stalls, Mailbox Areas**
TOTAL UNIT MIX	**153**	**49**	**59**	**28**	**17**	**208**	**169,425**	**Trash Enclosure Areas**

TOTAL SUMMARY	
Total Units	**153**
Total Beds	**319**
Total Stalls	**209**
Parking Ratio	**1.23**
Total GSF	**169,425**
Total FAR	**1.28**
Lot Size	**132,201.72**

BICYCLE PARKING			
		REQUIRED	**PROVIDED**
Short Term	**1 per 10 units**	**16**	**16**
Long Term	**1 per 2 units**	**77**	**80**

NOTE: INCLUDES 15 ADA STALLS

ADA UNIT	Key Name	1 BEDROOM	2 BEDROOM	3 BEDROOM	4 BEDROOM	TOTAL	NOTES
5% Mobility		4	3	2	1	10	**5% = Minimum of 8 Units**
2% Communication		1	2	1	1	5	**2% = Minimum of 3 Units**

DESIGN PARTNERS INCORPORATED

PROJECT SUMMARY

Kapolei Parkway, Kapolei Hawaii 96707

G.01

GROSS AREA SUMMARY

BUILDING 5-1		
1ST FLOOR		
COMMON AREAS	2,200 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	17,575 SF	
UTILITY ROOM	160 SF	
TOTAL	**19,935 SF**	
BUILDING 5-1		
2ND FLOOR		
COMMON AREAS	2,200 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	17,580 SF	
TOTAL	**19,780 SF**	
BUILDING 5-1		
3RD FLOOR		
COMMON AREAS	2,200 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	17,580 SF	
TOTAL	**19,780 SF**	
BUILDING 5-1		
4TH FLOOR		
COMMON AREAS	725 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	9,245 SF	
TOTAL	**9,970 SF**	

GROSS AREA SUMMARY

BUILDING 5-2		
1ST FLOOR		
COMMON AREAS	1,650 SF	HALLWAY & STAIRS
RECREATION AREA	1,565 SF	
RESIDENTIAL UNITS	8,235 SF	
TOTAL	**11,450 SF**	
BUILDING 5-2		
2ND FLOOR		
COMMON AREAS	1,650 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	9,800 SF	
TOTAL	**11,450 SF**	
BUILDING 5-2		
3RD FLOOR		
COMMON AREAS	1,650 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	9,800 SF	
TOTAL	**11,450 SF**	
BUILDING 5-2		
4TH FLOOR		
COMMON AREAS	505 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	6,190 SF	
TOTAL	**6,695 SF**	

GROSS AREA SUMMARY

BUILDING 5-3		
1ST FLOOR		
COMMON AREAS	1,370 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	13,455 SF	
TOTAL	**14,820 SF**	
BUILDING 5-3		
2ND FLOOR		
COMMON AREAS	1,370 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	13,455 SF	
TOTAL	**14,820 SF**	
BUILDING 5-3		
3RD FLOOR		
COMMON AREAS	1,370 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	13,455 SF	
TOTAL	**14,820 SF**	
BUILDING 5-3		
4TH FLOOR		
COMMON AREAS	760 SF	HALLWAY & STAIRS
RESIDENTIAL UNITS	9,250 SF	
TOTAL	**10,005 SF**	



ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE

SCALE: 1" = 40'-0"

0 10' 20' 40' 80'

PLAN NORTH

FIRST FLOOR PLAN - LOT 5

Kapolei Parkway, Kapolei Hawaii 96707

A1.01

DESIGN PARTNERS INCORPORATED





ROOM TYPES LEGEND

- 1 BEDROOM TYPES
- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 40'-0" 0 10' 20' 40' 80'

PLAN NORTH

THIRD FLOOR PLAN - LOT 5

Kapolei Parkway, Kapolei Hawaii 96707

A1.03



ROOM TYPES LEGEND

- 2 BEDROOM TYPES
- 3 BEDROOM TYPES
- 4 BEDROOM TYPES
- COMMON AREA

GRAPHIC SCALE

SCALE: 1" = 40'-0"

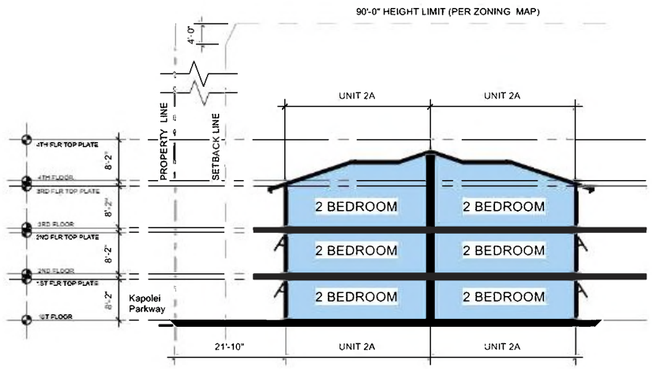
0 10' 20' 40' 80'

PLAN NORTH

DESIGN PARTNERS INCORPORATED

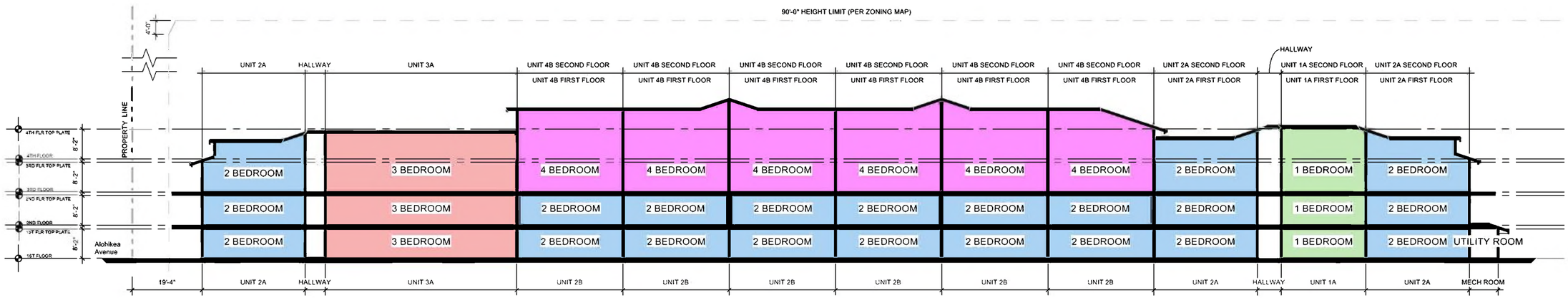
FOURTH FLOOR PLAN - LOT 5 A1.04

Kapolei Parkway, Kapolei Hawaii 96707



B1 LOT 5 BUILDING 1 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 5 BUILDING 1 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

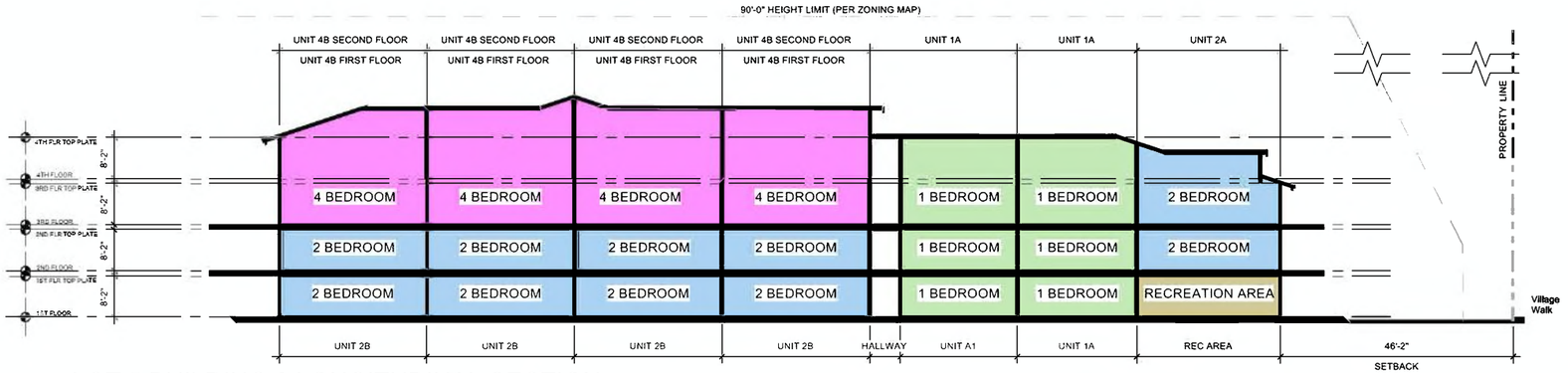
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING SECTION - BUILDING 1

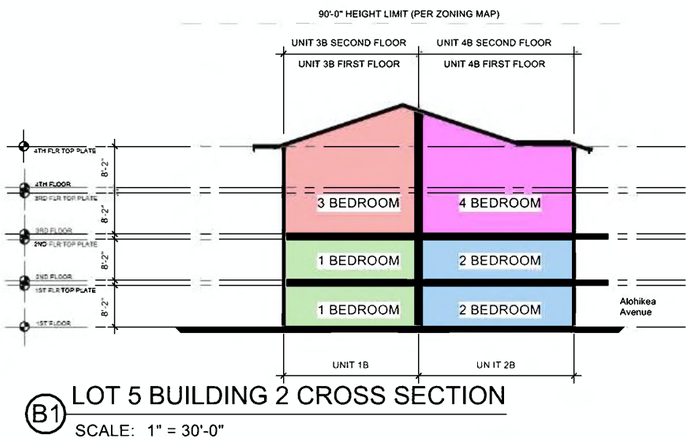
Kapolei Parkway, Kapolei Hawaii 96707

A2.01



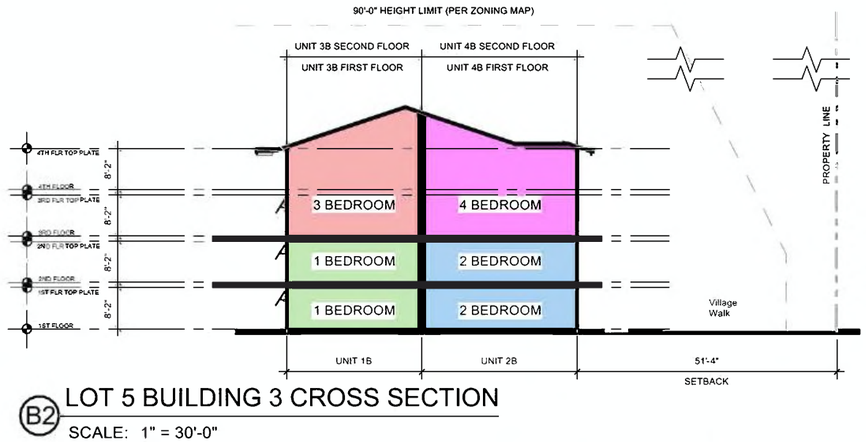
C1 LOT 5 BUILDING 2 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"



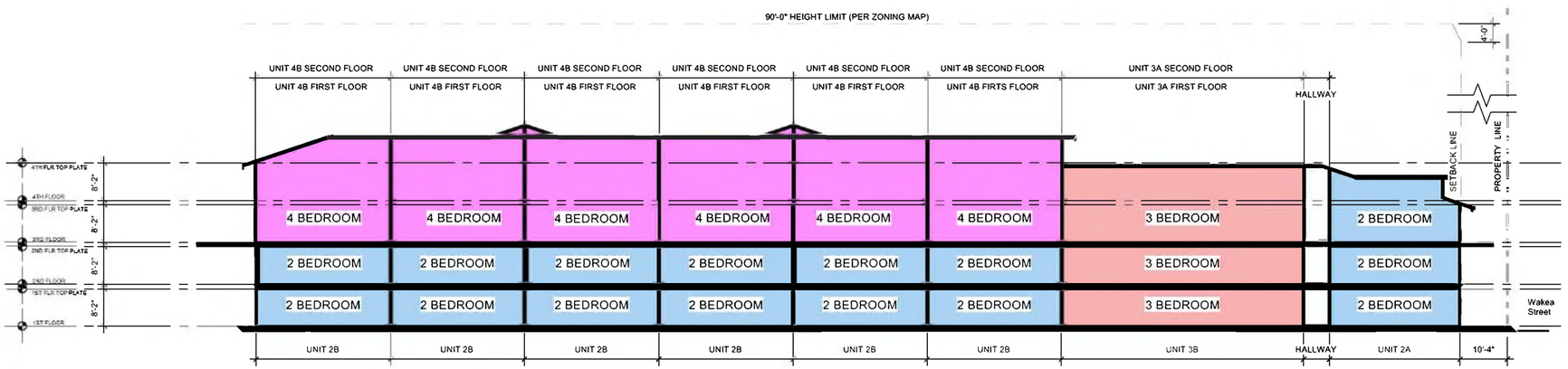
B1 LOT 5 BUILDING 2 CROSS SECTION

SCALE: 1" = 30'-0"



B2 LOT 5 BUILDING 3 CROSS SECTION

SCALE: 1" = 30'-0"



A1 LOT 5 BUILDING 3 LONGITUDINAL SECTION

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING SECTION - BUILDING 2 & 3

Kapolei Parkway, Kapolei Hawaii 96707

A2.02



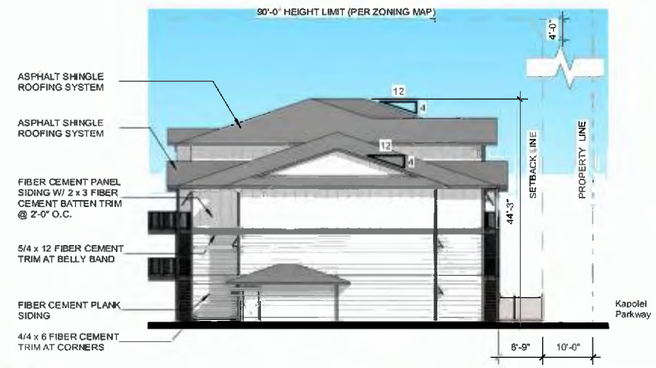
C1 LOT 5 BUILDING 1 ELEVATION SOUTH

SCALE: 1" = 30'-0"



B1 LOT 5 BUILDING 1 ELEVATION WEST

SCALE: 1" = 30'-0"



B2 LOT 5 BUILDING 1 ELEVATION EAST

SCALE: 1" = 30'-0"



A1 LOT 5 BUILDING 1 ELEVATION NORTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATIONS - BUILDING 1

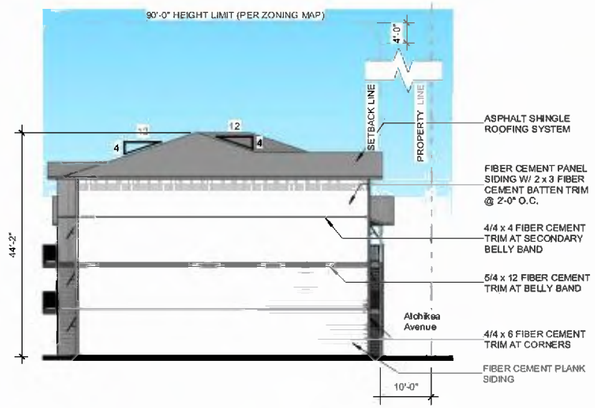
Kapolei Parkway, Kapolei Hawaii 96707

A3.01



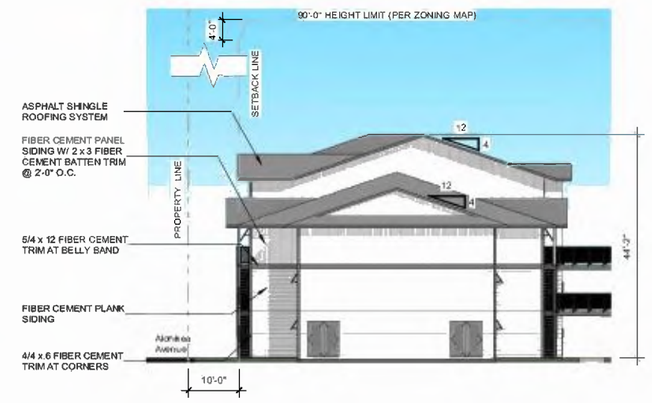
B1 LOT 5 BUILDING 2 ELEVATION WEST

SCALE: 1" = 30'-0"



A1 LOT 5 BUILDING 2 ELEVATION NORTH

SCALE: 1" = 30'-0"



B2 LOT 5 BUILDING 2 ELEVATION SOUTH

SCALE: 1" = 30'-0"



A2 LOT 5 BUILDING 2 ELEVATION EAST

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 2

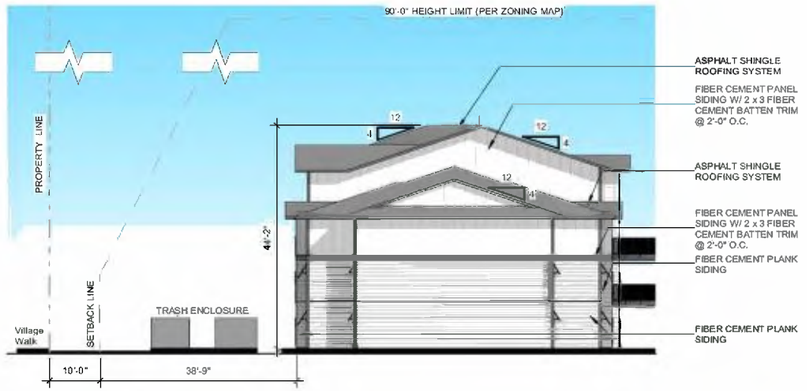
Kapolei Parkway, Kapolei Hawaii 96707

A3.02



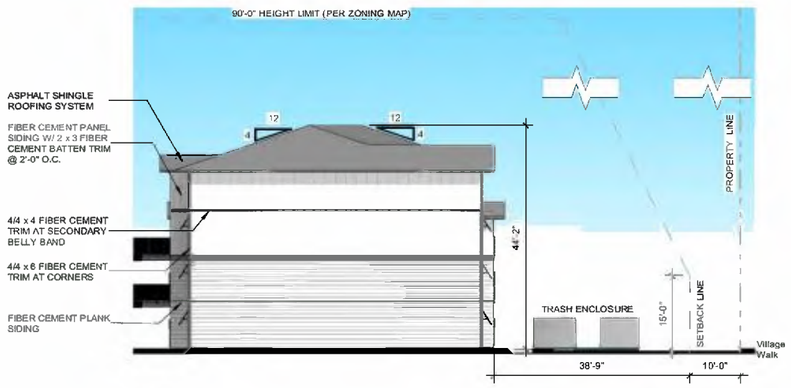
C1 LOT 5 BUILDING 3 ELEVATION SOUTH

SCALE: 1" = 30'-0"



B1 LOT 5 BUILDING 3 ELEVATION EAST

SCALE: 1" = 30'-0"



B2 LOT 5 BUILDING 3 ELEVATION WEST

SCALE: 1" = 30'-0"



A1 LOT 5 BUILDING 3 ELEVATION NORTH

SCALE: 1" = 30'-0"

DESIGN PARTNERS INCORPORATED

GRAPHIC SCALE

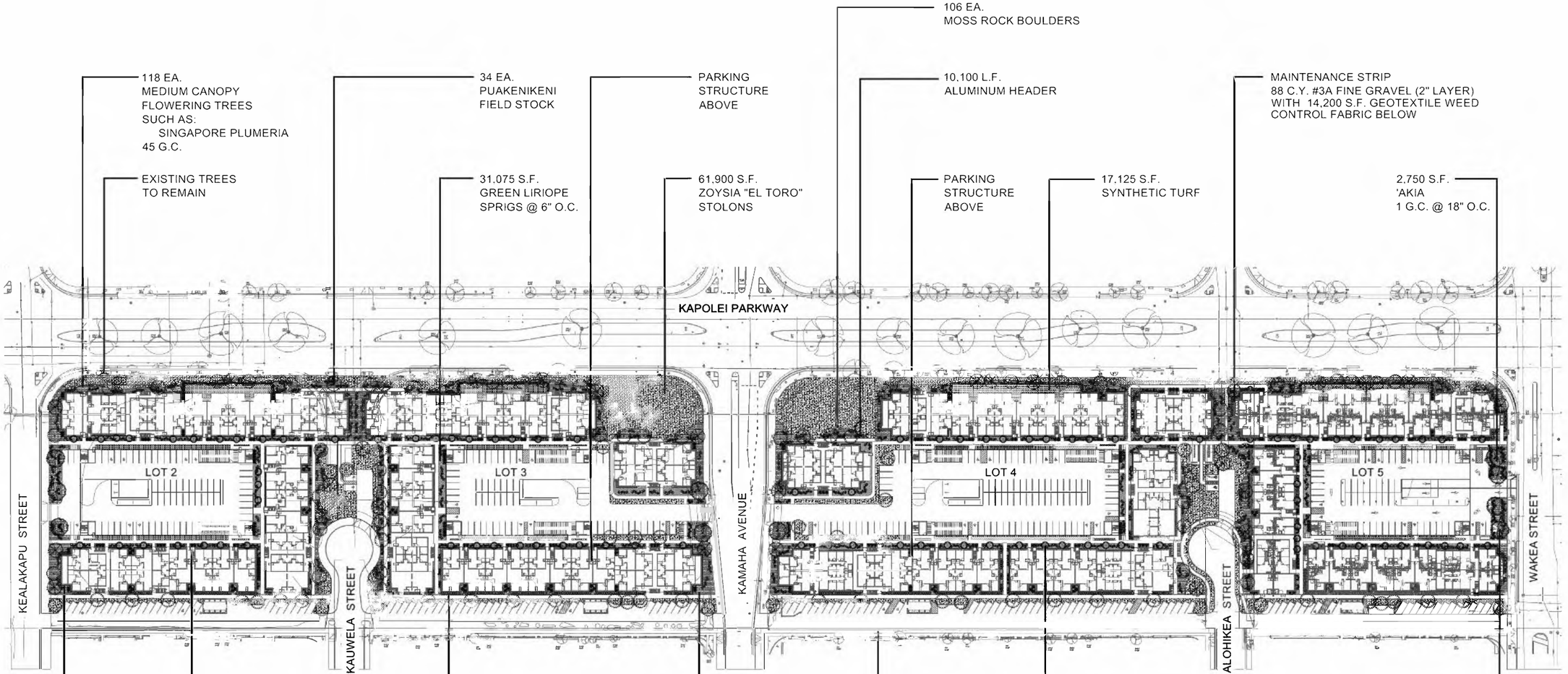
SCALE: 1" = 30'-0"

0 5' 10' 30' 60'

BUILDING ELEVATION - BUILDING 3

Kapolei Parkway, Kapolei Hawaii 96707

A3.03



118 EA.
MEDIUM CANOPY
FLOWERING TREES
SUCH AS:
SINGAPORE PLUMERIA
45 G.C.

EXISTING TREES
TO REMAIN

34 EA.
PUAKENIKENI
FIELD STOCK

31,075 S.F.
GREEN LIRIOPE
SPRIGS @ 6" O.C.

PARKING
STRUCTURE
ABOVE

61,900 S.F.
ZOYSIA "EL TORO"
STOLONS

106 EA.
MOSS ROCK BOULDERS

10,100 L.F.
ALUMINUM HEADER

PARKING
STRUCTURE
ABOVE

17,125 S.F.
SYNTHETIC TURF

MAINTENANCE STRIP
88 C.Y. #3A FINE GRAVEL (2" LAYER)
WITH 14,200 S.F. GEOTEXTILE WEED
CONTROL FABRIC BELOW

2,750 S.F.
'AKIA
1 G.C. @ 18" O.C.

294 EA.
SHADE TOLERANT SHRUBS
SUCH AS:
RHAPIS
7 G.C.

601 EA.
FLOWERING SHRUBS
SUCH AS:
SHELL GINGER
GIANT HELICONIA
RED GINGER
5 G.C.

2,058 EA.
NATIVE SHRUBS
SUCH AS:
'A'ALI'I
NANU
"PARAKEET" HELICONIA
"QUEEN EMMA" SPIDER LILY
TIARE GARDENIA
5 G.C.

41,425 S.F.
POHINAHINA
1 G.C. @ 18" O.C.

VILLAGE WALK

96 EA.
SMALL CANOPY
FLOWERING TREES
SUCH AS:
DWARF PLUMERIA
'OHI'A LEHUA MAMO
25 G.C.

10 EA.
PAK LAN
FIELD STOCK

NOTES:
1. AN AUTOMATIC IRRIGATION SYSTEM WILL BE INSTALLED FOR ALL PLANTING AREAS UTILIZING AN R-1 SOURCE AT THE PERIMETER. THE INTERIOR WILL UTILIZE POTABLE WATER.
2. ALL NEW ABOVE GROUND AND BURIED NON-POTABLE AND RECYCLED WATER PIPING, EQUIPMENT, AND APPURTENANCES SHALL BE COLOR-CODED PURPLE TO DIFFERENTIATE EQUIPMENT FROM THOSE USING POTABLE WATER.
3. THE RECYCLED WATER SYSTEM SHALL CONFORM TO ALL REQUIREMENTS OF "GUIDELINES FOR THE TREATMENT AND USE OF RECYCLED WATER" BY THE DEPARTMENT OF HEALTH, STATE OF HAWAII, DATED MAY 2002.

0 150' 300'

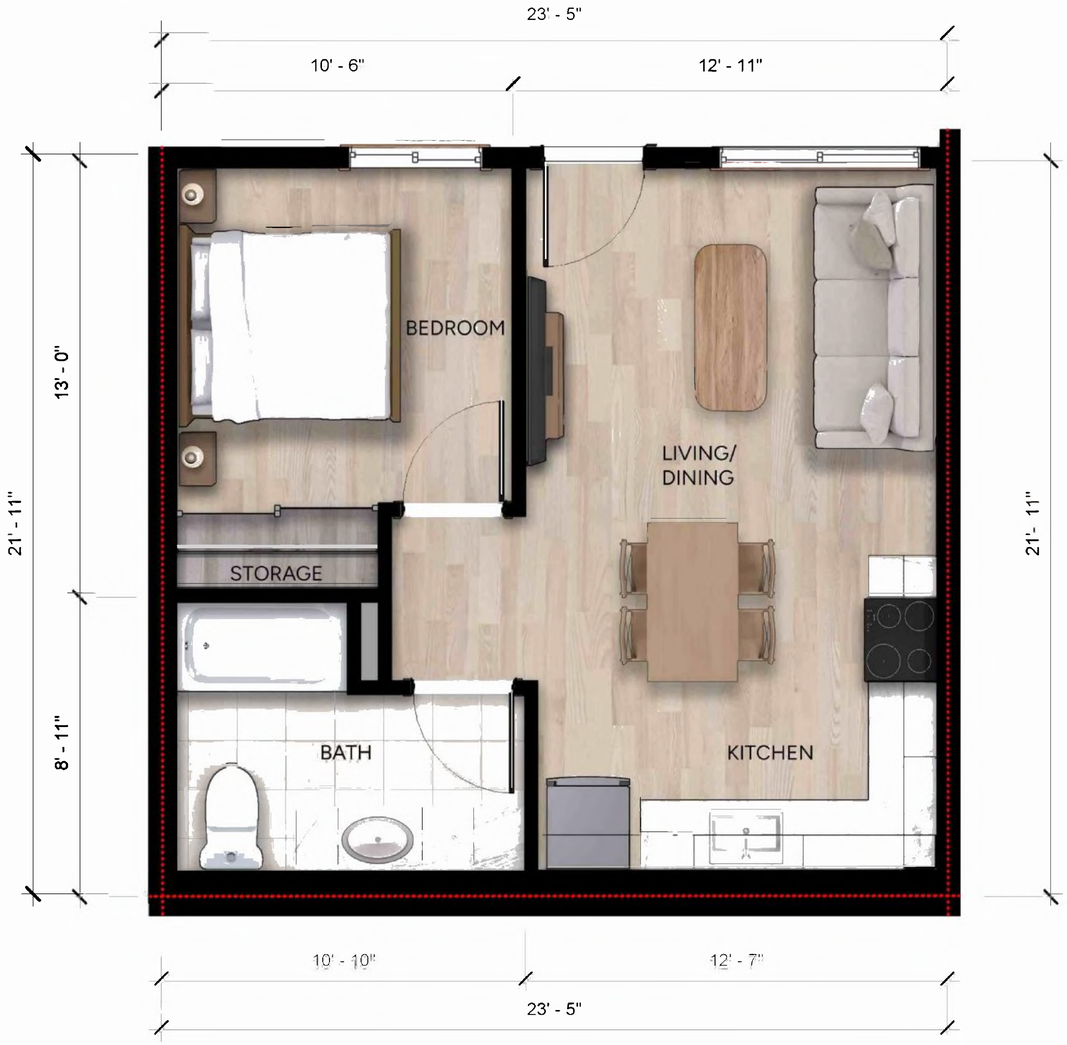
Scale: 1" = 150'-0"

DESIGN PARTNERS INCORPORATED

CONCEPTUAL LANDSCAPE PLAN

Kapolei Parkway, Kapolei Hawaii 96707

L.01



UNIT 1-BR 'A'
(515.00 SF)



UNIT 1-BR 'B'
(629.00 SF)

KAPOLEI PARKWAY LOT 05
KAPOLEI, HAWAII

GRAPHIC SCALE
SCALE: 3/16" = 1'-0"
0 5' 10'

DESIGN PARTNERS INCORPORATED

KOBAYASHI GROUP

TYPICAL UNIT LAYOUTS
10 DECEMBER, 2025



UNIT 2-BR 'A'
(786.00 SF)



UNIT 2-BR 'B'
(892.00 SF)

KAPOLEI PARKWAY LOT 05
KAPOLEI, HAWAII

TYPICAL UNIT LAYOUTS
10 DECEMBER, 2025

GRAPHIC SCALE
SCALE: 3/16" = 1'-0"
0 5' 10'

DESIGN PARTNERS INCORPORATED

KOBAYASHI GROUP



UNIT 3-BR 'A' /ADA

(1271.00 SF)

KAPOLEI PARKWAY LOT 05

KAPOLEI, HAWAII

GRAPHIC SCALE

SCALE: 3/16" = 1'-0" 0 5' 10'

TYPICAL UNIT LAYOUTS

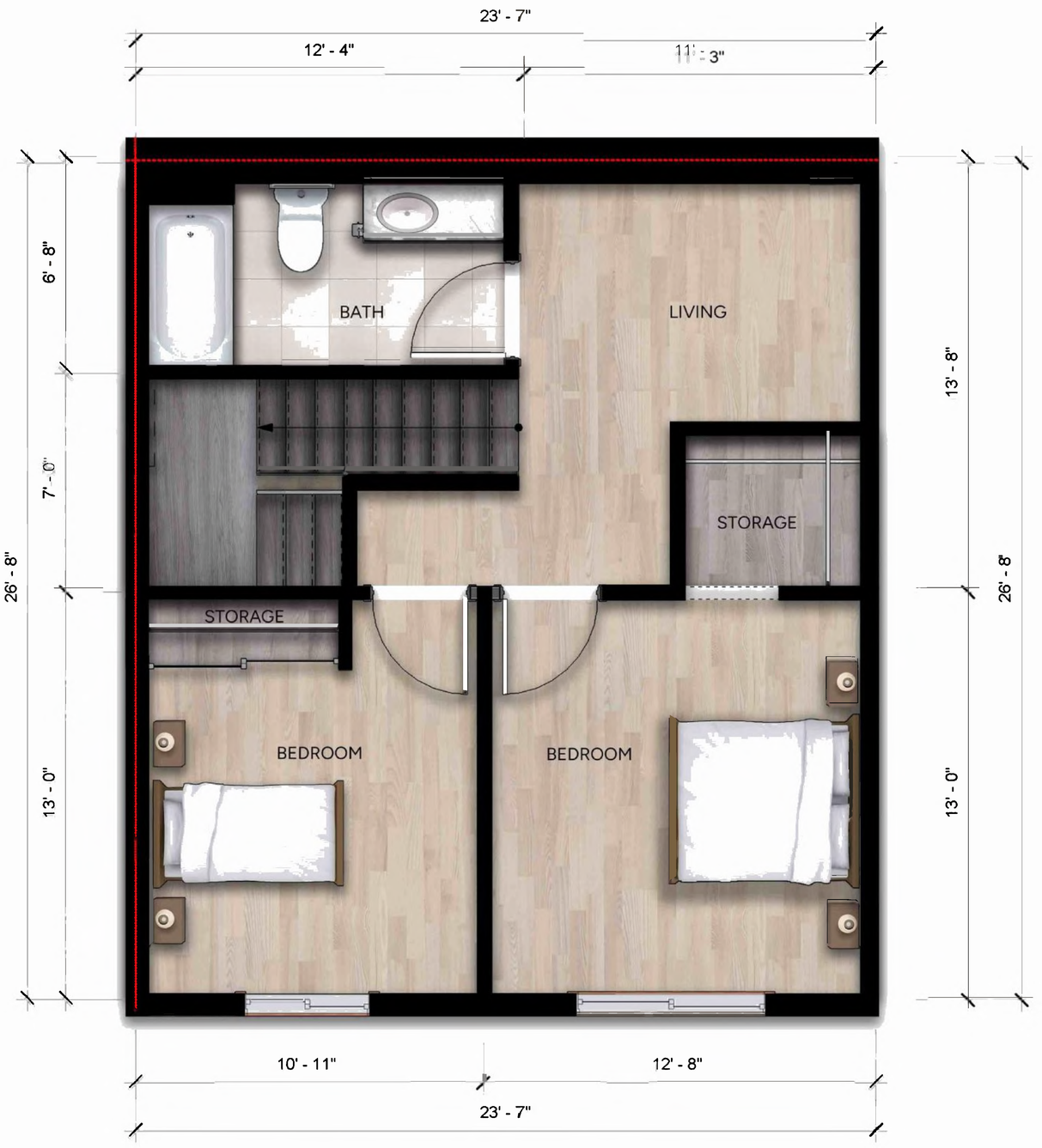
10 DECEMBER, 2025

DESIGN PARTNERS INCORPORATED

KOBAYASHI GROUP



UNIT 3-BR 'B' LOWER LEVEL
(629.00 SF)



UNIT 3-BR 'B' UPPER LEVEL
(629.00 SF)

KAPOLEI PARKWAY LOT 05
KAPOLEI, HAWAII

GRAPHIC SCALE
SCALE: 3/16" = 1'-0"
0 5' 10'

DESIGN PARTNERS INCORPORATED

KOBAYASHI GROUP

TYPICAL UNIT LAYOUTS
10 DECEMBER, 2025



UNIT 4-BR 'A' /ADA

(1301.00 SF)

KAPOLEI PARKWAY LOT 05

KAPOLEI, HAWAII

GRAPHIC SCALE

SCALE: 3/16" = 1'-0" 0 5' 10'

DESIGN PARTNERS INCORPORATED

KOBAYASHI GROUP

TYPICAL UNIT LAYOUTS

10 DECEMBER, 2025



UNIT 4-BR 'B' LOWER LEVEL
(892.00 SF)



UNIT 4-BR 'B' UPPER LEVEL
(892.00 SF)

KAPOLEI PARKWAY LOT 05
KAPOLEI, HAWAII

TYPICAL UNIT LAYOUTS
10 DECEMBER, 2025

GRAPHIC SCALE
SCALE: 3/16" = 1'-0"
0 5' 10'

DESIGN PARTNERS INCORPORATED

KOBAYASHI GROUP

Appendix 4

Traffic Impact Report by Wilson Okamoto Corporation, December 2025

Traffic Impact Report

Kapolei Parkway Lots 2-5 Development



Prepared for:
The Kobayashi Group

Prepared by:
Wilson Okamoto Corporation

December 2025

TRAFFIC IMPACT REPORT

FOR

KAPOLEI PARKWAY LOTS 2-5 DEVELOPMENT

Prepared for

Prepared by

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LIST OF FIGURES

LIST OF APPENDICES

I. INTRODUCTION

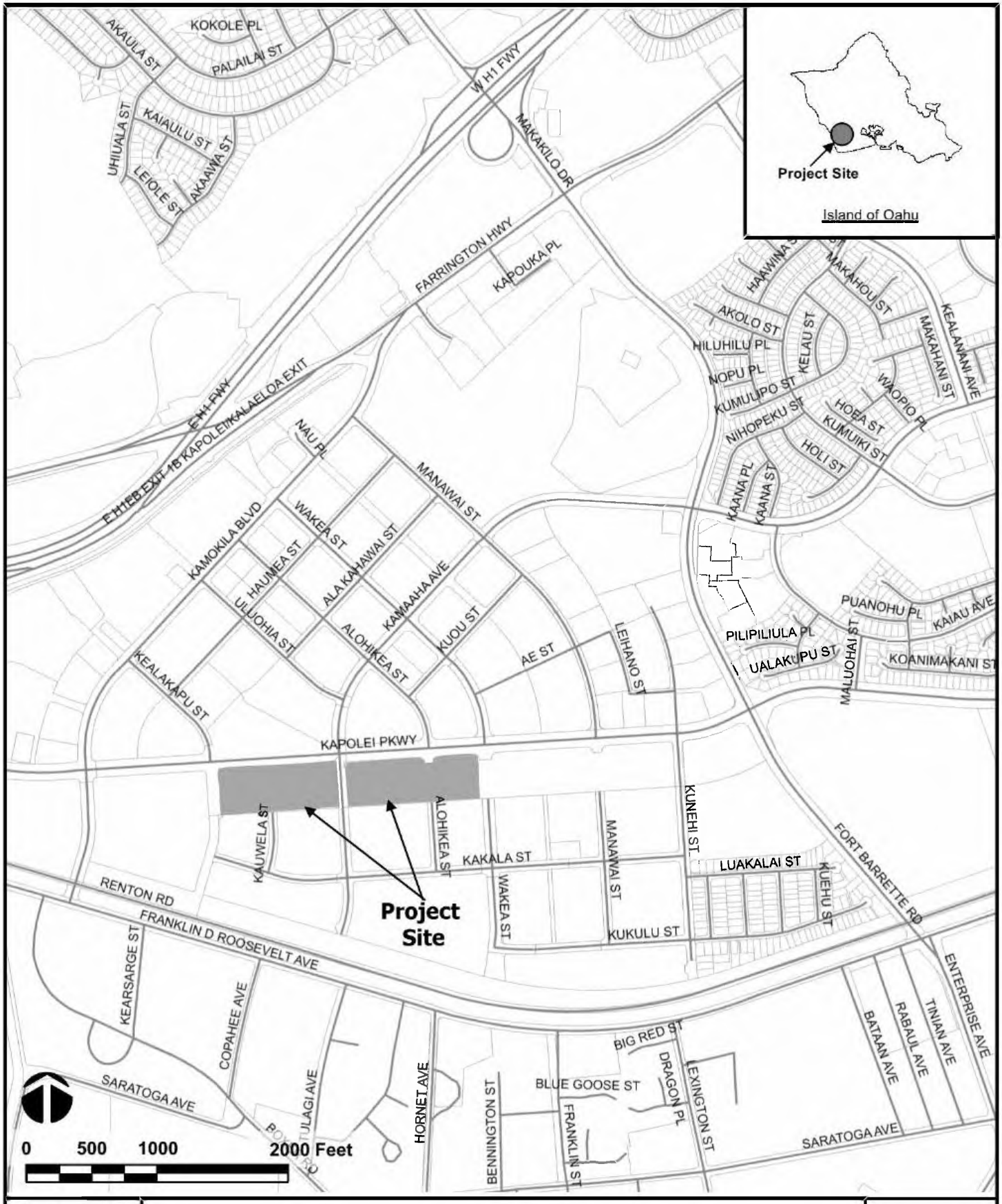
A. Purpose of Study

B. Scope of Study

II. PROJECT DESCRIPTION

A. Location

B. Project Characteristics



WILSON OKAMOTO CORPORATION

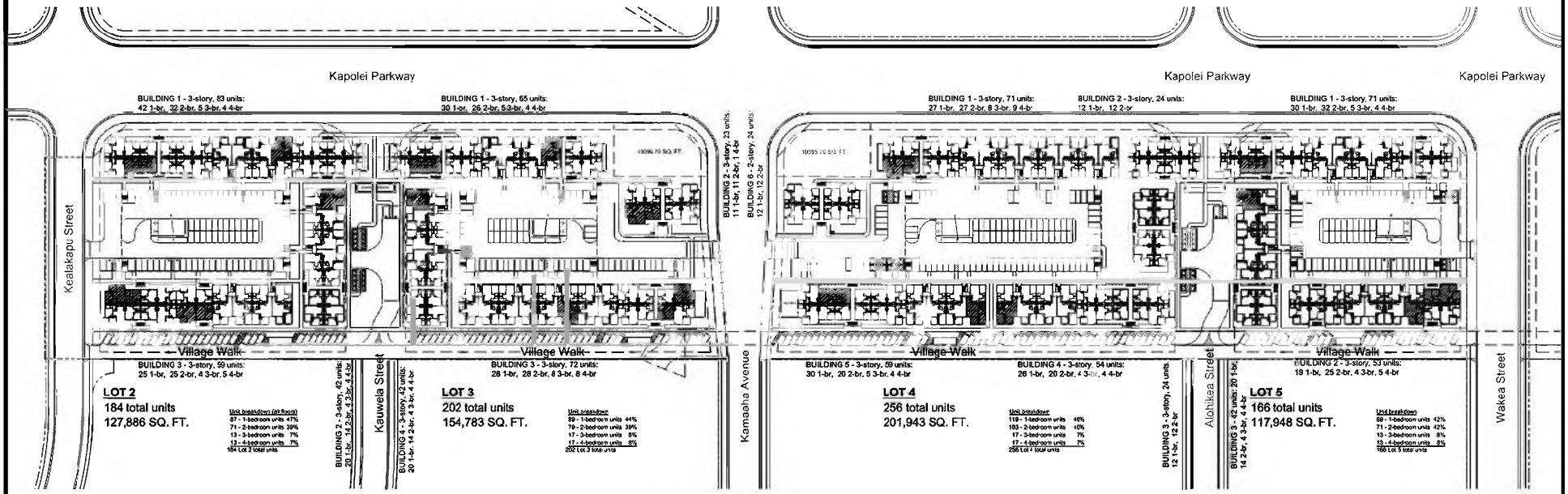
KAPOLEI PARKWAY LOTS 2-5

LOCATION MAP AND VICINITY MAP

FIGURE 1

III. EXISTING TRAFFIC CONDITIONS

A. Area Roadway System



WILSON OKAMOTO CORPORATION

KAPOLEI PARKWAY LOTS 2-5

PROJECT SITE PLAN

FIGURE 2

B. Traffic Volumes and Conditions

1. General

a. Field Investigations

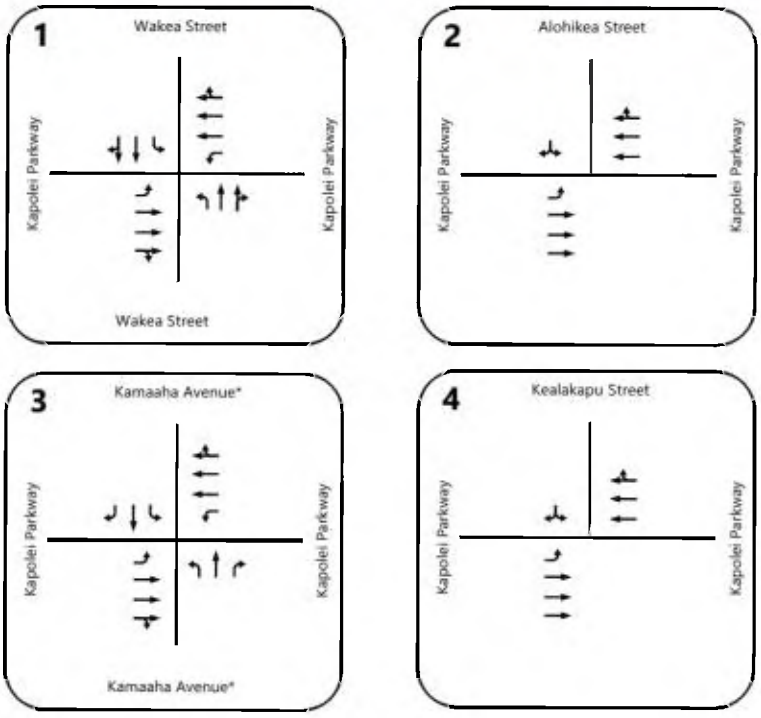
-
-
-
-

b. Capacity Analysis Methodology

2. Existing Peak Hour Traffic

a. General





*Only right-turn movements are currently allowed from the northbound and southbound approaches

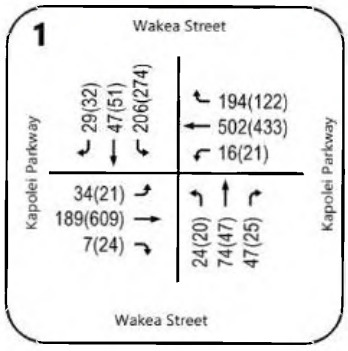
WILSON OKAMOTO CORPORATION

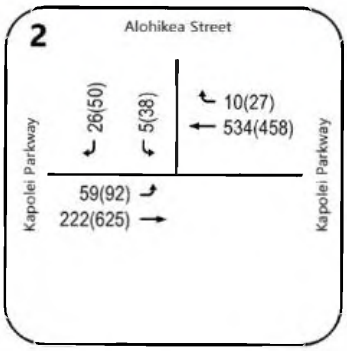
KAPOLEI PARKWAY LOTS 2-5

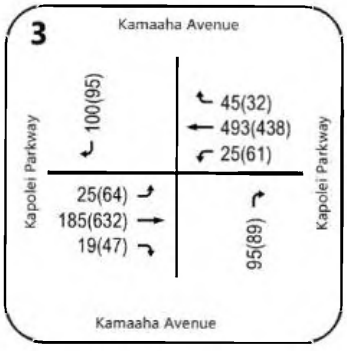
EXISTING LANE CONFIGURATIONS

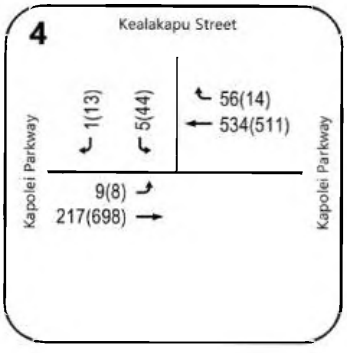
FIGURE 3











Legend

XX(XX) AM(PM) Peak Hour Volumes

WILSON OKAMOTO CORPORATION

KAPOLEI PARKWAY LOTS 2-5

EXISTING PEAK HOURS OF TRAFFIC

FIGURE 4

b. Kapolei Parkway and Wakea Street

c. Kapolei Parkway and Alohikea Street

d. Kapolei Parkway and Kamaaha Avenue

e. Kapolei Parkway and Kealakapu Street

IV. PROJECTED TRAFFIC CONDITIONS

A. Site-Generated Traffic

1. Trip Generation Methodology

Table 1: Peak Hour Trip Generation

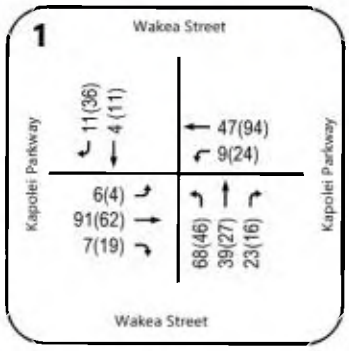
MULTI-FAMILY HOUSING (LOW-RISE)		
DAY CARE CENTER		
TOTALS		

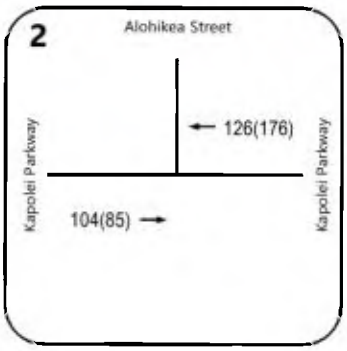
Table 2: Adjusted Peak Hour Trip Generation

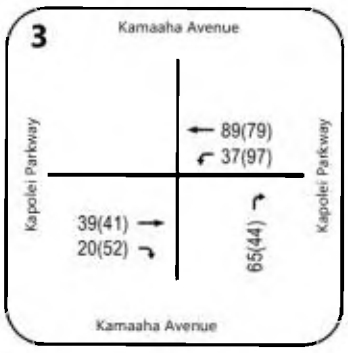
TOTALS		

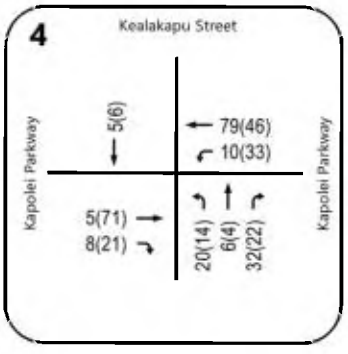
2. Trip Distribution











Legend

XX(XX) AM(PM) Peak Hour Volumes

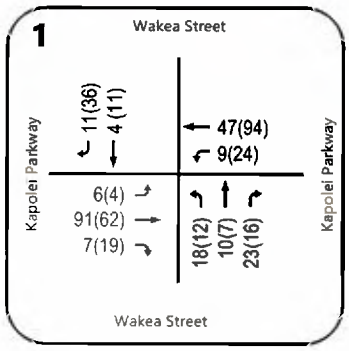
WILSON OKAMOTO CORPORATION

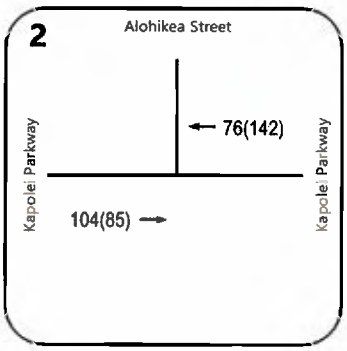
KAPOLEI PARKWAY LOTS 2-5

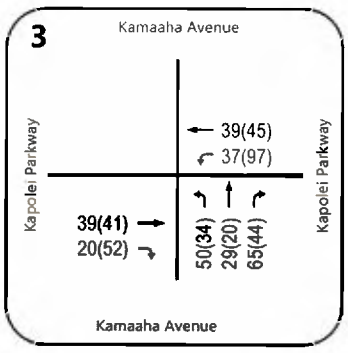
DISTRIBUTION OF SITE-GENERATED VEHICLES WITH PROJECT- SCENARIO 1

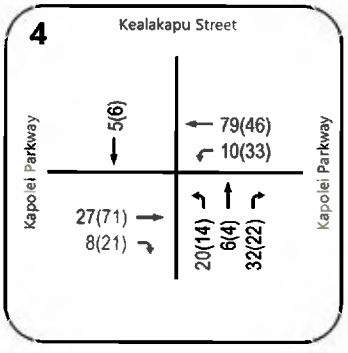
FIGURE 5











Legend

XX(XX) AM(PM) Peak Hour Volumes

WILSON OKAMOTO CORPORATION

KAPOLEI PARKWAY LOTS 2-5

DISTRIBUTION OF SITE-GENERATED VEHICLES WITH PROJECT- SCENARIO 2

FIGURE 6

B. Through Traffic Forecasting Methodology

C. Other Considerations

1. Sonic Drive-In

2. Luhauola Development

3. Naliko Development

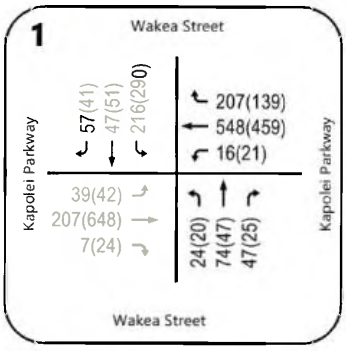
D. Total Traffic Volumes Without Project

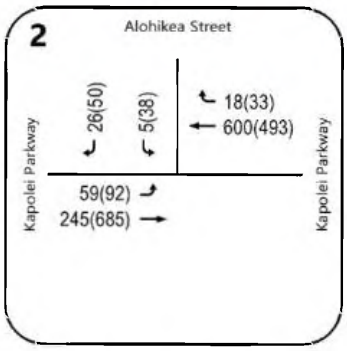
Table 3: Existing and Year 2031 (Without Project) LOS Traffic Operating Conditions

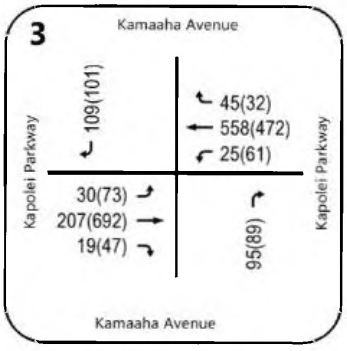
Intersection	Approach/ Critical Movement	AM		PM	
		Exist	Year 2031 w/out Proj	Exist	Year 2031 w/out Proj

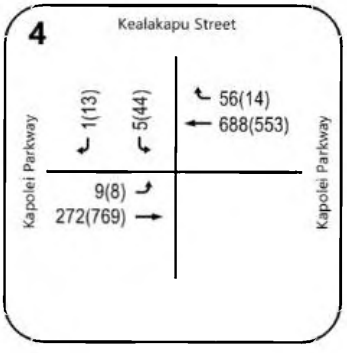
**LT = Left-Turn*











Legend

XX(XX) AM(PM) Peak Hour Volumes

WILSON OKAMOTO CORPORATION

KAPOLEI PARKWAY LOTS 2-5

YEAR 2031 PEAK HOURS OF TRAFFIC WITHOUT PROJECT

FIGURE 7

Table 3: Existing and Year 2031 (Without Project) LOS Traffic Operating Conditions

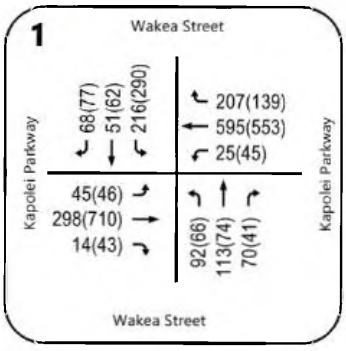
Intersection	Approach/ Critical Movement	AM		PM	
		Exist	Year 2031 w/out Proj	Exist	Year 2031 w/out Proj

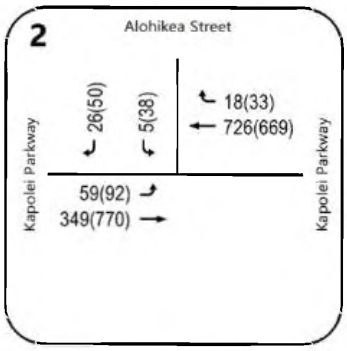
E. Traffic Signal Warrant

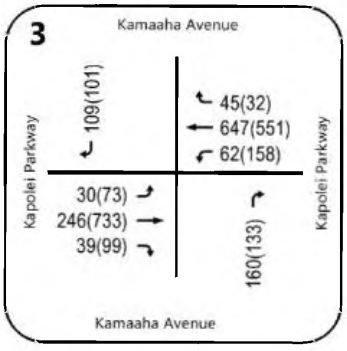
A. Total Traffic Volumes With Project

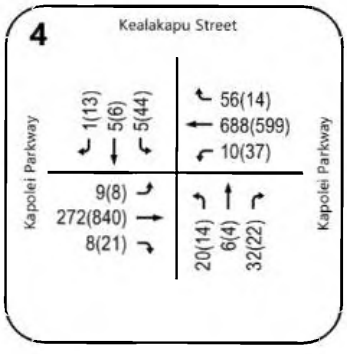
V. TRAFFIC IMPACT ANALYSIS











Legend

XX(XX) AM(PM) Peak Hour Volumes

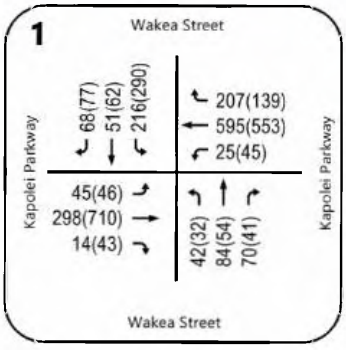
KAPOLEI PARKWAY LOTS 2-5

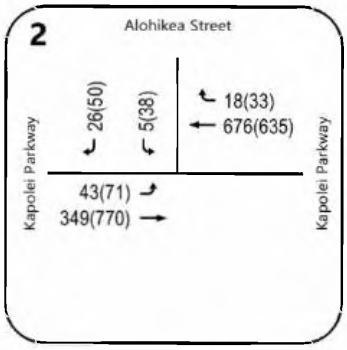
YEAR 2031 PEAK HOURS OF TRAFFIC
WITH PROJECT- SCENARIO 1

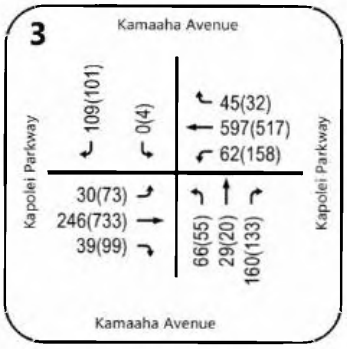
FIGURE
8

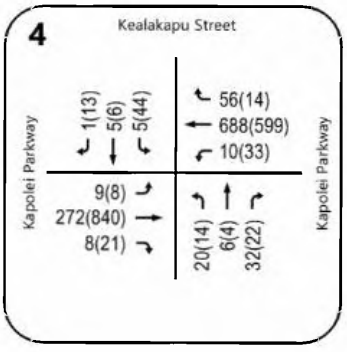
WILSON OKAMOTO CORPORATION











Legend

XX(XX) AM(PM) Peak Hour Volumes

WILSON OKAMOTO CORPORATION

KAPOLEI PARKWAY LOTS 2-5

YEAR 2031 PEAK HOURS OF TRAFFIC
WITH PROJECT- SCENARIO 2

FIGURE
9

Table 3: Year 2031 (Without and With Project) LOS
Traffic Operating Conditions

Intersection	Approach/ Critical Movement	AM			PM		
		Year 2031			Year 2031		
		w/out Proj	w/ Proj Scen 1	w/ Proj Scen 2+	w/out Proj	w/ Proj Scen 1	w/ Proj Scen 2+

**LT = Left-Turn*
+ Scenario 2 incorporates the installation of a traffic signal system at the intersection of Kapolei Parkway and Kamaaha Avenue

VI. MULTIMODAL FACILITIES

A. Pedestrian Facilities

B. Bicycle Facilities

C. Transit Facilities

VII. RECOMMENDATIONS



LEGEND

- Bike Lane (Existing)
- Bike Lane (Proposed)
- Shared-Use Path (Existing))
- Buffered Bike Lane (Proposed)

WILSON OKAMOTO CORPORATION

KAPOLEI PARKWAY LOTS 2-5

BICYCLE FACILITIES

FIGURE 10



LEGEND

Bus Stop

¼ Mile Radius

WILSON OKAMOTO CORPORATION

KAPOLEI PARKWAY LOTS 2-5

TRANSIT FACILITIES

FIGURE 11

VIII. CONCLUSION

APPENDIX A

EXISTING TRAFFIC COUNT DATA

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
Traffic is Our Only Business

Kapolei Pkwy @ Alohikea St
Kapolei, HI

File Name : 25048.07-1
Site Code : 1
Start Date : 10/22/2025
Page No : 1

Groups Printed- Cars - Heavy - Buses

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	0	0	4	4	0	0	78	0	78	0	0	0	0	0	3	11	17	1	32	114
06:15 AM	0	2	0	4	6	0	0	107	2	109	0	0	0	0	0	3	10	27	0	40	155
06:30 AM	0	1	0	4	5	0	0	117	3	120	0	0	0	0	0	9	9	33	0	51	176
06:45 AM	0	1	0	3	4	0	0	123	3	126	0	0	0	0	0	4	10	33	0	47	177
Total	0	4	0	15	19	0	0	425	8	433	0	0	0	0	0	19	40	110	1	170	622
07:00 AM	0	2	0	1	3	0	0	104	2	106	0	0	0	0	0	5	9	40	0	54	163
07:15 AM	0	0	0	7	7	0	0	142	1	143	0	0	0	1	1	3	8	57	0	68	219
07:30 AM	0	1	0	5	6	0	0	150	0	150	0	0	0	0	0	1	14	61	0	76	232
07:45 AM	0	1	0	9	10	0	0	123	1	124	0	0	0	0	0	4	13	42	0	59	193
Total	0	4	0	22	26	0	0	519	4	523	0	0	0	1	1	13	44	200	0	257	807
08:00 AM	0	3	0	5	8	0	0	119	8	127	0	0	0	0	0	8	8	62	0	78	213
08:15 AM	0	6	0	7	13	0	0	110	4	114	0	0	0	1	1	6	7	57	0	70	198
08:30 AM	0	1	0	5	6	0	0	99	4	103	0	0	0	0	0	5	7	60	0	72	181
08:45 AM	0	6	0	4	10	0	0	92	2	94	0	0	0	0	0	4	9	59	0	72	176
Total	0	16	0	21	37	0	0	420	18	438	0	0	0	1	1	23	31	238	0	292	768
Grand Total	0	24	0	58	82	0	0	1364	30	1394	0	0	0	2	2	55	115	548	1	719	2197
Apprch %	0	29.3	0	70.7		0	0	97.8	2.2		0	0	0	100		7.6	16	76.2	0.1		
Total %	0	1.1	0	2.6	3.7	0	0	62.1	1.4	63.5	0	0	0	0.1	0.1	2.5	5.2	24.9	0	32.7	
Cars	0	22	0	55	77	0	0	1319	27	1346	0	0	0	2	2	54	110	503	1	668	2093
% Cars	0	91.7	0	94.8	93.9	0	0	96.7	90	96.6	0	0	0	100	100	98.2	95.7	91.8	100	92.9	95.3
Heavy	0	1	0	3	4	0	0	33	2	35	0	0	0	0	0	1	5	33	0	39	78
% Heavy	0	4.2	0	5.2	4.9	0	0	2.4	6.7	2.5	0	0	0	0	0	1.8	4.3	6	0	5.4	3.6
Buses	0	1	0	0	1	0	0	12	1	13	0	0	0	0	0	0	0	12	0	12	26
% Buses	0	4.2	0	0	1.2	0	0	0.9	3.3	0.9	0	0	0	0	0	0	0	2.2	0	1.7	1.2

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	7	7	0	0	142	1	143	0	0	0	1	1	3	8	57	0	68	219
07:30 AM	0	1	0	5	6	0	0	150	0	150	0	0	0	0	0	1	14	61	0	76	232
07:45 AM	0	1	0	9	10	0	0	123	1	124	0	0	0	0	0	4	13	42	0	59	193
08:00 AM	0	3	0	5	8	0	0	119	8	127	0	0	0	0	0	8	8	62	0	78	213
Total Volume	0	5	0	26	31	0	0	534	10	544	0	0	0	1	1	16	43	222	0	281	857
% App. Total	0	16.1	0	83.9		0	0	98.2	1.8		0	0	0	100		5.7	15.3	79	0		
PHF	.000	.417	.000	.722	.775	.000	.000	.890	.313	.907	.000	.000	.000	.250	.250	.500	.768	.895	.000	.901	.923

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Groups Printed- Cars - Heavy - Buses

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	5	0	11	16	0	0	106	9	115	0	0	0	1	1	3	28	142	0	173	305
03:15 PM	0	5	0	21	26	0	0	109	8	117	0	0	0	0	0	2	15	139	0	156	299
03:30 PM	0	4	0	9	13	0	0	124	7	131	0	0	0	0	0	4	24	154	0	182	326
03:45 PM	0	9	0	18	27	0	0	128	7	135	0	0	0	0	0	3	21	121	0	145	307
Total	0	23	0	59	82	0	0	467	31	498	0	0	0	1	1	12	88	556	0	656	1237
04:00 PM	0	9	0	12	21	0	0	102	12	114	0	0	0	0	0	6	18	158	0	182	317
04:15 PM	0	9	0	8	17	0	0	109	4	113	0	0	0	0	0	7	15	160	0	182	312
04:30 PM	0	11	0	12	23	0	0	119	4	123	0	0	0	0	0	5	17	186	0	208	354
04:45 PM	0	5	0	12	17	0	0	118	3	121	0	0	0	0	0	4	6	155	0	165	303
Total	0	34	0	44	78	0	0	448	23	471	0	0	0	0	0	22	56	659	0	737	1286
05:00 PM	0	8	0	12	20	0	0	93	6	99	0	0	0	0	0	5	21	172	0	198	317
05:15 PM	0	7	0	11	18	0	0	114	7	121	0	0	0	0	0	9	13	124	0	146	285
05:30 PM	0	5	0	12	17	0	0	94	4	98	0	0	0	0	0	3	16	130	0	149	264
05:45 PM	0	6	0	10	16	0	0	117	10	127	0	0	0	0	0	7	15	121	0	143	286
Total	0	26	0	45	71	0	0	418	27	445	0	0	0	0	0	24	65	547	0	636	1152
Grand Total	0	83	0	148	231	0	0	1333	81	1414	0	0	0	1	1	58	209	1762	0	2029	3675
Apprch %	0	35.9	0	64.1		0	0	94.3	5.7		0	0	0	100		2.9	10.3	86.8	0		
Total %	0	2.3	0	4	6.3	0	0	36.3	2.2	38.5	0	0	0	0	0	1.6	5.7	47.9	0	55.2	
Cars	0	82	0	148	230	0	0	1314	81	1395	0	0	0	1	1	57	209	1743	0	2009	3635
% Cars	0	98.8	0	100	99.6	0	0	98.6	100	98.7	0	0	0	100	100	98.3	100	98.9	0	99	98.9
Heavy	0	0	0	0	0	0	0	14	0	14	0	0	0	0	0	1	0	11	0	12	26
% Heavy	0	0	0	0	0	0	0	1.1	0	1	0	0	0	0	0	1.7	0	0.6	0	0.6	0.7
Buses	0	1	0	0	1	0	0	5	0	5	0	0	0	0	0	0	0	8	0	8	14
% Buses	0	1.2	0	0	0.4	0	0	0.4	0	0.4	0	0	0	0	0	0	0	0.5	0	0.4	0.4

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	9	0	18	27	0	0	128	7	135	0	0	0	0	0	3	21	121	0	145	307
04:00 PM	0	9	0	12	21	0	0	102	12	114	0	0	0	0	0	6	18	158	0	182	317
04:15 PM	0	9	0	8	17	0	0	109	4	113	0	0	0	0	0	7	15	160	0	182	312
04:30 PM	0	11	0	12	23	0	0	119	4	123	0	0	0	0	0	5	17	186	0	208	354
Total Volume	0	38	0	50	88	0	0	458	27	485	0	0	0	0	0	21	71	625	0	717	1290
% App. Total	0	43.2	0	56.8		0	0	94.4	5.6		0	0	0	0		2.9	9.9	87.2	0		
PHF	.000	.864	.000	.694	.815	.000	.000	.895	.563	.898	.000	.000	.000	.000	.000	.750	.845	.840	.000	.862	.911

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Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	0	1	3
08:15 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	1	0	1	4
Grand Total	0	0	0	1	1	0	0	3	1	4	0	0	0	0	0	0	0	1	0	1	6
Apprch %	0	0	0	100		0	0	75	25		0	0	0	0		0	0	100	0		
Total %	0	0	0	16.7	16.7	0	0	50	16.7	66.7	0	0	0	0	0	0	0	16.7	0	16.7	

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	0	1	3
Total Volume	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	1	0	1	4
% App. Total	0	0	0	0		0	0	66.7	33.3		0	0	0	0		0	0	100	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.500	.250	.375	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.333

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Alohikea St
Kapolei, HI

File Name : 25048.07-1
Site Code : 1
Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	3
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
Grand Total	0	1	0	0	1	0	0	3	0	3	0	0	0	0	0	0	0	4	0	4	8
Apprch %	0	100	0	0		0	0	100	0		0	0	0	0		0	0	100	0		
Total %	0	12.5	0	0	12.5	0	0	37.5	0	37.5	0	0	0	0	0	0	0	50	0	50	

	Alohikea St Southbound					Kapolei Pkwy Westbound					Alohikea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Alohikea St
Kamaaha Ave, Kapolei

File Name : 25048.07-1 Peds
Site Code : 1
Start Date : 10/22/2025
Page No : 1

Groups Printed- Pedestrians - Bicycles

	Alohikea St Southbound			Kapolei Pkwy Westbound			Alohikea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
06:00 AM	2	0	2	0	0	0	2	0	2	2	0	2	6
06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 AM	0	0	0	0	0	0	1	0	1	0	0	0	1
Total	2	0	2	0	0	0	3	0	3	2	0	2	7
07:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	1	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	2	2	0	0	0	0	0	0	0	0	0	2
08:15 AM	1	0	1	0	0	0	1	0	1	0	0	0	2
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	2	3	0	0	0	1	0	1	0	0	0	4
Grand Total	4	2	6	0	0	0	4	0	4	2	0	2	12
Apprch %	66.7	33.3		0	0		100	0		100	0		
Total %	33.3	16.7	50	0	0	0	33.3	0	33.3	16.7	0	16.7	
Pedestrians	3	2	5	0	0	0	4	0	4	2	0	2	11
% Pedestrians	75	100	83.3	0	0	0	100	0	100	100	0	100	91.7
Bicycles	1	0	1	0	0	0	0	0	0	0	0	0	1
% Bicycles	25	0	16.7	0	0	0	0	0	0	0	0	0	8.3

	Alohikea St Southbound			Kapolei Pkwy Westbound			Alohikea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00 AM	0	2	2	0	0	0	0	0	0	0	0	0	2
Total Volume	0	2	2	0	0	0	0	0	0	0	0	0	2
% App. Total	0	100		0	0		0	0		0	0		
PHF	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Alohikea St
Kamaaha Ave, Kapolei

File Name : 25048.07-1 Peds
Site Code : 1
Start Date : 10/22/2025
Page No : 1

Groups Printed- Pedestrians - Bicycles

	Alohikea St Southbound			Kapolei Pkwy Westbound			Alohikea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	2	2	0	0	0	2
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	2	2	0	0	0	2
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	1	1	0	0	0	1
05:00 PM	0	0	0	0	0	0	1	0	1	0	0	0	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	2	0	2	0	6	6	1	7	8	0	0	0	16
05:45 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
Total	2	0	2	0	6	6	2	8	10	0	0	0	18
Grand Total	2	0	2	0	6	6	2	11	13	0	0	0	21
Apprch %	100	0		0	100		15.4	84.6		0	0		
Total %	9.5	0	9.5	0	28.6	28.6	9.5	52.4	61.9	0	0	0	
Pedestrians	2	0	2	0	6	6	1	9	10	0	0	0	18
% Pedestrians	100	0	100	0	100	100	50	81.8	76.9	0	0	0	85.7
Bicycles	0	0	0	0	0	0	1	2	3	0	0	0	3
% Bicycles	0	0	0	0	0	0	50	18.2	23.1	0	0	0	14.3

	Alohikea St Southbound			Kapolei Pkwy Westbound			Alohikea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:45 PM													
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
Total Volume	0	0	0	0	0	0	0	1	1	0	0	0	1
% App. Total	0	0		0	0		0	100		0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.250	.250	.000	.000	.000	.250

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kamaaha Ave
Kapolei, HI

File Name : 25048.07-2
Site Code : 2
Start Date : 10/22/2025
Page No : 1

Groups Printed- Cars - Heavy - Buses

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	0	0	9	9	0	7	74	1	82	0	0	2	18	20	0	0	15	0	15	126
06:15 AM	0	0	0	5	5	0	1	111	2	114	0	0	0	16	16	0	0	24	2	26	161
06:30 AM	0	0	0	13	13	0	5	124	2	131	0	0	0	27	27	0	2	23	5	30	201
06:45 AM	0	0	0	12	12	0	3	120	1	124	0	0	0	20	20	0	0	23	2	25	181
Total	0	0	0	39	39	0	16	429	6	451	0	0	2	81	83	0	2	85	9	96	669
07:00 AM	0	0	0	15	15	0	5	98	5	108	0	0	0	24	24	0	1	35	2	38	185
07:15 AM	0	0	0	17	17	0	4	131	9	144	0	0	1	22	23	0	6	42	5	53	237
07:30 AM	0	0	0	29	29	0	5	143	14	162	0	0	0	22	22	0	9	54	2	65	278
07:45 AM	0	0	0	28	28	0	6	109	13	128	0	0	0	24	24	0	7	36	8	51	231
Total	0	0	0	89	89	0	20	481	41	542	0	0	1	92	93	0	23	167	17	207	931
08:00 AM	0	0	0	26	26	0	10	110	9	129	0	0	0	27	27	0	3	53	4	60	242
08:15 AM	0	0	0	20	20	0	5	116	5	126	0	0	0	15	15	0	3	52	12	67	228
08:30 AM	0	0	0	18	18	0	2	99	8	109	0	0	0	21	21	0	4	54	4	62	210
08:45 AM	0	0	0	21	21	0	3	87	7	97	0	0	0	14	14	0	6	55	8	69	201
Total	0	0	0	85	85	0	20	412	29	461	0	0	0	77	77	0	16	214	28	258	881
Grand Total	0	0	0	213	213	0	56	1322	76	1454	0	0	3	250	253	0	41	466	54	561	2481
Apprch %	0	0	0	100		0	3.9	90.9	5.2		0	0	1.2	98.8		0	7.3	83.1	9.6		
Total %	0	0	0	8.6	8.6	0	2.3	53.3	3.1	58.6	0	0	0.1	10.1	10.2	0	1.7	18.8	2.2	22.6	
Cars	0	0	0	209	209	0	52	1277	76	1405	0	0	3	245	248	0	39	420	53	512	2374
% Cars	0	0	0	98.1	98.1	0	92.9	96.6	100	96.6	0	0	100	98	98	0	95.1	90.1	98.1	91.3	95.7
Heavy	0	0	0	0	0	0	0	37	0	37	0	0	0	2	2	0	1	37	1	39	78
% Heavy	0	0	0	0	0	0	0	2.8	0	2.5	0	0	0	0.8	0.8	0	2.4	7.9	1.9	7	3.1
Buses	0	0	0	4	4	0	4	8	0	12	0	0	0	3	3	0	1	9	0	10	29
% Buses	0	0	0	1.9	1.9	0	7.1	0.6	0	0.8	0	0	0	1.2	1.2	0	2.4	1.9	0	1.8	1.2

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	17	17	0	4	131	9	144	0	0	1	22	23	0	6	42	5	53	237
07:30 AM	0	0	0	29	29	0	5	143	14	162	0	0	0	22	22	0	9	54	2	65	278
07:45 AM	0	0	0	28	28	0	6	109	13	128	0	0	0	24	24	0	7	36	8	51	231
08:00 AM	0	0	0	26	26	0	10	110	9	129	0	0	0	27	27	0	3	53	4	60	242
Total Volume	0	0	0	100	100	0	25	493	45	563	0	0	1	95	96	0	25	185	19	229	988
% App. Total	0	0	0	100		0	4.4	87.6	8		0	0	1	99		0	10.9	80.8	8.3		
PHF	.000	.000	.000	.862	.862	.000	.625	.862	.804	.869	.000	.000	.250	.880	.889	.000	.694	.856	.594	.881	.888

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kamaaha Ave
Kapolei, HI

File Name : 25048.07-2
Site Code : 2
Start Date : 10/22/2025
Page No : 1

Groups Printed- Cars - Heavy - Buses

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	0	1	23	24	1	15	101	2	119	0	0	0	25	25	0	14	145	11	170	338
03:15 PM	0	0	0	24	24	0	25	99	3	127	0	0	0	13	13	0	11	142	9	162	326
03:30 PM	0	0	0	25	25	0	13	118	8	139	0	0	0	16	16	0	19	167	11	197	377
03:45 PM	0	0	0	38	38	0	22	123	10	155	0	0	0	17	17	0	11	127	14	152	362
Total	0	0	1	110	111	1	75	441	23	540	0	0	0	71	71	0	55	581	45	681	1403
04:00 PM	0	0	0	21	21	0	11	100	6	117	0	0	0	25	25	0	13	162	12	187	350
04:15 PM	0	0	0	9	9	0	15	100	7	122	0	0	0	12	12	0	23	168	9	200	343
04:30 PM	0	0	0	27	27	0	13	115	9	137	0	0	0	35	35	0	17	175	12	204	403
04:45 PM	0	0	0	11	11	0	14	122	4	140	0	0	0	20	20	0	12	154	11	177	348
Total	0	0	0	68	68	0	53	437	26	516	0	0	0	92	92	0	65	659	44	768	1444
05:00 PM	0	0	0	17	17	0	19	88	7	114	0	0	0	25	25	0	15	167	15	197	353
05:15 PM	0	0	0	18	18	0	19	101	8	128	0	0	0	21	21	0	11	132	9	152	319
05:30 PM	0	0	0	18	18	0	17	83	6	106	0	0	0	21	21	0	10	123	10	143	288
05:45 PM	0	0	0	19	19	0	20	107	6	133	0	0	0	20	20	0	9	129	7	145	317
Total	0	0	0	72	72	0	75	379	27	481	0	0	0	87	87	0	45	551	41	637	1277
Grand Total	0	0	1	250	251	1	203	1257	76	1537	0	0	0	250	250	0	165	1791	130	2086	4124
Apprch %	0	0	0.4	99.6		0.1	13.2	81.8	4.9		0	0	0	100		0	7.9	85.9	6.2		
Total %	0	0	0	6.1	6.1	0	4.9	30.5	1.8	37.3	0	0	0	6.1	6.1	0	4	43.4	3.2	50.6	
Cars	0	0	1	246	247	1	200	1240	76	1517	0	0	0	243	243	0	163	1778	129	2070	4077
% Cars	0	0	100	98.4	98.4	100	98.5	98.6	100	98.7	0	0	0	97.2	97.2	0	98.8	99.3	99.2	99.2	98.9
Heavy	0	0	0	4	4	0	1	14	0	15	0	0	0	2	2	0	2	10	1	13	34
% Heavy	0	0	0	1.6	1.6	0	0.5	1.1	0	1	0	0	0	0.8	0.8	0	1.2	0.6	0.8	0.6	0.8
Buses	0	0	0	0	0	0	2	3	0	5	0	0	0	5	5	0	0	3	0	3	13
% Buses	0	0	0	0	0	0	1	0.2	0	0.3	0	0	0	2	2	0	0	0.2	0	0.1	0.3

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	0	0	38	38	0	22	123	10	155	0	0	0	17	17	0	11	127	14	152	362
04:00 PM	0	0	0	21	21	0	11	100	6	117	0	0	0	25	25	0	13	162	12	187	350
04:15 PM	0	0	0	9	9	0	15	100	7	122	0	0	0	12	12	0	23	168	9	200	343
04:30 PM	0	0	0	27	27	0	13	115	9	137	0	0	0	35	35	0	17	175	12	204	403
Total Volume	0	0	0	95	95	0	61	438	32	531	0	0	0	89	89	0	64	632	47	743	1458
% App. Total	0	0	0	100		0	11.5	82.5	6		0	0	0	100		0	8.6	85.1	6.3		
PHF	.000	.000	.000	.625	.625	.000	.693	.890	.800	.856	.000	.000	.000	.636	.636	.000	.696	.903	.839	.911	.904

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kamaaha Ave
Kapolei, HI

File Name : 25048.07-2
Site Code : 2
Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
08:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:15 AM	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	2
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	3
Grand Total	0	0	0	1	1	1	0	3	0	4	0	0	0	0	0	0	0	1	0	1	6
Apprch %	0	0	0	100		25	0	75	0		0	0	0	0		0	0	100	0		
Total %	0	0	0	16.7	16.7	16.7	0	50	0	66.7	0	0	0	0	0	0	0	16.7	0	16.7	

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
08:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	2
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	0	100	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.500

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kamaaha Ave
Kapolei, HI

File Name : 25048.07-2
Site Code : 2
Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	3
05:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
Grand Total	0	0	1	0	1	0	0	3	0	3	0	0	0	0	0	0	0	4	0	4	8
Apprch %	0	0	100	0		0	0	100	0		0	0	0	0		0	0	100	0		
Total %	0	0	12.5	0	12.5	0	0	37.5	0	37.5	0	0	0	0	0	0	0	50	0	50	

	Kamaaha Ave Southbound					Kapolei Pkwy Westbound					Kamaaha Ave Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kamaaha Ave
Kapolei, HI

File Name : 25048.07-2 Peds
Site Code : 2P
Start Date : 10/22/2025
Page No : 1

Groups Printed- Pedestrians - Bicycles

	Kamaaha Ave Southbound			Kapolei Pkwy Westbound			Kamaaha Ave Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
06:00 AM	2	0	2	0	0	0	0	0	0	0	1	1	3
06:15 AM	0	1	1	0	0	0	0	0	0	0	0	0	1
06:30 AM	0	1	1	0	0	0	0	0	0	0	0	0	1
06:45 AM	1	0	1	0	0	0	0	0	0	0	0	0	1
Total	3	2	5	0	0	0	0	0	0	0	1	1	6
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	1	0	1	0	0	0	0	1	1	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	1	1	0	0	0	0	0	0	0	0	0	1
Total	0	1	1	1	0	1	0	0	0	0	1	1	3
08:00 AM	0	0	0	0	1	1	1	3	4	1	0	1	6
08:15 AM	1	0	1	0	0	0	0	0	0	0	0	0	1
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	1	0	1	1	1	3	4	1	0	1	7
Grand Total	4	3	7	1	1	2	1	3	4	1	2	3	16
Apprch %	57.1	42.9		50	50		25	75		33.3	66.7		
Total %	25	18.8	43.8	6.2	6.2	12.5	6.2	18.8	25	6.2	12.5	18.8	
Pedestrians	4	3	7	1	1	2	1	3	4	1	2	3	16
% Pedestrians	100	100	100	100	100	100	100	100	100	100	100	100	100
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0

	Kamaaha Ave Southbound			Kapolei Pkwy Westbound			Kamaaha Ave Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	0	0	1	0	1	0	0	0	0	1	1	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	1	1	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	1	1	1	3	4	1	0	1	6
Total Volume	0	1	1	1	1	2	1	3	4	1	1	2	9
% App. Total	0	100		50	50		25	75		50	50		
PHF	.000	.250	.250	.250	.250	.500	.250	.250	.250	.250	.250	.500	.375

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Kapolei Pkwy @ Kamaaha Ave
Kapolei, HI

File Name : 25048.07-2 Peds
Site Code : 2P
Start Date : 10/22/2025
Page No : 1

Groups Printed- Pedestrians - Bicycles

	Kamaaha Ave Southbound			Kapolei Pkwy Westbound			Kamaaha Ave Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	0	2	2	0	0	0	2
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	0	0	0	1	1	1
Total	0	0	0	0	0	0	0	2	2	0	1	1	3
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	1
04:30 PM	0	0	0	0	0	0	0	2	2	0	1	1	3
04:45 PM	2	3	5	0	1	1	0	0	0	0	0	0	6
Total	2	3	5	0	1	1	0	2	2	1	1	2	10
05:00 PM	0	1	1	0	0	0	0	2	2	0	2	2	5
05:15 PM	0	1	1	0	0	0	0	1	1	0	0	0	2
05:30 PM	2	0	2	0	0	0	0	0	0	0	0	0	2
05:45 PM	3	2	5	0	2	2	1	1	2	0	2	2	11
Total	5	4	9	0	2	2	1	4	5	0	4	4	20
Grand Total	7	7	14	0	3	3	1	8	9	1	6	7	33
Apprch %	50	50		0	100		11.1	88.9		14.3	85.7		
Total %	21.2	21.2	42.4	0	9.1	9.1	3	24.2	27.3	3	18.2	21.2	
Pedestrians	5	5	10	0	3	3	0	4	4	1	5	6	23
% Pedestrians	71.4	71.4	71.4	0	100	100	0	50	44.4	100	83.3	85.7	69.7
Bicycles	2	2	4	0	0	0	1	4	5	0	1	1	10
% Bicycles	28.6	28.6	28.6	0	0	0	100	50	55.6	0	16.7	14.3	30.3

	Kamaaha Ave Southbound			Kapolei Pkwy Westbound			Kamaaha Ave Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:45 PM													
03:45 PM	0	0	0	0	0	0	0	0	0	0	1	1	1
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	1
04:30 PM	0	0	0	0	0	0	0	2	2	0	1	1	3
Total Volume	0	0	0	0	0	0	0	2	2	1	2	3	5
% App. Total	0	0		0	0		0	100		33.3	66.7		
PHF	.000	.000	.000	.000	.000	.000	.000	.250	.250	.250	.500	.750	.417

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kealakapu St
Kapolei,HI

File Name : 25048.07-3
Site Code : 3
Start Date : 10/22/2025
Page No : 1

Groups Printed- Cars - Heavy - Buses

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	0	0	0	0	0	0	83	2	85	0	0	0	0	0	0	0	15	0	15	100
06:15 AM	0	0	0	0	0	0	0	112	4	116	0	0	0	0	0	0	0	25	0	25	141
06:30 AM	0	0	0	0	0	0	0	128	5	133	0	0	0	0	0	1	0	32	1	34	167
06:45 AM	0	0	0	0	0	0	0	123	6	129	0	0	0	0	0	0	2	32	0	34	163
Total	0	0	0	0	0	0	0	446	17	463	0	0	0	0	0	1	2	104	1	108	571
07:00 AM	0	2	0	0	2	0	0	105	9	114	0	0	0	1	1	0	1	35	0	36	153
07:15 AM	0	3	0	0	3	0	0	143	11	154	0	0	1	0	1	0	3	46	1	50	208
07:30 AM	0	1	0	0	1	0	0	133	26	159	0	0	0	0	0	1	2	64	0	67	227
07:45 AM	0	0	0	1	1	0	0	130	10	140	0	0	0	0	0	0	0	51	0	51	192
Total	0	6	0	1	7	0	0	511	56	567	0	0	1	1	2	1	6	196	1	204	780
08:00 AM	0	1	0	0	1	3	0	128	9	140	0	0	0	0	0	1	2	56	0	59	200
08:15 AM	0	4	0	0	4	0	1	133	5	139	0	0	0	0	0	1	2	63	0	66	209
08:30 AM	0	1	0	0	1	1	0	112	3	116	0	0	0	0	0	0	4	60	0	64	181
08:45 AM	0	4	0	0	4	3	0	93	10	106	0	0	0	0	0	0	1	61	0	62	172
Total	0	10	0	0	10	7	1	466	27	501	0	0	0	0	0	2	9	240	0	251	762
Grand Total	0	16	0	1	17	7	1	1423	100	1531	0	0	1	1	2	4	17	540	2	563	2113
Apprch %	0	94.1	0	5.9		0.5	0.1	92.9	6.5		0	0	50	50		0.7	3	95.9	0.4		
Total %	0	0.8	0	0	0.8	0.3	0	67.3	4.7	72.5	0	0	0	0	0.1	0.2	0.8	25.6	0.1	26.6	
Cars	0	15	0	1	16	7	1	1375	100	1483	0	0	1	1	2	4	17	492	2	515	2016
% Cars	0	93.8	0	100	94.1	100	100	96.6	100	96.9	0	0	100	100	100	100	100	91.1	100	91.5	95.4
Heavy	0	1	0	0	1	0	0	36	0	36	0	0	0	0	0	0	0	38	0	38	75
% Heavy	0	6.2	0	0	5.9	0	0	2.5	0	2.4	0	0	0	0	0	0	0	7	0	6.7	3.5
Buses	0	0	0	0	0	0	0	12	0	12	0	0	0	0	0	0	0	10	0	10	22
% Buses	0	0	0	0	0	0	0	0.8	0	0.8	0	0	0	0	0	0	0	1.9	0	1.8	1

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	1	0	0	1	0	0	133	26	159	0	0	0	0	0	1	2	64	0	67	227
07:45 AM	0	0	0	1	1	0	0	130	10	140	0	0	0	0	0	0	0	51	0	51	192
08:00 AM	0	1	0	0	1	3	0	128	9	140	0	0	0	0	0	1	2	56	0	59	200
08:15 AM	0	4	0	0	4	0	1	133	5	139	0	0	0	0	0	1	2	63	0	66	209
Total Volume	0	6	0	1	7	3	1	524	50	578	0	0	0	0	0	3	6	234	0	243	828
% App. Total	0	85.7	0	14.3		0.5	0.2	90.7	8.7		0	0	0	0		1.2	2.5	96.3	0		
PHF	.000	.375	.000	.250	.438	.250	.250	.985	.481	.909	.000	.000	.000	.000	.000	.750	.750	.914	.000	.907	.912

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kealakapu St
Kapolei,HI

File Name : 25048.07-3
Site Code : 3
Start Date : 10/22/2025
Page No : 1

Groups Printed- Cars - Heavy - Buses

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	9	0	1	10	3	0	122	4	129	0	0	0	0	0	2	0	156	0	158	297
03:15 PM	0	2	0	0	2	1	0	112	7	120	0	0	0	0	0	0	4	157	1	162	284
03:30 PM	0	6	0	1	7	3	0	143	1	147	0	0	0	0	0	3	0	191	0	194	348
03:45 PM	0	4	0	0	4	0	0	155	4	159	0	0	0	0	0	1	1	150	0	152	315
Total	0	21	0	2	23	7	0	532	16	555	0	0	0	0	0	6	5	654	1	666	1244
04:00 PM	0	9	0	2	11	1	0	109	6	116	0	0	0	0	0	0	1	179	0	180	307
04:15 PM	0	6	0	2	8	1	0	111	1	113	0	0	0	0	0	0	1	190	1	192	313
04:30 PM	0	25	0	9	34	2	0	136	3	141	0	0	0	0	0	0	4	179	0	183	358
04:45 PM	0	15	0	0	15	2	0	114	9	125	0	0	0	0	0	1	1	160	0	162	302
Total	0	55	0	13	68	6	0	470	19	495	0	0	0	0	0	1	7	708	1	717	1280
05:00 PM	0	11	0	3	14	0	0	95	7	102	0	0	0	0	0	0	0	187	2	189	305
05:15 PM	0	5	0	3	8	0	0	113	3	116	0	0	0	0	0	0	0	147	0	147	271
05:30 PM	0	6	0	1	7	0	0	96	6	102	0	0	0	0	0	0	0	142	2	144	253
05:45 PM	0	2	0	0	2	0	0	117	2	119	0	0	0	0	0	0	0	140	0	140	261
Total	0	24	0	7	31	0	0	421	18	439	0	0	0	0	0	0	0	616	4	620	1090
Grand Total	0	100	0	22	122	13	0	1423	53	1489	0	0	0	0	0	7	12	1978	6	2003	3614
Apprch %	0	82	0	18		0.9	0	95.6	3.6		0	0	0	0		0.3	0.6	98.8	0.3		
Total %	0	2.8	0	0.6	3.4	0.4	0	39.4	1.5	41.2	0	0	0	0	0	0.2	0.3	54.7	0.2	55.4	
Cars	0	100	0	22	122	12	0	1404	52	1468	0	0	0	0	0	7	12	1963	6	1988	3578
% Cars	0	100	0	100	100	92.3	0	98.7	98.1	98.6	0	0	0	0	0	100	100	99.2	100	99.3	99
Heavy	0	0	0	0	0	1	0	16	1	18	0	0	0	0	0	0	0	12	0	12	30
% Heavy	0	0	0	0	0	7.7	0	1.1	1.9	1.2	0	0	0	0	0	0	0	0.6	0	0.6	0.8
Buses	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	3	0	3	6
% Buses	0	0	0	0	0	0	0	0.2	0	0.2	0	0	0	0	0	0	0	0.2	0	0.1	0.2

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	4	0	0	4	0	0	155	4	159	0	0	0	0	0	1	1	150	0	152	315
04:00 PM	0	9	0	2	11	1	0	109	6	116	0	0	0	0	0	0	1	179	0	180	307
04:15 PM	0	6	0	2	8	1	0	111	1	113	0	0	0	0	0	0	1	190	1	192	313
04:30 PM	0	25	0	9	34	2	0	136	3	141	0	0	0	0	0	0	4	179	0	183	358
Total Volume	0	44	0	13	57	4	0	511	14	529	0	0	0	0	0	1	7	698	1	707	1293
% App. Total	0	77.2	0	22.8		0.8	0	96.6	2.6		0	0	0	0		0.1	1	98.7	0.1		
PHF	.000	.440	.000	.361	.419	.500	.000	.824	.583	.832	.000	.000	.000	.000	.000	.250	.438	.918	.250	.921	.903

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kealakapu St
Kapolei,HI

File Name : 25048.07-3
Site Code : 3
Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
06:15 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
08:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	2
08:15 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	3
Grand Total	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	2	0	2	6
Apprch %	0	0	0	0		0	0	100	0		0	0	0	0		0	0	100	0		
Total %	0	0	0	0	0	0	0	66.7	0	66.7	0	0	0	0	0	0	0	33.3	0	33.3	

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
08:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	2
08:15 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	2	0	2	4
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	0	100	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.500	.000	.500	.000	.000	.000	.000	.000	.000	.000	.500	.000	.500	.500

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Kealakapu St
Kapolei,HI

File Name : 25048.07-3
Site Code : 3
Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	1	0	1	4
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Grand Total	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	5	0	5	8
Apprch %	0	0	0	0		0	0	100	0		0	0	0	0		0	0	100	0		
Total %	0	0	0	0	0	0	0	37.5	0	37.5	0	0	0	0	0	0	0	62.5	0	62.5	

	Kealakapu St Southbound					Kapolei Pkwy Westbound					Kealakapu St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	3
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	0	100	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.375

Southern Traffic Services, Inc.

2911 Westfield Rd
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Kapolei Pkwy @ Kealakapu St
Kapolei,HI

File Name : 25048.07-3 Peds
Site Code : 3P
Start Date : 10/22/2025
Page No : 1

Groups Printed- Pedestrians - Bicycles

	Kealakapu St Southbound			Kapolei Pkwy Westbound			Kealakapu St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
06:00 AM	1	1	2	0	0	0	2	1	3	0	0	0	5
06:15 AM	0	0	0	0	0	0	0	1	1	0	0	0	1
06:30 AM	0	0	0	0	0	0	0	3	3	0	0	0	3
06:45 AM	0	1	1	0	0	0	1	0	1	0	0	0	2
Total	1	2	3	0	0	0	3	5	8	0	0	0	11
07:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	1
07:15 AM	0	0	0	0	0	0	0	1	1	0	0	0	1
07:30 AM	0	0	0	0	0	0	0	1	1	0	0	0	1
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	1	0	0	0	0	2	2	0	0	0	3
08:00 AM	1	3	4	0	0	0	0	2	2	0	0	0	6
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	1	1	0	0	0	0	0	0	0	0	0	1
08:45 AM	0	2	2	0	0	0	0	0	0	0	0	0	2
Total	1	6	7	0	0	0	0	2	2	0	0	0	9
Grand Total	3	8	11	0	0	0	3	9	12	0	0	0	23
Apprch %	27.3	72.7		0	0		25	75		0	0		
Total %	13	34.8	47.8	0	0	0	13	39.1	52.2	0	0	0	
Pedestrians	2	8	10	0	0	0	3	7	10	0	0	0	20
% Pedestrians	66.7	100	90.9	0	0	0	100	77.8	83.3	0	0	0	87
Bicycles	1	0	1	0	0	0	0	2	2	0	0	0	3
% Bicycles	33.3	0	9.1	0	0	0	0	22.2	16.7	0	0	0	13

	Kealakapu St Southbound			Kapolei Pkwy Westbound			Kealakapu St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	0	0	0	0	0	0	0	1	1	0	0	0	1
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00 AM	1	3	4	0	0	0	0	2	2	0	0	0	6
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	1	3	4	0	0	0	0	3	3	0	0	0	7
% App. Total	25	75		0	0		0	100		0	0		
PHF	.250	.250	.250	.000	.000	.000	.000	.375	.375	.000	.000	.000	.292

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Kapolei Pkwy @ Kealakapu St
Kapolei,HI

File Name : 25048.07-3 Peds
Site Code : 3P
Start Date : 10/22/2025
Page No : 1

Groups Printed- Pedestrians - Bicycles

	Kealakapu St Southbound			Kapolei Pkwy Westbound			Kealakapu St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15 PM	0	0	0	0	0	0	1	0	1	0	0	0	1
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
Total	0	0	0	0	0	0	1	1	2	0	0	0	2
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	1	1	0	0	0	1
05:00 PM	0	1	1	0	0	0	1	2	3	1	0	1	5
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
Total	0	1	1	0	0	0	1	3	4	1	0	1	6
Grand Total	0	1	1	0	0	0	2	5	7	1	0	1	9
Apprch %	0	100		0	0		28.6	71.4		100	0		
Total %	0	11.1	11.1	0	0	0	22.2	55.6	77.8	11.1	0	11.1	
Pedestrians	0	0	0	0	0	0	1	4	5	0	0	0	5
% Pedestrians	0	0	0	0	0	0	50	80	71.4	0	0	0	55.6
Bicycles	0	1	1	0	0	0	1	1	2	1	0	1	4
% Bicycles	0	100	100	0	0	0	50	20	28.6	100	0	100	44.4

	Kealakapu St Southbound			Kapolei Pkwy Westbound			Kealakapu St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 03:45 PM to 04:30 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 03:45 PM													
03:45 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	1	1	0	0	0	1
Total Volume	0	0	0	0	0	0	0	2	2	0	0	0	2
% App. Total	0	0		0	0		0	100		0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.500	.500	.000	.000	.000	.500

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Kapolei Pkwy @ Wakea St
Kapolei,HI

File Name : 25048.07-4
Site Code : 4
Start Date : 10/22/2025
Page No : 1

Groups Printed- Cars - Heavy - Buses

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	18	2	4	24	0	4	78	20	102	0	0	9	0	9	0	2	15	0	17	152
06:15 AM	0	27	1	3	31	0	0	102	28	130	0	1	7	5	13	0	2	27	0	29	203
06:30 AM	0	44	1	6	51	0	2	107	28	137	0	8	9	9	26	0	4	27	1	32	246
06:45 AM	0	31	4	5	40	0	1	117	29	147	0	3	14	3	20	0	5	30	1	36	243
Total	0	120	8	18	146	0	7	404	105	516	0	12	39	17	68	0	13	99	2	114	844
07:00 AM	0	46	0	1	47	0	4	98	25	127	0	6	16	8	30	0	3	35	3	41	245
07:15 AM	0	50	7	9	66	0	2	132	52	186	0	4	16	7	27	0	9	51	1	61	340
07:30 AM	0	56	12	7	75	1	5	128	70	204	0	14	24	16	54	1	10	47	3	61	394
07:45 AM	0	55	16	5	76	0	4	115	41	160	0	5	16	15	36	0	5	38	2	45	317
Total	0	207	35	22	264	1	15	473	188	677	0	29	72	46	147	1	27	171	9	208	1296
08:00 AM	0	45	12	8	65	0	4	127	31	162	0	1	18	9	28	0	9	53	1	63	318
08:15 AM	0	48	10	3	61	0	3	104	28	135	0	2	11	6	19	0	5	54	3	62	277
08:30 AM	0	30	5	3	38	0	5	99	26	130	0	3	8	10	21	0	2	60	2	64	253
08:45 AM	0	46	14	7	67	0	7	85	34	126	0	3	13	5	21	0	11	56	0	67	281
Total	0	169	41	21	231	0	19	415	119	553	0	9	50	30	89	0	27	223	6	256	1129
Grand Total	0	496	84	61	641	1	41	1292	412	1746	0	50	161	93	304	1	67	493	17	578	3269
Apprch %	0	77.4	13.1	9.5		0.1	2.3	74	23.6		0	16.4	53	30.6		0.2	11.6	85.3	2.9		
Total %	0	15.2	2.6	1.9	19.6	0	1.3	39.5	12.6	53.4	0	1.5	4.9	2.8	9.3	0	2	15.1	0.5	17.7	
Cars	0	474	82	56	612	1	41	1249	403	1694	0	50	161	93	304	1	63	451	17	532	3142
% Cars	0	95.6	97.6	91.8	95.5	100	100	96.7	97.8	97	0	100	100	100	100	100	94	91.5	100	92	96.1
Heavy	0	12	1	1	14	0	0	34	4	38	0	0	0	0	0	0	1	32	0	33	85
% Heavy	0	2.4	1.2	1.6	2.2	0	0	2.6	1	2.2	0	0	0	0	0	0	1.5	6.5	0	5.7	2.6
Buses	0	10	1	4	15	0	0	9	5	14	0	0	0	0	0	0	3	10	0	13	42
% Buses	0	2	1.2	6.6	2.3	0	0	0.7	1.2	0.8	0	0	0	0	0	0	4.5	2	0	2.2	1.3

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	50	7	9	66	0	2	132	52	186	0	4	16	7	27	0	9	51	1	61	340
07:30 AM	0	56	12	7	75	1	5	128	70	204	0	14	24	16	54	1	10	47	3	61	394
07:45 AM	0	55	16	5	76	0	4	115	41	160	0	5	16	15	36	0	5	38	2	45	317
08:00 AM	0	45	12	8	65	0	4	127	31	162	0	1	18	9	28	0	9	53	1	63	318
Total Volume	0	206	47	29	282	1	15	502	194	712	0	24	74	47	145	1	33	189	7	230	1369
% App. Total	0	73	16.7	10.3		0.1	2.1	70.5	27.2		0	16.6	51	32.4		0.4	14.3	82.2	3		
PHF	.000	.920	.734	.806	.928	.250	.750	.951	.693	.873	.000	.429	.771	.734	.671	.250	.825	.892	.583	.913	.869

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Wakea St
Kapolei,HI

File Name : 25048.07-4
Site Code : 4
Start Date : 10/22/2025
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Groups Printed- Cars - Heavy - Buses

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	50	18	9	77	0	6	102	41	149	0	3	13	0	16	0	15	135	4	154	396
03:15 PM	0	51	20	8	79	0	6	105	33	144	0	5	9	0	14	0	6	134	2	142	379
03:30 PM	0	53	16	8	77	0	6	120	32	158	0	3	4	0	7	0	10	141	8	159	401
03:45 PM	0	66	13	7	86	0	5	122	33	160	0	5	10	0	15	0	4	119	7	130	391
Total	0	220	67	32	319	0	23	449	139	611	0	16	36	0	52	0	35	529	21	585	1567
04:00 PM	0	73	15	6	94	0	5	100	28	133	0	8	12	0	20	0	3	155	7	165	412
04:15 PM	0	63	11	9	83	0	8	101	32	141	0	3	10	0	13	0	3	167	3	173	410
04:30 PM	0	72	12	10	94	0	3	110	29	142	0	4	15	0	19	0	11	168	7	186	441
04:45 PM	0	63	17	5	85	0	7	114	40	161	0	3	7	0	10	0	13	157	2	172	428
Total	0	271	55	30	356	0	23	425	129	577	0	18	44	0	62	0	30	647	19	696	1691
05:00 PM	0	53	13	10	76	0	7	88	33	128	0	3	13	0	16	0	12	142	6	160	380
05:15 PM	0	53	16	10	79	0	3	105	47	155	0	5	8	0	13	0	2	148	5	155	402
05:30 PM	0	44	16	4	64	0	10	89	33	132	0	3	6	0	9	0	8	117	6	131	336
05:45 PM	0	51	9	12	72	1	1	113	48	163	1	2	19	0	22	0	5	121	4	130	387
Total	0	201	54	36	291	1	21	395	161	578	1	13	46	0	60	0	27	528	21	576	1505
Grand Total	0	692	176	98	966	1	67	1269	429	1766	1	47	126	0	174	0	92	1704	61	1857	4763
Apprch %	0	71.6	18.2	10.1		0.1	3.8	71.9	24.3		0.6	27	72.4	0		0	5	91.8	3.3		
Total %	0	14.5	3.7	2.1	20.3	0	1.4	26.6	9	37.1	0	1	2.6	0	3.7	0	1.9	35.8	1.3	39	
Cars	0	682	176	95	953	1	66	1253	422	1742	1	47	126	0	174	0	86	1690	61	1837	4706
% Cars	0	98.6	100	96.9	98.7	100	98.5	98.7	98.4	98.6	100	100	100	0	100	0	93.5	99.2	100	98.9	98.8
Heavy	0	2	0	0	2	0	0	14	2	16	0	0	0	0	0	0	0	11	0	11	29
% Heavy	0	0.3	0	0	0.2	0	0	1.1	0.5	0.9	0	0	0	0	0	0	0	0.6	0	0.6	0.6
Buses	0	8	0	3	11	0	1	2	5	8	0	0	0	0	0	0	6	3	0	9	28
% Buses	0	1.2	0	3.1	1.1	0	1.5	0.2	1.2	0.5	0	0	0	0	0	0	6.5	0.2	0	0.5	0.6

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	73	15	6	94	0	5	100	28	133	0	8	12	0	20	0	3	155	7	165	412
04:15 PM	0	63	11	9	83	0	8	101	32	141	0	3	10	0	13	0	3	167	3	173	410
04:30 PM	0	72	12	10	94	0	3	110	29	142	0	4	15	0	19	0	11	168	7	186	441
04:45 PM	0	63	17	5	85	0	7	114	40	161	0	3	7	0	10	0	13	157	2	172	428
Total Volume	0	271	55	30	356	0	23	425	129	577	0	18	44	0	62	0	30	647	19	696	1691
% App. Total	0	76.1	15.4	8.4		0	4	73.7	22.4		0	29	71	0		0	4.3	93	2.7		
PHF	.000	.928	.809	.750	.947	.000	.719	.932	.806	.896	.000	.563	.733	.000	.775	.000	.577	.963	.679	.935	.959

Southern Traffic Services, Inc.

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Kapolei Pkwy @ Wakea St
Kapolei,HI

File Name : 25048.07-4
Site Code : 4
Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
06:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	3
08:15 AM	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08:30 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	1	1	0	0	3	0	3	0	0	0	0	0	0	0	1	0	1	5
Grand Total	0	0	0	1	1	0	0	4	0	4	0	0	0	1	1	0	0	1	0	1	7
Apprch %	0	0	0	100		0	0	100	0		0	0	0	100		0	0	100	0		
Total %	0	0	0	14.3	14.3	0	0	57.1	0	57.1	0	0	0	14.3	14.3	0	0	14.3	0	14.3	

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	3
Total Volume	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	1	0	1	4
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	0	100	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.375	.000	.375	.000	.000	.000	.000	.000	.000	.000	.250	.000	.250	.333

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Wakea St
Kapolei,HI

File Name : 25048.07-4
Site Code : 4
Start Date : 10/22/2025
Page No : 1

Groups Printed- Bicycles on the Road

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	2	3
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	3	0	3	4
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	3
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Grand Total	0	0	0	0	0	0	0	3	0	3	0	0	1	0	1	0	0	5	0	5	9
Apprch %	0	0	0	0		0	0	100	0		0	0	100	0		0	0	100	0		
Total %	0	0	0	0	0	0	0	33.3	0	33.3	0	0	11.1	0	11.1	0	0	55.6	0	55.6	

	Wakea St Southbound					Kapolei Pkwy Westbound					Wakea St Northbound					Kapolei Pkwy Eastbound					
Start Time	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	U-Turn	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	3
% App. Total	0	0	0	0		0	0	100	0		0	0	0	0		0	0	0	0		
PHF	.000	.000	.000	.000	.000	.000	.000	.375	.000	.375	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.375

Southern Traffic Services, Inc.

2911 Westfield Rd
Gulf Breeze, FL 32563
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Kapolei Pkwy @ Wakea St
Kapolei,HI

File Name : 25048.07-4 Peds
Site Code : 4P
Start Date : 10/22/2025
Page No : 1

Groups Printed- Pedestrians - Bicycles

	Wakea St Southbound			Kapolei Pkwy Westbound			Wakea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
06:00 AM	0	1	1	0	0	0	1	0	1	1	1	2	4
06:15 AM	1	1	2	0	0	0	1	1	2	3	0	3	7
06:30 AM	0	0	0	0	0	0	0	2	2	0	0	0	2
06:45 AM	0	1	1	0	1	1	1	0	1	0	0	0	3
Total	1	3	4	0	1	1	3	3	6	4	1	5	16
07:00 AM	1	2	3	3	0	3	1	0	1	0	0	0	7
07:15 AM	1	1	2	0	0	0	2	1	3	2	0	2	7
07:30 AM	2	0	2	0	1	1	0	0	0	0	0	0	3
07:45 AM	0	1	1	0	1	1	0	0	0	0	0	0	2
Total	4	4	8	3	2	5	3	1	4	2	0	2	19
08:00 AM	0	2	2	0	2	2	0	1	1	2	1	3	8
08:15 AM	0	0	0	0	0	0	1	0	1	0	3	3	4
08:30 AM	1	2	3	1	1	2	0	0	0	0	1	1	6
08:45 AM	0	0	0	0	1	1	0	0	0	0	0	0	1
Total	1	4	5	1	4	5	1	1	2	2	5	7	19
Grand Total	6	11	17	4	7	11	7	5	12	8	6	14	54
Apprch %	35.3	64.7		36.4	63.6		58.3	41.7		57.1	42.9		
Total %	11.1	20.4	31.5	7.4	13	20.4	13	9.3	22.2	14.8	11.1	25.9	
Pedestrians	4	11	15	3	6	9	6	5	11	7	6	13	48
% Pedestrians	66.7	100	88.2	75	85.7	81.8	85.7	100	91.7	87.5	100	92.9	88.9
Bicycles	2	0	2	1	1	2	1	0	1	1	0	1	6
% Bicycles	33.3	0	11.8	25	14.3	18.2	14.3	0	8.3	12.5	0	7.1	11.1

	Wakea St Southbound			Kapolei Pkwy Westbound			Wakea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 07:15 AM to 08:00 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	1	1	2	0	0	0	2	1	3	2	0	2	7
07:30 AM	2	0	2	0	1	1	0	0	0	0	0	0	3
07:45 AM	0	1	1	0	1	1	0	0	0	0	0	0	2
08:00 AM	0	2	2	0	2	2	0	1	1	2	1	3	8
Total Volume	3	4	7	0	4	4	2	2	4	4	1	5	20
% App. Total	42.9	57.1		0	100		50	50		80	20		
PHF	.375	.500	.875	.000	.500	.500	.250	.500	.333	.500	.250	.417	.625

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Gulf Breeze, FL 32563
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Kapolei Pkwy @ Wakea St
Kapolei,HI

File Name : 25048.07-4 Peds
Site Code : 4P
Start Date : 10/22/2025
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Groups Printed- Pedestrians - Bicycles

	Wakea St Southbound			Kapolei Pkwy Westbound			Wakea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
03:00 PM	0	0	0	1	1	2	1	2	3	1	1	2	7
03:15 PM	0	0	0	0	0	0	2	2	4	2	0	2	6
03:30 PM	0	4	4	0	3	3	0	0	0	1	1	2	9
03:45 PM	3	1	4	1	0	1	0	2	2	0	2	2	9
Total	3	5	8	2	4	6	3	6	9	4	4	8	31
04:00 PM	2	4	6	0	4	4	0	0	0	0	0	0	10
04:15 PM	0	0	0	0	0	0	1	2	3	0	2	2	5
04:30 PM	1	2	3	0	0	0	0	3	3	0	2	2	8
04:45 PM	3	2	5	0	0	0	0	1	1	3	0	3	9
Total	6	8	14	0	4	4	1	6	7	3	4	7	32
05:00 PM	2	5	7	0	0	0	1	0	1	1	2	3	11
05:15 PM	0	1	1	0	0	0	0	2	2	1	2	3	6
05:30 PM	1	0	1	4	2	6	1	1	2	0	0	0	9
05:45 PM	1	0	1	0	2	2	0	3	3	2	0	2	8
Total	4	6	10	4	4	8	2	6	8	4	4	8	34
Grand Total	13	19	32	6	12	18	6	18	24	11	12	23	97
Apprch %	40.6	59.4		33.3	66.7		25	75		47.8	52.2		
Total %	13.4	19.6	33	6.2	12.4	18.6	6.2	18.6	24.7	11.3	12.4	23.7	
Pedestrians	11	19	30	5	11	16	4	11	15	10	11	21	82
% Pedestrians	84.6	100	93.8	83.3	91.7	88.9	66.7	61.1	62.5	90.9	91.7	91.3	84.5
Bicycles	2	0	2	1	1	2	2	7	9	1	1	2	15
% Bicycles	15.4	0	6.2	16.7	8.3	11.1	33.3	38.9	37.5	9.1	8.3	8.7	15.5

	Wakea St Southbound			Kapolei Pkwy Westbound			Wakea St Northbound			Kapolei Pkwy Eastbound			
Start Time	EB	WB	App. Total	NB	SB	App. Total	EB	WB	App. Total	NB	SB	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	2	4	6	0	4	4	0	0	0	0	0	0	10
04:15 PM	0	0	0	0	0	0	1	2	3	0	2	2	5
04:30 PM	1	2	3	0	0	0	0	3	3	0	2	2	8
04:45 PM	3	2	5	0	0	0	0	1	1	3	0	3	9
Total Volume	6	8	14	0	4	4	1	6	7	3	4	7	32
% App. Total	42.9	57.1		0	100		14.3	85.7		42.9	57.1		
PHF	.500	.500	.583	.000	.250	.250	.250	.500	.583	.250	.500	.583	.800

APPENDIX B

LEVEL OF SERVICE DEFINITIONS

LEVEL OF SERVICE DEFINITIONS

LEVEL-OF-SERVICE CRITERIA FOR AUTOMOBILES AT SIGNALIZED INTERSECTIONS

LOS A describes operations with a control delay of 10s/veh or less and a volume-to-capacity ratio no greater than 1.0. This level is typically assigned when the volume-to-capacity ratio is low and either progression is exceptionally favorable or the cycle length is very short. If it is due to favorable progression, most vehicles arrive during the green indication and travel through the intersection without stopping.

LOS B describes operations with control delay between 10 and 20s/veh and a volume-to-capacity ratio no greater than 1.0. This level is typically assigned when the volume-to-capacity ratio is low and either progression is highly favorable or the cycle length is short. More vehicles stop than with LOS A.

LOS C describes operations with control delay between 20 and 35s/veh and a volume-to-capacity ratio no greater than 1.0. This level is typically assigned when progression is favorable or the cycle length is moderate. Individual *cycle failures* (i.e., one or more queued vehicles are not able to depart as a result of insufficient capacity during the cycle) may begin to appear at this level. The number of vehicles stopping is significant, although many vehicles still pass through the intersection without stopping.

LOS D describes operations with control delay between 35 and 55s/veh and a volume-to-capacity ratio no greater than 1.0. This level is typically assigned when the volume-to-capacity ratio is high and either progression is ineffective or the cycle length is long. Many vehicles stop and individual cycle failures are noticeable.

LOS E describes operations with control delay between 55 and 80s/veh and a volume-to-capacity ratio no greater than 1.0. This level is typically assigned when the volume-to-capacity ratio is high, progression is unfavorable, and the cycle length is long. Individual cycle failures are frequent.

LOS F describes operations with control delay exceeding 80s/veh or a volume-to-capacity ratio greater than 1.0. This level is typically assigned when the volume-to-capacity ratio is very high, progression is very poor, and the cycle length is long. Most Cycles fail to clear the queue.

A lane group can incur a delay less than 80s/veh when the volume-to-capacity ratio exceeds 1.0. This condition typically occurs when the cycle length is short, the signal progression is favorable, or both. As a result, both the delay and volume-to-capacity ratio are considered when lane group LOS is established. A ratio of 1.0 or more indicated that cycle capacity is fully utilized and represents failure from a capacity perspective (just as delay in excess of 80s/veh represents failure from a delay perspective).

"Highway Capacity Manual," Transportation Research Board, 2016.

LEVEL OF SERVICE DEFINITIONS

LEVEL-OF-SERVICE (LOS) CRITERIA FOR AUTOMOBILES AT AN ALL-WAY STOP-CONTROLLED (AWSC) INTERSECTIONS

AWSC intersections require every vehicle to stop at the intersection before proceeding. LOS for an AWSC intersection is determined by the computed or measured control delay. For motor vehicles, LOS is determined for each approach by using the criteria below. LOS F is assigned to the movement if the volume-to-capacity ratio for the movement exceeds 1.0, regardless of the control delay.

The following lists the LOS criteria for an AWSC intersection:

LOS A describes operations with a control delay of 10s/veh or less and a volume-to-capacity ratio no greater than 1.0.

LOS B describes operations with a control delay between 10s/veh and 15s/veh and a volume-to-capacity ratio no greater than 1.0.

LOS C describes operations with a control delay between 15s/veh and 25s/veh and a volume-to-capacity ratio no greater than 1.0.

LOS D describes operations with a control delay between 25s/veh and 35s/veh and a volume-to-capacity ratio no greater than 1.0.

LOS E describes operations with a control delay between 35s/veh and 50s/veh and a volume-to-capacity ratio no greater than 1.0.

LOS F describes operations with a control exceeding 50s/veh and a volume-to-capacity ratio no greater than 1.0 or when the volume-to-capacity ratio exceeds 1.0, regardless of the measurement of the control delay.

"Highway Capacity Manual," Transportation Research Board, 2016.

APPENDIX C

CAPACITY ANALYSIS CALCULATIONS
EXISTING PEAK HOUR TRAFFIC ANALYSIS

HCM 6th Signalized Intersection Summary
1: Wakea St & Kapolei Pkwy/Kapolei Pkwy

12/10/2025



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	189	7	16	502	194	24	74	47	206	47	29
Future Volume (veh/h)	34	189	7	16	502	194	24	74	47	206	47	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	39	217	0	18	577	0	28	85	0	237	54	0
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	80	1503		41	1391		544	946		526	946	
Arrive On Green	0.04	0.29	0.00	0.02	0.27	0.00	0.27	0.27	0.00	0.27	0.27	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1350	3647	0	1313	3647	0
Grp Volume(v), veh/h	39	217	0	18	577	0	28	85	0	237	54	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1350	1777	0	1313	1777	0
Q Serve(g_s), s	0.8	1.1	0.0	0.4	3.3	0.0	0.6	0.6	0.0	6.0	0.4	0.0
Cycle Q Clear(g_c), s	0.8	1.1	0.0	0.4	3.3	0.0	1.0	0.6	0.0	6.6	0.4	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	80	1503		41	1391		544	946		526	946	
V/C Ratio(X)	0.49	0.14		0.44	0.41		0.05	0.09		0.45	0.06	
Avail Cap(c_a), veh/h	544	6099		445	5815		2172	5232		2109	5232	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	16.8	9.4	0.0	17.4	10.7	0.0	10.2	9.9	0.0	12.4	9.8	0.0
Incr Delay (d2), s/veh	4.6	0.0	0.0	7.3	0.2	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.3	0.0	0.2	1.0	0.0	0.1	0.2	0.0	1.4	0.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.3	9.4	0.0	24.7	10.9	0.0	10.2	10.0	0.0	13.0	9.9	0.0
LnGrp LOS	C	A		C	B		B	A		B	A	
Approach Vol, veh/h		256			595			113			291	
Approach Delay, s/veh		11.2			11.4			10.0			12.4	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	5.8	15.6		14.6	6.6	14.8		14.6				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	9.0	43.0		53.0	11.0	41.0		53.0				
Max Q Clear Time (g_c+I1), s	2.4	3.1		8.6	2.8	5.3		3.0				
Green Ext Time (p_c), s	0.0	1.6		1.1	0.0	4.5		0.6				

Intersection Summary	
HCM 6th Ctrl Delay	11.5
HCM 6th LOS	B

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	59	222	534	10	5	26
Future Vol, veh/h	59	222	534	10	5	26
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	64	241	580	11	5	28

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	580	0	-	0	810	296
Stage 1	-	-	-	-	586	-
Stage 2	-	-	-	-	224	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	621	-	-	-	456	651
Stage 1	-	-	-	-	509	-
Stage 2	-	-	-	-	776	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	621	-	-	-	409	651
Mov Cap-2 Maneuver	-	-	-	-	409	-
Stage 1	-	-	-	-	457	-
Stage 2	-	-	-	-	776	-

Approach	EB	WB	SB
HCM Control Delay, s	2.4	0	9.9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	621	-	-	-	776
HCM Lane V/C Ratio	0.103	-	-	-	0.043
HCM Control Delay (s)	11.5	-	-	-	9.9
HCM Lane LOS	B	-	-	-	A
HCM 95th %tile Q(veh)	0.3	-	-	-	0.1

Intersection	
Int Delay, s/veh	2.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	185	19	25	493	45	0	0	95	0	0	100
Future Vol, veh/h	25	185	19	25	493	45	0	0	95	0	0	100
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	166	-	175	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	28	208	21	28	554	51	0	0	107	0	0	112

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	554	0	0	208	0	0	553	885	115	775	900	303
Stage 1	-	-	-	-	-	-	275	275	-	636	636	-
Stage 2	-	-	-	-	-	-	278	610	-	139	264	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	639	-	-	926	-	-	544	365	804	432	359	645
Stage 1	-	-	-	-	-	-	672	738	-	426	565	-
Stage 2	-	-	-	-	-	-	701	576	-	813	743	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	639	-	-	926	-	-	424	338	804	354	333	645
Mov Cap-2 Maneuver	-	-	-	-	-	-	424	338	-	354	333	-
Stage 1	-	-	-	-	-	-	642	706	-	407	548	-
Stage 2	-	-	-	-	-	-	561	559	-	674	710	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.2	0.4	10.2	11.8
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	-	-	804	639	-	-	926	-	-	-	-	645
HCM Lane V/C Ratio	-	-	0.133	0.044	-	-	0.03	-	-	-	-	0.174
HCM Control Delay (s)	0	0	10.2	10.9	-	-	9	-	-	0	0	11.8
HCM Lane LOS	A	A	B	B	-	-	A	-	-	A	A	B
HCM 95th %tile Q(veh)	-	-	0.5	0.1	-	-	0.1	-	-	-	-	0.6

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	9	217	534	56	5	1
Future Vol, veh/h	9	217	534	56	5	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	216	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	10	238	587	62	5	1

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	587	0	-	0	733	325
Stage 1	-	-	-	-	618	-
Stage 2	-	-	-	-	115	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	616	-	-	-	490	629
Stage 1	-	-	-	-	491	-
Stage 2	-	-	-	-	853	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	616	-	-	-	482	629
Mov Cap-2 Maneuver	-	-	-	-	482	-
Stage 1	-	-	-	-	483	-
Stage 2	-	-	-	-	853	-

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	11.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	616	-	-	-	578
HCM Lane V/C Ratio	0.016	-	-	-	0.011
HCM Control Delay (s)	10.9	-	-	-	11.3
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0

HCM 6th Signalized Intersection Summary
1: Wakea St & Kapolei Pkwy/Kapolei Pkwy

12/10/2025

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	21	609	24	21	433	122	20	47	25	274	51	32
Future Volume (veh/h)	21	609	24	21	433	122	20	47	25	274	51	32
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	22	648	0	22	461	0	21	50	0	291	54	0
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	49	1474		49	1474		566	1030		568	1030	
Arrive On Green	0.03	0.29	0.00	0.03	0.29	0.00	0.29	0.29	0.00	0.29	0.29	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1350	3647	0	1355	3647	0
Grp Volume(v), veh/h	22	648	0	22	461	0	21	50	0	291	54	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1350	1777	0	1355	1777	0
Q Serve(g_s), s	0.5	3.9	0.0	0.5	2.7	0.0	0.4	0.4	0.0	7.5	0.4	0.0
Cycle Q Clear(g_c), s	0.5	3.9	0.0	0.5	2.7	0.0	0.9	0.4	0.0	7.9	0.4	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	49	1474		49	1474		566	1030		568	1030	
V/C Ratio(X)	0.45	0.44		0.45	0.31		0.04	0.05		0.51	0.05	
Avail Cap(c_a), veh/h	421	5232		421	5232		2196	5322		2205	5322	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	18.2	11.0	0.0	18.2	10.6	0.0	10.0	9.7	0.0	12.6	9.7	0.0
Incr Delay (d2), s/veh	6.5	0.2	0.0	6.5	0.1	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	1.2	0.0	0.3	0.8	0.0	0.1	0.1	0.0	1.9	0.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.7	11.2	0.0	24.7	10.7	0.0	10.1	9.7	0.0	13.3	9.8	0.0
LnGrp LOS	C	B		C	B		B	A		B	A	
Approach Vol, veh/h		670			483			71			345	
Approach Delay, s/veh		11.7			11.3			9.8			12.7	
Approach LOS		B			B			A			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.0	16.0		16.0	6.0	16.0		16.0				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	9.0	39.0		57.0	9.0	39.0		57.0				
Max Q Clear Time (g_c+I1), s	2.5	5.9		9.9	2.5	4.7		2.9				
Green Ext Time (p_c), s	0.0	5.1		1.3	0.0	3.5		0.4				

Intersection Summary		
HCM 6th Ctrl Delay	11.7	
HCM 6th LOS	B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	92	625	458	27	38	50
Future Vol, veh/h	92	625	458	27	38	50
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	101	687	503	30	42	55

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	503	0	-	0	995	267
Stage 1	-	-	-	-	518	-
Stage 2	-	-	-	-	477	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	675	-	-	-	383	673
Stage 1	-	-	-	-	547	-
Stage 2	-	-	-	-	619	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	675	-	-	-	326	673
Mov Cap-2 Maneuver	-	-	-	-	326	-
Stage 1	-	-	-	-	465	-
Stage 2	-	-	-	-	619	-

Approach	EB	WB	SB
HCM Control Delay, s	1.4	0	10.5
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	675	-	-	-	755
HCM Lane V/C Ratio	0.15	-	-	-	0.128
HCM Control Delay (s)	11.3	-	-	-	10.5
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.5	-	-	-	0.4

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	64	632	47	61	438	32	0	0	89	0	0	95
Future Vol, veh/h	64	632	47	61	438	32	0	0	89	0	0	95
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	166	-	175	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	71	702	52	68	487	36	0	0	99	0	0	106

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	487	0	0	702	0	0	1201	1493	377	1064	1485	262
Stage 1	-	-	-	-	-	-	870	870	-	641	641	-
Stage 2	-	-	-	-	-	-	331	623	-	423	844	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	687	-	-	544	-	-	275	188	591	319	190	677
Stage 1	-	-	-	-	-	-	315	472	-	423	563	-
Stage 2	-	-	-	-	-	-	662	570	-	599	481	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	687	-	-	544	-	-	194	148	591	222	149	677
Mov Cap-2 Maneuver	-	-	-	-	-	-	194	148	-	222	149	-
Stage 1	-	-	-	-	-	-	283	423	-	379	493	-
Stage 2	-	-	-	-	-	-	489	499	-	447	431	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.9	1.4	12.3	11.3
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	-	-	591	687	-	-	544	-	-	-	-	677
HCM Lane V/C Ratio	-	-	0.167	0.104	-	-	0.125	-	-	-	-	0.156
HCM Control Delay (s)	0	0	12.3	10.8	-	-	12.6	-	-	0	0	11.3
HCM Lane LOS	A	A	B	B	-	-	B	-	-	A	A	B
HCM 95th %tile Q(veh)	-	-	0.6	0.3	-	-	0.4	-	-	-	-	0.6

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	8	698	511	14	44	13
Future Vol, veh/h	8	698	511	14	44	13
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	216	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	776	568	16	49	14

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	568	0	-	0	904	292
Stage 1	-	-	-	-	576	-
Stage 2	-	-	-	-	328	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	629	-	-	-	418	654
Stage 1	-	-	-	-	514	-
Stage 2	-	-	-	-	708	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	629	-	-	-	412	654
Mov Cap-2 Maneuver	-	-	-	-	412	-
Stage 1	-	-	-	-	507	-
Stage 2	-	-	-	-	708	-

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	12.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	629	-	-	-	534
HCM Lane V/C Ratio	0.014	-	-	-	0.119
HCM Control Delay (s)	10.8	-	-	-	12.6
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.4

APPENDIX D

CAPACITY ANALYSIS CALCULATIONS
PROJECTED YEAR 2031 PEAK HOUR TRAFFIC
ANALYSIS WITHOUT PROJECT

HCM 6th Signalized Intersection Summary
1: Wakea St & Kapolei Pkwy/Kapolei Pkwy

12/10/2025

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	39	207	7	16	548	207	24	74	47	216	47	57
Future Volume (veh/h)	39	207	7	16	548	207	24	74	47	216	47	57
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	45	238	0	18	630	0	28	85	0	248	54	0
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	89	1585		41	1447		541	966		523	966	
Arrive On Green	0.05	0.31	0.00	0.02	0.28	0.00	0.27	0.27	0.00	0.27	0.27	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1350	3647	0	1313	3647	0
Grp Volume(v), veh/h	45	238	0	18	630	0	28	85	0	248	54	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1350	1777	0	1313	1777	0
Q Serve(g_s), s	0.9	1.3	0.0	0.4	3.8	0.0	0.6	0.7	0.0	6.6	0.4	0.0
Cycle Q Clear(g_c), s	0.9	1.3	0.0	0.4	3.8	0.0	1.0	0.7	0.0	7.3	0.4	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	89	1585		41	1447		541	966		523	966	
V/C Ratio(X)	0.51	0.15		0.44	0.44		0.05	0.09		0.47	0.06	
Avail Cap(c_a), veh/h	563	6184		328	5512		2023	4865		1963	4865	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	17.6	9.5	0.0	18.3	11.1	0.0	10.6	10.3	0.0	13.0	10.2	0.0
Incr Delay (d2), s/veh	4.4	0.0	0.0	7.4	0.2	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.4	0.0	0.2	1.1	0.0	0.1	0.2	0.0	1.6	0.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.0	9.5	0.0	25.8	11.3	0.0	10.6	10.4	0.0	13.7	10.2	0.0
LnGrp LOS	C	A		C	B		B	B		B	B	
Approach Vol, veh/h		283			648			113			302	
Approach Delay, s/veh		11.5			11.7			10.4			13.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	5.9	16.8		15.3	6.9	15.8		15.3				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	7.0	46.0		52.0	12.0	41.0		52.0				
Max Q Clear Time (g_c+I1), s	2.4	3.3		9.3	2.9	5.8		3.0				
Green Ext Time (p_c), s	0.0	1.7		1.2	0.0	4.9		0.6				

Intersection Summary	
HCM 6th Ctrl Delay	11.9
HCM 6th LOS	B

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	59	245	600	18	5	26
Future Vol, veh/h	59	245	600	18	5	26
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	64	266	652	20	5	28

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	652	0	-	0	896	336
Stage 1	-	-	-	-	662	-
Stage 2	-	-	-	-	234	-
Critical Hdwy	5.34	-	-	-	5	6
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	574	-	-	-	421	626
Stage 1	-	-	-	-	468	-
Stage 2	-	-	-	-	769	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	574	-	-	-	374	626
Mov Cap-2 Maneuver	-	-	-	-	374	-
Stage 1	-	-	-	-	416	-
Stage 2	-	-	-	-	769	-

Approach	EB	WB	SB
HCM Control Delay, s	2.3	0	10.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	574	-	-	-	746
HCM Lane V/C Ratio	0.112	-	-	-	0.045
HCM Control Delay (s)	12.1	-	-	-	10.1
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.4	-	-	-	0.1

Intersection	
Int Delay, s/veh	2.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	207	19	25	558	45	0	0	95	0	0	109
Future Vol, veh/h	30	207	19	25	558	45	0	0	95	0	0	109
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	166	-	175	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	233	21	28	627	51	0	0	107	0	0	122

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	627	0	0	233	0	0	619	995	127	870	1010	339
Stage 1	-	-	-	-	-	-	312	312	-	709	709	-
Stage 2	-	-	-	-	-	-	307	683	-	161	301	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	590	-	-	902	-	-	508	324	793	391	319	618
Stage 1	-	-	-	-	-	-	641	718	-	388	534	-
Stage 2	-	-	-	-	-	-	679	545	-	795	724	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	590	-	-	902	-	-	380	296	793	316	291	618
Mov Cap-2 Maneuver	-	-	-	-	-	-	380	296	-	316	291	-
Stage 1	-	-	-	-	-	-	604	676	-	365	517	-
Stage 2	-	-	-	-	-	-	528	528	-	648	682	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.3	0.4	10.2	12.3
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	-	-	793	590	-	-	902	-	-	-	-	618
HCM Lane V/C Ratio	-	-	0.135	0.057	-	-	0.031	-	-	-	-	0.198
HCM Control Delay (s)	0	0	10.2	11.5	-	-	9.1	-	-	0	0	12.3
HCM Lane LOS	A	A	B	B	-	-	A	-	-	A	A	B
HCM 95th %tile Q(veh)	-	-	0.5	0.2	-	-	0.1	-	-	-	-	0.7

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	9	245	609	56	5	1
Future Vol, veh/h	9	245	609	56	5	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	216	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	10	269	669	62	5	1

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	669	0	-	0	828	366
Stage 1	-	-	-	-	700	-
Stage 2	-	-	-	-	128	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	564	-	-	-	448	599
Stage 1	-	-	-	-	449	-
Stage 2	-	-	-	-	844	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	564	-	-	-	440	599
Mov Cap-2 Maneuver	-	-	-	-	440	-
Stage 1	-	-	-	-	441	-
Stage 2	-	-	-	-	844	-

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	11.9
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	564	-	-	-	528
HCM Lane V/C Ratio	0.018	-	-	-	0.012
HCM Control Delay (s)	11.5	-	-	-	11.9
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	42	648	24	21	459	139	20	47	25	290	51	41
Future Volume (veh/h)	42	648	24	21	459	139	20	47	25	290	51	41
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	45	689	0	22	488	0	21	50	0	309	54	0
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	88	1516		48	1403		572	1069		574	1069	
Arrive On Green	0.05	0.30	0.00	0.03	0.27	0.00	0.30	0.30	0.00	0.30	0.30	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1350	3647	0	1355	3647	0
Grp Volume(v), veh/h	45	689	0	22	488	0	21	50	0	309	54	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1350	1777	0	1355	1777	0
Q Serve(g_s), s	1.0	4.4	0.0	0.5	3.1	0.0	0.4	0.4	0.0	8.4	0.4	0.0
Cycle Q Clear(g_c), s	1.0	4.4	0.0	0.5	3.1	0.0	0.9	0.4	0.0	8.8	0.4	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	88	1516		48	1403		572	1069		574	1069	
V/C Ratio(X)	0.51	0.45		0.46	0.35		0.04	0.05		0.54	0.05	
Avail Cap(c_a), veh/h	534	5362		312	4724		2056	4976		2064	4976	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	18.5	11.4	0.0	19.2	11.6	0.0	10.2	9.9	0.0	13.0	9.9	0.0
Incr Delay (d2), s/veh	4.6	0.2	0.0	6.6	0.1	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	1.3	0.0	0.3	1.0	0.0	0.1	0.1	0.0	2.1	0.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.1	11.6	0.0	25.7	11.8	0.0	10.3	9.9	0.0	13.8	9.9	0.0
LnGrp LOS	C	B		C	B		B	A		B	A	
Approach Vol, veh/h		734			510			71			363	
Approach Delay, s/veh		12.3			12.4			10.0			13.2	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.1	16.9		17.0	7.0	16.0		17.0				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	7.0	42.0		56.0	12.0	37.0		56.0				
Max Q Clear Time (g_c+I1), s	2.5	6.4		10.8	3.0	5.1		2.9				
Green Ext Time (p_c), s	0.0	5.5		1.4	0.0	3.6		0.4				

Intersection Summary		
HCM 6th Ctrl Delay	12.4	
HCM 6th LOS	B	

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	92	685	493	33	38	50
Future Vol, veh/h	92	685	493	33	38	50
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	101	753	542	36	42	55

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	542	0	-	0	1063	289
Stage 1	-	-	-	-	560	-
Stage 2	-	-	-	-	503	-
Critical Hdwy	5.34	-	-	-	5	7.14
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3	3
Pot Cap-1 Maneuver	647	-	-	-	413	761
Stage 1	-	-	-	-	628	-
Stage 2	-	-	-	-	731	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	647	-	-	-	349	761
Mov Cap-2 Maneuver	-	-	-	-	349	-
Stage 1	-	-	-	-	530	-
Stage 2	-	-	-	-	731	-

Approach	EB	WB	SB
HCM Control Delay, s	1.4	0	10.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	647	-	-	-	808
HCM Lane V/C Ratio	0.156	-	-	-	0.12
HCM Control Delay (s)	11.6	-	-	-	10.1
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.6	-	-	-	0.4

Intersection	
Int Delay, s/veh	2.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	73	692	47	61	472	32	0	0	89	0	0	101
Future Vol, veh/h	73	692	47	61	472	32	0	0	89	0	0	101
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	166	-	175	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	81	769	52	68	524	36	0	0	99	0	0	112

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	524	0	0	769	0	0	1303	1617	411	1148	1609	280
Stage 1	-	-	-	-	-	-	957	957	-	678	678	-
Stage 2	-	-	-	-	-	-	346	660	-	470	931	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3	3	3	3	3	3
Pot Cap-1 Maneuver	660	-	-	505	-	-	279	185	706	333	187	837
Stage 1	-	-	-	-	-	-	326	526	-	480	673	-
Stage 2	-	-	-	-	-	-	799	684	-	689	539	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	660	-	-	505	-	-	197	140	706	233	142	837
Mov Cap-2 Maneuver	-	-	-	-	-	-	197	140	-	233	142	-
Stage 1	-	-	-	-	-	-	286	461	-	421	582	-
Stage 2	-	-	-	-	-	-	599	592	-	520	473	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1	1.4	10.9	10
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	-	-	706	660	-	-	505	-	-	-	-	837
HCM Lane V/C Ratio	-	-	0.14	0.123	-	-	0.134	-	-	-	-	0.134
HCM Control Delay (s)	0	0	10.9	11.2	-	-	13.2	-	-	0	0	10
HCM Lane LOS	A	A	B	B	-	-	B	-	-	A	A	B
HCM 95th %tile Q(veh)	-	-	0.5	0.4	-	-	0.5	-	-	-	-	0.5

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	8	769	553	14	44	13
Future Vol, veh/h	8	769	553	14	44	13
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	216	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	854	614	16	49	14

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	614	0	-	0	982	315
Stage 1	-	-	-	-	622	-
Stage 2	-	-	-	-	360	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	598	-	-	-	388	636
Stage 1	-	-	-	-	489	-
Stage 2	-	-	-	-	688	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	598	-	-	-	382	636
Mov Cap-2 Maneuver	-	-	-	-	382	-
Stage 1	-	-	-	-	482	-
Stage 2	-	-	-	-	688	-

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	13.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	598	-	-	-	495
HCM Lane V/C Ratio	0.015	-	-	-	0.128
HCM Control Delay (s)	11.1	-	-	-	13.3
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.4

APPENDIX E

TRAFFIC SIGNAL WARRANT
WARRANT 3

Warrant 3: Peak-Hour Volumes and Delay

City and County of Honolulu
Kapolei Pkwy & Kamaaha Ave

Kapolei Lots 2-5

	Major Street	Minor Street
Street Name	Kapolei Pkwy	Kamaaha Ave
Direction	E-W	N-S
Number of Lanes	3	2
Approach Speed	25	25

Population less than 10,000? No
Date of Count:
Scenario: AM Year 2031 With Project

Warrant 3 Met?: Met when either Condition A or B is met — **No**

Condition A: Met when conditions A1, A2, and A3 are met — Not Met

Condition A1 — Not Met

The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one lane approach, or five vehicle-hours for a two-lane approach

Minor Approach Delay: 1.05 vehicle-hours

Condition A2 — Met

The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic of 150 vph for two moving lanes

Minor Approach Volume: 256 vph

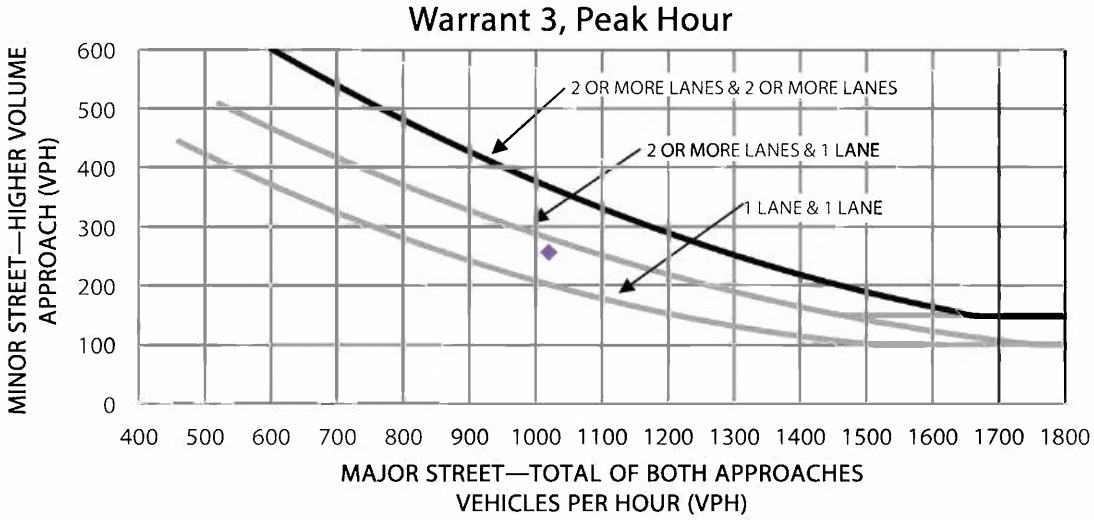
Condition A3 — Met

The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more appraches or 650 vph for intersections with three approaches

Total Entering Volume: 1384 vph

Condition B — Not Met

The plotted point falls above the curve



Warrant 3: Peak-Hour Volumes and Delay

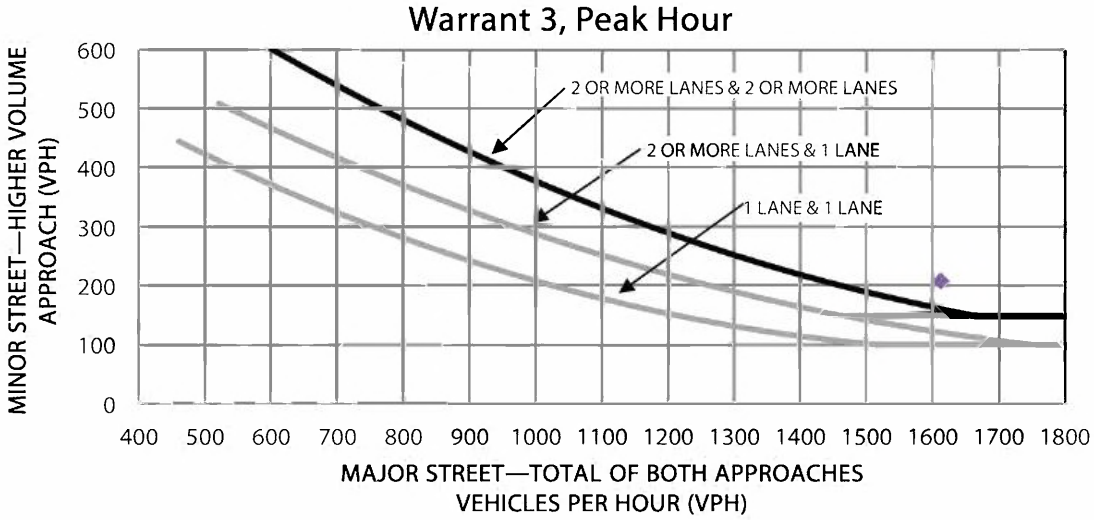
City and County of Honolulu
Kapolei Pkwy & Kamaaha Ave

Kapolei Lot 2-5

	Major Street	Minor Street
Street Name	Kapolei Pkwy	Kamaaha Ave
Direction	E-W	N-S
Number of Lanes	3	2
Approach Speed	25	25

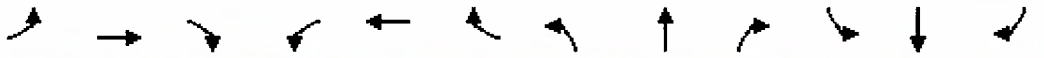
Population less than 10,000? No
Date of Count:
Scenario: PM Year 2031 With Project

Warrant 3 Met?: Met when either Condition A or B is met	**Yes**
Condition A: Met when conditions A1, A2, and A3 are met	Not Met
Condition A1	Not Met
The total delay experienced by traffic on one minor street approach (one direction only) controlled by a STOP sign equals or exceeds four vehicle-hours for a one lane approach, or five vehicle-hours for a two-lane approach	
Minor Approach Delay: 2.56 vehicle-hours	
Condition A2	Met
The volume on the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic of 150 vph for two moving lanes	
Minor Approach Volume: 208 vph	
Condition A3	Met
The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with four or more appraches or 650 vph for intersections with three approaches	
Total Entering Volume: 1925 vph	
Condition B	Met
The plotted point falls above the curve	



APPENDIX F

CAPACITY ANALYSIS CALCULATIONS
PROJECTED YEAR 2031 PEAK HOUR TRAFFIC
ANALYSIS WITH PROJECT



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	45	298	14	25	595	207	92	113	70	216	51	68
Future Volume (veh/h)	45	298	14	25	595	207	92	113	70	216	51	68
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	52	343	0	29	684	0	106	130	0	248	59	0
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	95	1627		60	1528		560	1095		517	1095	
Arrive On Green	0.05	0.32	0.00	0.03	0.30	0.00	0.31	0.31	0.00	0.31	0.31	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1338	3647	0	1255	3647	0
Grp Volume(v), veh/h	52	343	0	29	684	0	106	130	0	248	59	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1338	1777	0	1255	1777	0
Q Serve(g_s), s	1.3	2.2	0.0	0.7	4.8	0.0	2.7	1.2	0.0	7.8	0.5	0.0
Cycle Q Clear(g_c), s	1.3	2.2	0.0	0.7	4.8	0.0	3.2	1.2	0.0	9.0	0.5	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	95	1627		60	1528		560	1095		517	1095	
V/C Ratio(X)	0.55	0.21		0.48	0.45		0.19	0.12		0.48	0.05	
Avail Cap(c_a), veh/h	524	5197		322	4620		1721	4180		1606	4180	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.4	11.0	0.0	21.0	12.5	0.0	11.9	11.0	0.0	14.2	10.8	0.0
Incr Delay (d2), s/veh	4.8	0.1	0.0	5.8	0.2	0.0	0.2	0.0	0.0	0.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.7	0.0	0.4	1.5	0.0	0.7	0.4	0.0	1.9	0.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.2	11.1	0.0	26.8	12.7	0.0	12.0	11.0	0.0	14.9	10.8	0.0
LnGrp LOS	C	B		C	B		B	B		B	B	
Approach Vol, veh/h		395			713			236			307	
Approach Delay, s/veh		12.9			13.3			11.5			14.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.5	19.1		18.6	7.4	18.2		18.6				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	8.0	45.0		52.0	13.0	40.0		52.0				
Max Q Clear Time (g_c+I1), s	2.7	4.2		11.0	3.3	6.8		5.2				
Green Ext Time (p_c), s	0.0	2.6		1.3	0.1	5.4		1.2				

Intersection Summary	
HCM 6th Ctrl Delay	13.1
HCM 6th LOS	B

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	59	349	726	18	5	26
Future Vol, veh/h	59	349	726	18	5	26
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	64	379	789	20	5	28

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	791	0	-	0	1081	407
Stage 1	-	-	-	-	801	-
Stage 2	-	-	-	-	280	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	493	-	-	-	353	570
Stage 1	-	-	-	-	402	-
Stage 2	-	-	-	-	738	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	492	-	-	-	306	569
Mov Cap-2 Maneuver	-	-	-	-	306	-
Stage 1	-	-	-	-	349	-
Stage 2	-	-	-	-	737	-

Approach	EB	WB	SB
HCM Control Delay, s	1.9	0	10.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	492	-	-	-	678
HCM Lane V/C Ratio	0.13	-	-	-	0.05
HCM Control Delay (s)	13.4	-	-	-	10.6
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.4	-	-	-	0.2

Intersection	
Int Delay, s/veh	3.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	246	39	62	647	45	0	0	160	0	0	109
Future Vol, veh/h	30	246	39	62	647	45	0	0	160	0	0	109
Conflicting Peds, #/hr	1	0	4	4	0	1	2	0	2	2	0	2
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Free	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	150	-	150	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	276	44	70	727	51	0	0	180	0	0	122

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	728	0	-	280	0	0	781	1216	144	1074	1242	392
Stage 1	-	-	-	-	-	-	348	348	-	894	894	-
Stage 2	-	-	-	-	-	-	433	868	-	180	348	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	528	-	0	858	-	-	430	255	777	315	248	581
Stage 1	-	-	0	-	-	-	613	700	-	305	463	-
Stage 2	-	-	0	-	-	-	592	473	-	779	700	-
Platoon blocked, %		-			-	-						
Mov Cap-1 Maneuver	527	-	-	855	-	-	301	218	773	215	212	579
Mov Cap-2 Maneuver	-	-	-	-	-	-	301	218	-	215	212	-
Stage 1	-	-	-	-	-	-	571	652	-	285	425	-
Stage 2	-	-	-	-	-	-	428	434	-	558	652	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.3	0.8	11.1	12.9
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	-	-	773	527	-	855	-	-	-	-	579
HCM Lane V/C Ratio	-	-	0.233	0.064	-	0.081	-	-	-	-	0.212
HCM Control Delay (s)	0	0	11.1	12.3	-	9.6	-	-	0	0	12.9
HCM Lane LOS	A	A	B	B	-	A	-	-	A	A	B
HCM 95th %tile Q(veh)	-	-	0.9	0.2	-	0.3	-	-	-	-	0.8

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	9	272	8	10	688	56	20	12	26	5	5	1
Future Vol, veh/h	9	272	8	10	688	56	20	12	26	5	5	1
Conflicting Peds, #/hr	4	0	0	4	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	216	-	-	300	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	92	92	91	91	92	92	92	91	92	91
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	10	299	9	11	756	62	22	13	28	5	5	1

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	760	0	0	303	0	0	655	1110	158	959	1136	413
Stage 1	-	-	-	-	-	-	328	328	-	813	813	-
Stage 2	-	-	-	-	-	-	327	782	-	146	323	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3	3	3	3	3	3
Pot Cap-1 Maneuver	510	-	-	837	-	-	583	337	980	414	327	704
Stage 1	-	-	-	-	-	-	773	910	-	398	598	-
Stage 2	-	-	-	-	-	-	817	614	-	1011	914	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	508	-	-	834	-	-	558	324	976	378	314	701
Mov Cap-2 Maneuver	-	-	-	-	-	-	558	324	-	378	314	-
Stage 1	-	-	-	-	-	-	755	888	-	389	588	-
Stage 2	-	-	-	-	-	-	798	604	-	948	892	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.1	11.6	15.3
HCM LOS			B	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	439	976	508	-	-	834	-	-	343	701
HCM Lane V/C Ratio	0.079	0.029	0.019	-	-	0.013	-	-	0.032	0.002
HCM Control Delay (s)	13.9	8.8	12.2	-	-	9.4	-	-	15.8	10.1
HCM Lane LOS	B	A	B	-	-	A	-	-	C	B
HCM 95th %tile Q(veh)	0.3	0.1	0.1	-	-	0	-	-	0.1	0

HCM 6th Signalized Intersection Summary
1: Wakea St & Kapolei Pkwy/Kapolei Pkwy

12/10/2025

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	710	43	45	553	139	66	74	41	290	62	77
Future Volume (veh/h)	46	710	43	45	553	139	66	74	41	290	62	77
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	49	755	0	48	588	0	70	79	0	309	66	0
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	88	1627		87	1623		567	1171		558	1171	
Arrive On Green	0.05	0.32	0.00	0.05	0.32	0.00	0.33	0.33	0.00	0.33	0.33	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1329	3647	0	1313	3647	0
Grp Volume(v), veh/h	49	755	0	48	588	0	70	79	0	309	66	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1329	1777	0	1313	1777	0
Q Serve(g_s), s	1.3	5.9	0.0	1.3	4.4	0.0	1.9	0.8	0.0	10.4	0.6	0.0
Cycle Q Clear(g_c), s	1.3	5.9	0.0	1.3	4.4	0.0	2.5	0.8	0.0	11.2	0.6	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	88	1627		87	1623		567	1171		558	1171	
V/C Ratio(X)	0.56	0.46		0.55	0.36		0.12	0.07		0.55	0.06	
Avail Cap(c_a), veh/h	396	4023		360	3920		1632	4020		1611	4020	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	23.0	13.5	0.0	23.0	13.0	0.0	12.2	11.4	0.0	15.2	11.3	0.0
Incr Delay (d2), s/veh	5.4	0.2	0.0	5.4	0.1	0.0	0.1	0.0	0.0	0.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	1.9	0.0	0.6	1.5	0.0	0.5	0.3	0.0	2.8	0.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.4	13.7	0.0	28.4	13.2	0.0	12.3	11.4	0.0	16.1	11.4	0.0
LnGrp LOS	C	B		C	B		B	B		B	B	
Approach Vol, veh/h		804			636			149			375	
Approach Delay, s/veh		14.6			14.3			11.8			15.2	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.4	20.8		21.3	7.5	20.7		21.3				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	10.0	39.0		56.0	11.0	38.0		56.0				
Max Q Clear Time (g_c+I1), s	3.3	7.9		13.2	3.3	6.4		4.5				
Green Ext Time (p_c), s	0.0	6.0		1.5	0.0	4.5		0.7				

Intersection Summary												
HCM 6th Ctrl Delay			14.4									
HCM 6th LOS			B									

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	92	770	669	33	38	50
Future Vol, veh/h	92	770	669	33	38	50
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	101	846	735	36	42	55

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	735	0	-	0	1293	386
Stage 1	-	-	-	-	753	-
Stage 2	-	-	-	-	540	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	524	-	-	-	288	585
Stage 1	-	-	-	-	424	-
Stage 2	-	-	-	-	585	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	524	-	-	-	232	585
Mov Cap-2 Maneuver	-	-	-	-	232	-
Stage 1	-	-	-	-	342	-
Stage 2	-	-	-	-	585	-

Approach	EB	WB	SB
HCM Control Delay, s	1.4	0	13.2
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	524	-	-	-	537
HCM Lane V/C Ratio	0.193	-	-	-	0.18
HCM Control Delay (s)	13.5	-	-	-	13.2
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.7	-	-	-	0.7

Intersection	
Int Delay, s/veh	3.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	73	733	99	158	551	32	0	0	133	0	0	101
Future Vol, veh/h	73	733	99	158	551	32	0	0	133	0	0	101
Conflicting Peds, #/hr	1	0	4	4	0	1	2	0	2	2	0	2
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	166	-	175	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	81	814	110	176	612	36	0	0	148	0	0	112

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	613	0	0	818	0	0	1634	2000	468	1473	1963	327
Stage 1	-	-	-	-	-	-	1035	1035	-	983	983	-
Stage 2	-	-	-	-	-	-	599	965	-	490	980	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	599	-	-	479	-	-	171	105	530	205	110	627
Stage 1	-	-	-	-	-	-	254	414	-	272	432	-
Stage 2	-	-	-	-	-	-	493	438	-	556	433	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	598	-	-	477	-	-	90	57	527	95	60	625
Mov Cap-2 Maneuver	-	-	-	-	-	-	90	57	-	95	60	-
Stage 1	-	-	-	-	-	-	219	357	-	235	272	-
Stage 2	-	-	-	-	-	-	255	276	-	345	373	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1	3.6	14.5	12
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	-	-	527	598	-	-	477	-	-	-	-	625
HCM Lane V/C Ratio	-	-	0.28	0.136	-	-	0.368	-	-	-	-	0.18
HCM Control Delay (s)	0	0	14.5	12	-	-	16.9	-	-	0	0	12
HCM Lane LOS	A	A	B	B	-	-	C	-	-	A	A	B
HCM 95th %tile Q(veh)	-	-	1.1	0.5	-	-	1.7	-	-	-	-	0.7

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	8	840	21	37	599	14	14	4	22	44	6	13
Future Vol, veh/h	8	840	21	37	599	14	14	4	22	44	6	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	216	-	-	300	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	933	23	41	666	16	16	4	24	49	7	14

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	666	0	0	933	0	0	1315	1711	478	1149	1707	341
Stage 1	-	-	-	-	-	-	963	963	-	756	756	-
Stage 2	-	-	-	-	-	-	352	748	-	393	951	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	566	-	-	422	-	-	243	147	524	291	148	617
Stage 1	-	-	-	-	-	-	279	439	-	365	515	-
Stage 2	-	-	-	-	-	-	647	519	-	619	443	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	566	-	-	422	-	-	209	131	524	247	132	617
Mov Cap-2 Maneuver	-	-	-	-	-	-	209	131	-	247	132	-
Stage 1	-	-	-	-	-	-	275	432	-	359	465	-
Stage 2	-	-	-	-	-	-	562	469	-	575	436	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.8	18.8	23.1
HCM LOS			C	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	185	524	566	-	-	422	-	-	224	617
HCM Lane V/C Ratio	0.108	0.047	0.016	-	-	0.097	-	-	0.248	0.023
HCM Control Delay (s)	26.8	12.2	11.5	-	-	14.4	-	-	26.3	11
HCM Lane LOS	D	B	B	-	-	B	-	-	D	B
HCM 95th %tile Q(veh)	0.4	0.1	0	-	-	0.3	-	-	0.9	0.1

HCM 6th Signalized Intersection Summary
1: Wakea St & Kapolei Pkwy/Kapolei Pkwy

12/10/2025

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	45	298	14	25	595	207	42	84	70	216	51	68
Future Volume (veh/h)	45	298	14	25	595	207	42	84	70	216	51	68
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	52	343	0	29	684	0	48	97	0	248	59	0
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	96	1646		61	1545		548	1056		525	1056	
Arrive On Green	0.05	0.32	0.00	0.03	0.30	0.00	0.30	0.30	0.00	0.30	0.30	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1338	3647	0	1293	3647	0
Grp Volume(v), veh/h	52	343	0	29	684	0	48	97	0	248	59	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1338	1777	0	1293	1777	0
Q Serve(g_s), s	1.2	2.1	0.0	0.7	4.7	0.0	1.2	0.9	0.0	7.4	0.5	0.0
Cycle Q Clear(g_c), s	1.2	2.1	0.0	0.7	4.7	0.0	1.7	0.9	0.0	8.3	0.5	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	96	1646		61	1545		548	1056		525	1056	
V/C Ratio(X)	0.54	0.21		0.48	0.44		0.09	0.09		0.47	0.06	
Avail Cap(c_a), veh/h	535	5309		329	4719		1758	4270		1694	4270	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.0	10.7	0.0	20.5	12.2	0.0	11.5	11.0	0.0	14.0	10.9	0.0
Incr Delay (d2), s/veh	4.7	0.1	0.0	5.8	0.2	0.0	0.1	0.0	0.0	0.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.7	0.0	0.4	1.5	0.0	0.3	0.3	0.0	1.9	0.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	24.7	10.7	0.0	26.3	12.4	0.0	11.5	11.0	0.0	14.6	10.9	0.0
LnGrp LOS	C	B		C	B		B	B		B	B	
Approach Vol, veh/h		395			713			145			307	
Approach Delay, s/veh		12.6			12.9			11.2			13.9	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.5	18.9		17.9	7.3	18.1		17.9				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	8.0	45.0		52.0	13.0	40.0		52.0				
Max Q Clear Time (g_c+I1), s	2.7	4.1		10.3	3.2	6.7		3.7				
Green Ext Time (p_c), s	0.0	2.6		1.2	0.1	5.4		0.8				

Intersection Summary		
HCM 6th Ctrl Delay		12.9
HCM 6th LOS		B

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	0.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	43	349	676	18	5	26
Future Vol, veh/h	43	349	676	18	5	26
Conflicting Peds, #/hr	2	0	0	2	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	47	379	735	20	5	28

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	737	0	-	0	993	380
Stage 1	-	-	-	-	747	-
Stage 2	-	-	-	-	246	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	523	-	-	-	384	589
Stage 1	-	-	-	-	427	-
Stage 2	-	-	-	-	761	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	522	-	-	-	348	588
Mov Cap-2 Maneuver	-	-	-	-	348	-
Stage 1	-	-	-	-	388	-
Stage 2	-	-	-	-	759	-

Approach	EB	WB	SB
HCM Control Delay, s	1.4	0	10.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	522	-	-	-	701
HCM Lane V/C Ratio	0.09	-	-	-	0.048
HCM Control Delay (s)	12.6	-	-	-	10.4
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.3	-	-	-	0.2

Intersection	
Int Delay, s/veh	4.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	30	246	39	62	597	45	66	30	160	0	0	109
Future Vol, veh/h	30	246	39	62	597	45	66	30	160	0	0	109
Conflicting Peds, #/hr	1	0	4	4	0	1	2	0	2	2	0	2
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Free	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	150	-	150	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	276	44	70	671	51	74	34	180	0	0	122

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	672	0	-	280	0	0	758	1160	144	1035	1186	364
Stage 1	-	-	-	-	-	-	348	348	-	838	838	-
Stage 2	-	-	-	-	-	-	410	812	-	197	348	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	562	-	0	858	-	-	440	271	777	329	264	600
Stage 1	-	-	0	-	-	-	613	700	-	328	484	-
Stage 2	-	-	0	-	-	-	607	494	-	764	700	-
Platoon blocked, %		-			-	-						
Mov Cap-1 Maneuver	561	-	-	855	-	-	311	233	773	201	227	598
Mov Cap-2 Maneuver	-	-	-	-	-	-	311	233	-	201	227	-
Stage 1	-	-	-	-	-	-	574	655	-	308	444	-
Stage 2	-	-	-	-	-	-	442	453	-	521	655	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	1.3	0.8	14.8	12.6
HCM LOS			B	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	311	233	773	561	-	855	-	-	-	-	598
HCM Lane V/C Ratio	0.238	0.145	0.233	0.06	-	0.081	-	-	-	-	0.205
HCM Control Delay (s)	20.2	23	11.1	11.8	-	9.6	-	-	0	0	12.6
HCM Lane LOS	C	C	B	B	-	A	-	-	A	A	B
HCM 95th %tile Q(veh)	0.9	0.5	0.9	0.2	-	0.3	-	-	-	-	0.8

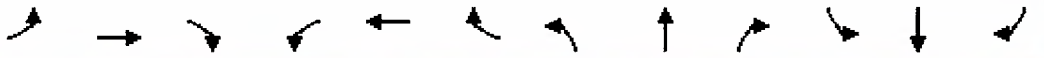
Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	9	272	8	10	688	56	20	6	32	5	5	1
Future Vol, veh/h	9	272	8	10	688	56	20	6	32	5	5	1
Conflicting Peds, #/hr	4	0	0	4	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	216	-	-	300	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	92	92	91	91	92	92	92	91	92	91
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	10	299	9	11	756	62	22	7	35	5	5	1

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	760	0	0	303	0	0	655	1110	158	956	1136	413
Stage 1	-	-	-	-	-	-	328	328	-	813	813	-
Stage 2	-	-	-	-	-	-	327	782	-	143	323	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	510	-	-	837	-	-	490	287	765	357	279	566
Stage 1	-	-	-	-	-	-	629	710	-	339	493	-
Stage 2	-	-	-	-	-	-	665	505	-	810	712	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	508	-	-	834	-	-	468	276	762	325	268	564
Mov Cap-2 Maneuver	-	-	-	-	-	-	468	276	-	325	268	-
Stage 1	-	-	-	-	-	-	615	693	-	331	485	-
Stage 2	-	-	-	-	-	-	648	496	-	751	695	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.1	12.1	17.1
HCM LOS			B	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	403	762	508	-	-	834	-	-	294	564
HCM Lane V/C Ratio	0.07	0.046	0.019	-	-	0.013	-	-	0.037	0.002
HCM Control Delay (s)	14.6	10	12.2	-	-	9.4	-	-	17.7	11.4
HCM Lane LOS	B	B	B	-	-	A	-	-	C	B
HCM 95th %tile Q(veh)	0.2	0.1	0.1	-	-	0	-	-	0.1	0



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	710	43	45	553	139	32	54	41	290	62	77
Future Volume (veh/h)	46	710	43	45	553	139	32	54	41	290	62	77
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	0.99		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	49	755	0	48	588	0	34	57	0	309	66	0
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	89	1639		87	1636		559	1145		564	1145	
Arrive On Green	0.05	0.32	0.00	0.05	0.32	0.00	0.32	0.32	0.00	0.32	0.32	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1329	3647	0	1340	3647	0
Grp Volume(v), veh/h	49	755	0	48	588	0	34	57	0	309	66	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1329	1777	0	1340	1777	0
Q Serve(g_s), s	1.3	5.7	0.0	1.3	4.3	0.0	0.9	0.5	0.0	10.1	0.6	0.0
Cycle Q Clear(g_c), s	1.3	5.7	0.0	1.3	4.3	0.0	1.5	0.5	0.0	10.6	0.6	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	89	1639		87	1636		559	1145		564	1145	
V/C Ratio(X)	0.55	0.46		0.55	0.36		0.06	0.05		0.55	0.06	
Avail Cap(c_a), veh/h	402	4085		365	3981		1657	4083		1672	4083	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	22.6	13.2	0.0	22.7	12.7	0.0	11.9	11.4	0.0	15.0	11.4	0.0
Incr Delay (d2), s/veh	5.3	0.2	0.0	5.3	0.1	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	1.9	0.0	0.6	1.4	0.0	0.2	0.2	0.0	2.7	0.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.9	13.4	0.0	27.9	12.9	0.0	12.0	11.4	0.0	15.9	11.4	0.0
LnGrp LOS	C	B		C	B		B	B		B	B	
Approach Vol, veh/h		804			636			91			375	
Approach Delay, s/veh		14.3			14.0			11.6			15.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.4	20.6		20.7	7.4	20.6		20.7				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	10.0	39.0		56.0	11.0	38.0		56.0				
Max Q Clear Time (g_c+I1), s	3.3	7.7		12.6	3.3	6.3		3.5				
Green Ext Time (p_c), s	0.0	6.0		1.5	0.0	4.5		0.5				

Intersection Summary												
HCM 6th Ctrl Delay			14.2									
HCM 6th LOS			B									

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	71	770	635	33	38	50
Future Vol, veh/h	71	770	635	33	38	50
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	Yield	-	Stop
Storage Length	220	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	78	846	698	36	42	55

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	698	0	-	0	1210	367
Stage 1	-	-	-	-	716	-
Stage 2	-	-	-	-	494	-
Critical Hdwy	5.34	-	-	-	5	6.1
Critical Hdwy Stg 1	-	-	-	-	5.6	-
Critical Hdwy Stg 2	-	-	-	-	5	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	546	-	-	-	312	598
Stage 1	-	-	-	-	442	-
Stage 2	-	-	-	-	610	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	546	-	-	-	267	598
Mov Cap-2 Maneuver	-	-	-	-	267	-
Stage 1	-	-	-	-	379	-
Stage 2	-	-	-	-	610	-

Approach	EB	WB	SB
HCM Control Delay, s	1.1	0	11.9
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	546	-	-	-	618
HCM Lane V/C Ratio	0.143	-	-	-	0.156
HCM Control Delay (s)	12.7	-	-	-	11.9
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0.5	-	-	-	0.6

Intersection	
Int Delay, s/veh	7.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	73	733	99	158	511	32	55	20	133	4	0	101
Future Vol, veh/h	73	733	99	158	511	32	55	20	133	4	0	101
Conflicting Peds, #/hr	1	0	4	4	0	1	2	0	2	2	0	2
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	225	-	-	385	-	-	166	-	175	200	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	81	814	110	176	568	36	61	22	148	4	0	112

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	569	0	0	818	0	0	1616	1956	468	1440	1919	305
Stage 1	-	-	-	-	-	-	1035	1035	-	939	939	-
Stage 2	-	-	-	-	-	-	581	921	-	501	980	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	628	-	-	479	-	-	175	111	530	212	116	644
Stage 1	-	-	-	-	-	-	254	414	-	288	447	-
Stage 2	-	-	-	-	-	-	503	453	-	550	433	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	627	-	-	477	-	-	93	61	527	73	63	642
Mov Cap-2 Maneuver	-	-	-	-	-	-	93	61	-	73	63	-
Stage 1	-	-	-	-	-	-	220	359	-	251	282	-
Stage 2	-	-	-	-	-	-	261	285	-	323	376	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.9	3.8	44.4	13.5
HCM LOS			E	B

Minor Lane/Major Mvmt	NBLn1	NBLn2	NBLn3	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2	SBLn3
Capacity (veh/h)	93	61	527	627	-	-	477	-	-	73	-	642
HCM Lane V/C Ratio	0.657	0.364	0.28	0.129	-	-	0.368	-	-	0.061	-	0.175
HCM Control Delay (s)	98.5	94.6	14.5	11.6	-	-	16.9	-	-	57.5	0	11.8
HCM Lane LOS	F	F	B	B	-	-	C	-	-	F	A	B
HCM 95th %tile Q(veh)	3.2	1.3	1.1	0.4	-	-	1.7	-	-	0.2	-	0.6

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	8	840	21	33	599	14	14	4	22	44	6	13
Future Vol, veh/h	8	840	21	33	599	14	14	4	22	44	6	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yield	-	-	Yield	-	-	Stop	-	-	Stop
Storage Length	216	-	-	300	-	-	-	-	0	-	-	0
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	933	23	37	666	16	16	4	24	49	7	14

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	666	0	0	933	0	0	1307	1703	478	1141	1699	341
Stage 1	-	-	-	-	-	-	963	963	-	748	748	-
Stage 2	-	-	-	-	-	-	344	740	-	393	951	-
Critical Hdwy	5.34	-	-	5.34	-	-	5.4	5.5	6.1	5.4	5.5	6.1
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	4.5	-	6.3	4.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.7	4.5	-	5.7	4.5	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	566	-	-	422	-	-	245	148	524	294	149	617
Stage 1	-	-	-	-	-	-	279	439	-	369	519	-
Stage 2	-	-	-	-	-	-	652	522	-	619	443	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	566	-	-	422	-	-	212	133	524	252	134	617
Mov Cap-2 Maneuver	-	-	-	-	-	-	212	133	-	252	134	-
Stage 1	-	-	-	-	-	-	275	432	-	363	473	-
Stage 2	-	-	-	-	-	-	573	476	-	575	436	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.1	0.7	18.6	22.7
HCM LOS			C	C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	187	524	566	-	-	422	-	-	228	617
HCM Lane V/C Ratio	0.107	0.047	0.016	-	-	0.087	-	-	0.244	0.023
HCM Control Delay (s)	26.5	12.2	11.5	-	-	14.3	-	-	25.8	11
HCM Lane LOS	D	B	B	-	-	B	-	-	D	B
HCM 95th %tile Q(veh)	0.4	0.1	0	-	-	0.3	-	-	0.9	0.1

HCM 6th Signalized Intersection Summary
3: Kamaaha St & Kapolei Pkwy

12/10/2025

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	240	39	62	597	45	66	30	160	0	0	109
Future Volume (veh/h)	30	240	39	62	597	45	66	30	160	0	0	109
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	0.99		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	34	270	0	70	671	0	74	34	0	0	0	0
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	73	1640		131	1806		429	201		239	201	
Arrive On Green	0.04	0.32	0.00	0.07	0.35	0.00	0.11	0.11	0.00	0.00	0.00	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1771	1870	1585	1375	1870	1585
Grp Volume(v), veh/h	34	270	0	70	671	0	74	34	0	0	0	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1771	1870	1585	1375	1870	1585
Q Serve(g_s), s	0.6	1.1	0.0	1.1	2.9	0.0	1.2	0.5	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.6	1.1	0.0	1.1	2.9	0.0	1.2	0.5	0.0	0.0	0.0	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	73	1640		131	1806		429	201		239	201	
V/C Ratio(X)	0.46	0.16		0.53	0.37		0.17	0.17		0.00	0.00	
Avail Cap(c_a), veh/h	887	7121		1301	8308		2651	2546		1963	2546	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	14.1	7.3	0.0	13.5	7.2	0.0	12.5	12.2	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	4.5	0.0	0.0	3.3	0.1	0.0	0.2	0.4	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.3	0.0	0.5	0.7	0.0	0.4	0.2	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	18.6	7.4	0.0	16.8	7.4	0.0	12.7	12.6	0.0	0.0	0.0	0.0
LnGrp LOS	B	A		B	A		B	B		A	A	
Approach Vol, veh/h		304			741			108			0	
Approach Delay, s/veh		8.6			8.3			12.7			0.0	
Approach LOS		A			A			B				

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.2	14.7		8.2	6.2	15.6		8.2				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	22.0	42.0		41.0	15.0	49.0		41.0				
Max Q Clear Time (g_c+I1), s	3.1	3.1		0.0	2.6	4.9		3.2				
Green Ext Time (p_c), s	0.1	2.0		0.0	0.0	5.4		0.4				

Intersection Summary	
HCM 6th Ctrl Delay	8.8
HCM 6th LOS	A

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

HCM 6th Signalized Intersection Summary
3: Kamaaha St & Kapolei Pkwy

12/10/2025

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	73	729	99	158	511	32	55	20	133	4	0	101
Future Volume (veh/h)	73	729	99	158	511	32	55	20	133	4	0	101
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	0.99		1.00	0.99		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	81	810	0	176	568	0	61	22	0	4	0	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	136	1846		240	2144		333	184		316	184	
Arrive On Green	0.08	0.36	0.00	0.13	0.42	0.00	0.10	0.10	0.00	0.10	0.00	0.00
Sat Flow, veh/h	1781	5274	0	1781	5274	0	1409	1870	1585	1382	1870	1585
Grp Volume(v), veh/h	81	810	0	176	568	0	61	22	0	4	0	0
Grp Sat Flow(s),veh/h/ln	1781	1702	0	1781	1702	0	1409	1870	1585	1382	1870	1585
Q Serve(g_s), s	1.6	4.5	0.0	3.5	2.7	0.0	1.5	0.4	0.0	0.1	0.0	0.0
Cycle Q Clear(g_c), s	1.6	4.5	0.0	3.5	2.7	0.0	1.5	0.4	0.0	0.5	0.0	0.0
Prop In Lane	1.00		0.00	1.00		0.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	136	1846		240	2144		333	184		316	184	
V/C Ratio(X)	0.60	0.44		0.73	0.26		0.18	0.12		0.01	0.00	
Avail Cap(c_a), veh/h	770	5381		1251	6761		1717	2022		1673	2022	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	16.5	9.0	0.0	15.4	7.0	0.0	15.7	15.2	0.0	15.4	0.0	0.0
Incr Delay (d2), s/veh	4.1	0.2	0.0	4.3	0.1	0.0	0.3	0.3	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	1.2	0.0	1.5	0.7	0.0	0.4	0.2	0.0	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.7	9.1	0.0	19.7	7.1	0.0	16.0	15.5	0.0	15.5	0.0	0.0
LnGrp LOS	C	A		B	A		B	B		B	A	
Approach Vol, veh/h		891			744			83			4	
Approach Delay, s/veh		10.2			10.1			15.9			15.5	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.0	18.4		8.6	7.8	20.5		8.6				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0		5.0				
Max Green Setting (Gmax), s	26.0	39.0		40.0	16.0	49.0		40.0				
Max Q Clear Time (g_c+I1), s	5.5	6.5		2.5	3.6	4.7		3.5				
Green Ext Time (p_c), s	0.5	6.6		0.0	0.1	4.5		0.3				

Intersection Summary	
HCM 6th Ctrl Delay	10.4
HCM 6th LOS	B

Notes

Unsignalized Delay for [NBR, EBR, WBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Appendix 5

Makakilo/Kapolei/Honokai Hale Neighborhood Board No. 34, December 10, 2025 Presentation and Draft Meeting Minutes and February 25, 2026 Draft Meeting Minutes



Kapolei Parkway Lots 2 – 5

HRS Chapter 201H Application

December 2025



Introduction

Two Hawaii-based organizations have joined forces to develop, own and operate the Kapolei Parkway Lots 2 – 5 in partnership with the City and County of Honolulu.

CITY AND COUNTY OF HONOLULU

Public Partner

KOBAYASHI GROUP

Co- Developer

ĀHĒ GROUP

Co- Developer

Proposal

Develop an affordable rental housing project in the core of Kapolei

Entitlement Process

Hawaii Revised Statutes, Chapter 201H Application

Location


Kapolei
Hale
Kama'aha Ave.
Wakea St.
Kapolei Parkway
Kapolei Parkway
Project Site
Parkway Village
At Kapolei
Mehana
Ho'okele
Elementary

Project Site

Area:
15.2 acres

Zoning:
BMX-3 Community Business Mixed Use

Special Management Area:
Not within SMA

Special District:
Not within a special district

Current Use:
Vacant land



Overview





~800 Total residential units

100% Of units affordable rentals

60% Area median income

Proposed Project

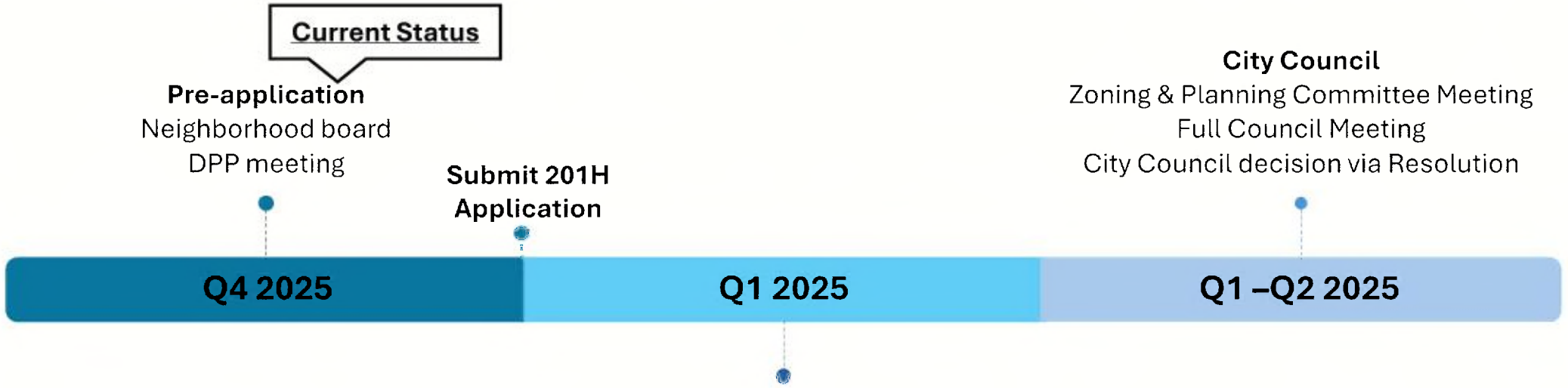
3 - 4	Stories
47’	Max. Building Height
~1,025	Vehicle Parking

The project will also include bicycle stalls, loading stalls, EV stalls, laundry rooms, trash rooms, and shared open green space.



Entitlement Timeline

HRS Chapter 201H Application



DPP = City and County of Honolulu, Department of Planning and Permitting





Mahalo

Agent:
Isaiah Sato, Planner | R.M. Towill Corporation | isaiahs@rmtowill.com | (808) 842-1133

MAKAKILO / KAPOLEI / HONOKAI HALE NEIGHBORHOOD BOARD NO. 34
NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD SUITE 160 • HONOLULU, HI, 96817
PHONE (808) 768-3710 • FAX (808) 768-3711 • WEBSITE: honolulu.gov/nco

DRAFT REGULAR MEETING WRITTEN SUMMARY FOR VIDEO RECORD
WEDNESDAY, DECEMBER 10, 2025 at 7:00 P.M.
KAPOLEI HALE -- CONFERENCE ROOM A & B -- 1000 ULUʻŌHIʻA STREET, KAPOLEI, HI 96707
AND VIA WEBEX TELECONFERENCING

Video recording of this meeting can be found at: https://www.youtube.com/watch?v=uOtQ2-e9NaA

Reports & other meeting materials can be found at:
https://drive.google.com/drive/u/0/folders/1GE3KMhGmxV2jxDLUnSvRUvThmykz8vGn

1. **CALL TO ORDER -- [0:00:01]**: 7:00 p.m.

Vice Chair Michaela Lidstone called the Makakilo/Kapolei/Honokai Hale Neighborhood Board No. 34 meeting to order at 7:00 p.m. Chair Anthony Makana Paris arrived later in the meeting. **Quorum WAS established with 7 members present.** Note: This 9-member Board requires 5 members to establish quorum and to take official Board action.

Members Present: Carol England (online), Kioni Dudley, Moon Kahele, Michaela Lidstone, Sheila Medeiros (online), Tiare Taala (online), and Anthony Makana Paris.

Members Absent: Michael Ferreira

Guests: Captain Edward Lee (Honolulu Fire Department); Deborah Zysman (Mayor Rick Blangiardi's Office - Deputy Director, Office of Economic Revitalization); Kaulana Park (Laulima Hawaii); Gordon Pang (Governor Josh Green's Office); Melanie (Senator Mike Gabbard's Office); Jeannie Timoteo (Councilmember Andria Tupola's Office); D. Wiedeman (Aloha Racing); Leslie Keating, William Albertin, Leticia Hernandez, Ulukoa, Susan Gorman Chang, Anti Breenberg (Residents); Jeffrey Jones (Neighborhood Commission Office). **Note: Name was not included if not legible.**

2. **ROLL CALL – [0:01:10]**: Neighborhood Assistant Jeffrey Jones conducted a roll call to identify all Board Members present.

3. **REPORTS -- [0:01:53]**

Honolulu Fire Department -- [0:01:55]: Captain Edward Lee from the Makakilo Fire Station provided the incident statistics for November 2025 and shared safety tips regarding seasonal decorations.

- November 2025 Statistics: There were 2 structure fires, 2 brush fires, 6 nuisance fires, 27 activated alarms (no fire), 211 medical emergencies, 11 motor vehicle crash collisions, 1 motor vehicle crash collision with a pedestrian involved, 0 mountain rescues, 1 ocean rescue, and 0 hazardous materials incidents.
- Safety Tip:
  - Christmas Trees: Dried Christmas trees, wreaths, and other natural decorations are extremely flammable. Remove them from your home as soon as possible and consider recycling your trees at a participating green waste center in your area.
  - Fireworks: Leave the fireworks to trained fire technician professionals and enjoy the public fireworks displays. Firecrackers are legal, but they require a permit to purchase and use them. You can go to firesafehonolulu.com and follow links for purchase permits.

Honolulu Police Department -- [0:03:43]: No representative present.

Board of Water Supply -- [0:03:50]: No representative present.

Mayor Rick Blangiardi's Representative -- [0:03:58]: Deborah Zysman, Deputy Director of the Office of Economic Revitalization, introduced herself and highlighted the following: Recently graduated classes from Ocean Safety and Emergency Services; Environmental Services held a blessing for the new facility at Hoʻolehua; Environmental Services is in the midst of an educational campaign to inform all residents about the new sewer rates that will go into effect in January; New city law: veterans are now exempt from paying car registration fees; Both Honolulu Hale and Kapolei Hale are decorated for the holidays; Launched a brand new 311 system on December 1 with an app that allows residents to take pictures and upload videos to

report issues; New system citywide for the community to sign up for press releases at honolulu.gov on the mayor's page; and Follow-up on previous issues.

Member Taala joined the meeting at 7:08 p.m.; 8 members present.

Chair Paris joined the meeting at 7:10 p.m.; 9 members present.

Questions, comments and concerns followed -- [0:10:16]

1. Fiji Tribute Event: Kahele thanked the mayor's office for the well-run and organized Fiji tribute event at the Tom Moffatt Waikiki Shell, where he had the opportunity to perform.
2. Dying Trees on Makakilo Drive: Dudley clarified that he never said "dead trees" but "dying trees." He pointed out that there are trees that have lost three-quarters of their leaves on Makakilo Drive. He stated something is wrong with the trees and requested that people go out and find out what's going on.
3. Recent Development Announcement Concerns: England expressed concern about a recent article released about 20 hours ago regarding a new affordable housing project. She noted the board has said no more development and they're on a moratorium because they need resources checked into and infrastructure like schools and hospitals.
4. Multiple Infrastructure Concerns: Medeiros raised six topics: ADA Sidewalk Violations on Makakilo Drive; Speeding and Lack of Crosswalks on Palaheera Road; Crosswalk Signs Without Crosswalks on Makakilo Drive; Illegal Dirt Bike Riding at Royal Ridge/Anuha Subdivision; Makakilo Community Park Pickleball Court.
5. Veterans Vehicle Registration Fee: Bosler clarified that Deborah mentioned registration for veteran vehicles would be free, but the news article said 65 and over.
6. Makakilo Drive Crosswalks History: Ferreira explained that around five years ago when repaving Makakilo Drive, DTS was planning on taking out seven crosswalks because they did a study and determined they weren't being used enough. Instead, they replaced them with "unmarked crosswalks" where drivers are supposed to know they're unmarked crosswalks.
7. School Population: Hernandez shared her concern regarding schools being overpopulated, stating increased development will only prolong the issue.
8. Speeding Concern: Reese suggested making the crosswalks in speed humps yellow to help deter motorists from speeding.
9. Population Preparedness: Celeste asked if the City is ready for increasing the population in the community in regards to sewage and other amenities in the community.

Hawaii Department of Transportation -- [0:32:00]: No representative present.

Office of Hawaiian Affairs -- [0:32:10]: No representative present.

Oʻahu Metropolitan Planning Organization (OMPO) -- [0:32:18]: Board Delegate Frank Genadio provided the report and highlighted the following: There was no November meeting of the Citizen Advisory Committee (CAC); At the December meeting, it was reported that OMPO Executive Director Mark Garretty and two other employees attended a transportation workshop in Portland last month; The policy board will meet on December 15; Each Hawaii County has a master plan for connecting communities with bikeways, sidewalks, transit, and shared roadways; HDOT has 67 projects to be completed by 2030 designed to improve safety, reduce reliance on imported fuel, and promote transit-oriented development; For Oʻahu, $187.2 million is allocated to extend bikeways to 76.43 miles and sidewalks to 132.93 miles; There are 18 busway projects budgeted at $47 million primarily to integrate the bus with Skyline Rail; An example was given of having a bus from Waianae reach Skyline in 10 minutes; Working with DTS, $360 million will be spent on bicycling, pedestrian, and transit projects over the next 10 years; Community comments can be made on the website: hdotmultimodal@hawaii.gov;

Questions, comments and concerns followed -- [0:35:37]

1. Parking and Infrastructure Allocation for District 34: Dr. Bosler noted the impressive numbers for bike paths and walking paths islandwide and asked about allocation for District 34. She noted many developers are talking about lowering parking per condo or house from 1.3 to 1.1 parking stalls per unit and suggesting residents will use bus, Skyline, and bicycles, but the district doesn't have safe bike paths or walkways. Frank Genadio responded that projects can be viewed on the OMPO website under the transportation improvement program showing bikeways and sidewalk projects across the island, some of which are in the district's area.
2. Weather Considerations for Bike Infrastructure: Transportation Chair Ferreira questioned who will use bike infrastructure to commute when it's pouring rain, stating there's been no consideration for inclement weather. He called the spending a boondoggle when there are projects that would benefit the 20,000 people living up Makakilo Drive, which would give buses a route to Skyline.

4. **PRESENTATIONS -- [0:40:39]**

Griffith Livestock, LLC Introduction -- [0:40:42]: Dustin Griffith and wife BobbieJo introduced themselves and their ranch operations on both sides of Makakilo Drive. They shared the following points: They graze the property which benefits the community by keeping fuel load down for fires; They make an effort to graze down by Farrington Highway first, then move up along Makakilo; Last year by the water park, a fire burned about an acre, but because they had grazed the grass down, it kept everything from getting out of control; They requested community help in reporting fence cutting and trespassing; They run about 400 mother cows and about 120 head of sheep.

Questions, comments and concerns followed -- [0:45:04]

1. Problematic Areas for Fence Cutting: Medeiros asked where the problematic areas are where people are cutting the fence line. Griffith responded that the fence line goes from the entrance of Grace Pacific, comes up against the bottom of houses, goes all the way around, and down the whole other side to the water park, clear to Kapolei.
2. Cattle Diet and Grazing Patterns: Dudley asked if cattle eat dead grass. Griffith confirmed that when grass dries out, it works pretty good for them. Dudley noted he hasn't seen cattle up there for a month or longer. Griffith explained they've moved them around and got the water away from the houses so they're grazing other parcels.
3. Fence Cutting Locations and Activities: England asked exactly where they see cuttings on the fence. Griffith said it jumps around quite a bit - sometimes on Farrington Highway by Kapolei, recently on Grace Pacific side about halfway up through the houses. She asked what activities they see when fence is cut. Griffith said it's rare to find people, usually it's trespassing or poaching.
4. Youth Educational Opportunities: Jose asked if they allow young people to come to the ranch to learn. Griffith said they don't have an official program set up, but there are always kids at the place riding horses.
5. Grazing on West Side and Fire Mitigation: A community member asked if they have ranches on the west side like Waianae and about drought concerns and brush fires. They suggested the ranch could help cut down brush fires, referencing a recent brush fire off Kapolei. Griffith confirmed they have ranging on several properties including Kuaokala, Makua, Waipahu, and all of Makakilo.
6. Pigs Running in Neighborhood: William Albertton, a Makakilo resident, reported that over the past summer, about five or six pigs were running around the Kahi'o neighborhood park.

PGB Military Gold Star & Wounded Warrior 5K and Keiki Race -- [0:52:39]: Jose Garcia Aponte, PGB President & Founder and U.S. Army Command Sergeant Major (Ret.), presented plans for a 5K race to benefit the military community. This event is meant to help raise funding to 100% cover expenses for Christmas for local Gold Star families (military widows/widowers); Sponsor 5 Gold Star families to camp from Thursday the 17th to Sunday the 20th, with activities integrating kids with local culture; Cover expenses for protein/meat at the VA clinic in Kapolei (served 1,500 people at Thanksgiving)

- Presentation: https://drive.google.com/file/d/1d7WW41fh8fkKboL7IZUkjtzMEggUHntO/view?usp=drive_link

Questions, comments and concerns followed -- [1:02:58]

1. Partnership with Amvets Pearl Harbor: Ferreira from Amvets Pearl Harbor stated they do a program every year for Gold Star families. He and his auxiliary person would like to get a copy of the presentation and make contact for collaboration. Garcia acknowledged he had heard about their program.
2. Registration Information and Support: Bosler thanked him for bringing the 5K to Kapolei, noting it's good for the military community and everyone including homeless or formerly homeless community for mental health supports. She stated she won't be running this year due to recovery but would love to support next year. She requested he share the price and registration information. Garcia confirmed registration is currently $30, will go no higher than $45, and the race is December 19, 2026.
3. Donation Collection Suggestions: Bosler suggested adding donation boxes for used or gently used running gear (shoes, athletic clothing) like they had in San Antonio races. These could benefit homeless or formerly homeless people needing gear to be active. She thanked him for including the Memorial Mile, which she found very meaningful from her experience at Marine Corps Marathon. She suggested contacting 4-H Military of the Pacific program for resources and support for camps.
4. Acknowledgment of Service: Medeiros thanked him and commended the idea, noting she's a veteran herself. She stated the race memorializes and pays homage to those who paid the ultimate sacrifice, with boots on the sides with dog tags. She commended him because fallen service members should never be forgotten.
5. Youth Challenge Academy Inclusion: A resident suggested including the Youth Challenge Academy housed in Kapolei, run by Hawaii Army National Guard, which provides structure, guidance, and mentorship to at-risk kids. Garcia agreed they would be included.
6. Support from Fellow Veteran: Davis, a resident and fellow veteran who served with Garcia since the early 80s and retiring from civil service December 31st, gave honor to Garcia and his Project Give Back work, noting Garcia has been giving back as long as he can remember in different states and parts of the world.
7. Boots Collection: Garcia emphasized he wants to collect all boots people are going to throw away for the Memorial Mile, stating they will have another row with all boots.

[1:13:33] Ferreira MOVED and England SECONDED to support the PGB Military Gold Star & Wounded Warrior 5K and Keiki Race. Following discussion, a voice vote was conducted and ADOPTED with a vote count of 9-0-0. (Aye: Lidstone, Bosler, Kahele, Ferreira, Dudley, Medeiros, England, Taala, Paris; **Nay:** None; **Abstain:** None) – **[1:18:34]**

Aloha Carbon and Sustainable Materials Recycling and Fertilizer Facility Update -- [1:19:02]: Naomi Kukac, Communications and Community Outreach for Simone Petri Enterprises, provided an update on the new Aloha Carbon project. The Sustainable Materials Recycling and Fertilizer Facility (SMRFF) is located in James Campbell Industrial Park in I-2 heavy industrial zone, far from residences, across from former AES site. The goal is to quadruple the current recycling rate to 60% with the SMRFF project, ultimately decreasing emission.

- Presentation: https://drive.google.com/file/d/1FFeJk-QQs-VjvPUDhHtiy2rh--yyQ60y/view?usp=drive_link

Questions, comments and concerns followed -- [1:31:02]

1. Nitrogen Fertilizer Concerns: Kahele asked if the fertilizer has nitrogen substance and expressed concern that nitrogen fertilizer is more apt to pollute water systems nearby. Kukac explained poultry manure (primary nitrogen source) is already pre-composted on site at places like Gualfarm on concrete pads preventing leaching.
2. Community Benefits: Medeiros asked for an elevator pitch on benefits to the community. Kukac explained: Recycling waste rather than landfilling; Won't burden the grid as much by self-powering part of the time; Lowering greenhouse gas emissions; Helping with other waste forms (poultry manure, invasive species, biodiesel refining waste); Wildfire mitigation through invasive species removal; Can accept green waste contaminated with invasive pests (coconut rhinoceros beetle, little fire ant, Japanese beetle) without worry about proliferation; Located in Campbell Industrial Park so pests won't escape (silica dust everywhere); Increasing fertilizer production within state for local farmers
3. Commendation from Board: Taala commended the company for plugging away at the issue for years, expressed interest in the nitrogen composite database, and called them an excellent case study of how to be a good neighbor - transparent, clear, passionate, tackling issues at root level. She wished more partners in government and private orgs would look to this sort of circular/regenerative economy business model.
4. Project Growth Recognition: Lidstone noted this is incredible to watch over the years. Kukac shared she started as an intern in 2022, didn't think she'd have a job at the end, and now several years later they continue to have community support and have developed more enthusiasm as more people learn what they're doing. Lidstone stated the project offers solution to landfill capacity problem by taking construction/demolition materials and recycling them.
5. Funding Sources and Invasive Koa Haole: Albritton asked about funding sources and whether they can help get rid of invasive koa haole all over Kapolei and the island. Kukac explained they're primarily grant funded - no funds from city, county, or state, just writing proposals and requesting funds from government.
6. Tipping Fees: A community member asked if they charge construction sites to send waste. Kukac confirmed yes, they'll charge a tipping fee for loads brought to the site. There's been discussion about possibly offering discount for pre-source segregated waste.
7. Partnerships and Contaminated Green Waste: Reese asked about partnerships with Hawaiian Earth Products/city convenience centers and whether the city could send green waste to them at no cost. Kukac explained they're not directly partnered with Hawaiian Earth Products but trying to be symbiotic - taking what Hawaiian Earth can't accept (contaminated green waste, anything with small amounts of plastic, invasive pests).

[1:45:24] Dudley MOVED and England SECONDED to write a letter of support for the current Conditional Use Permit for Aloha Carbon's SMRFF Facility. Hearing no discussion, a voice vote was conducted and ADOPTED with a vote count of 9-0-0. (Aye: Lidstone, Bosler, Kahele, Ferreira, Dudley, Medeiros, England, Taala, Paris; **Nay:** None; **Abstain:** None) – **[1:45:53]**

Plus Power Kapolei Energy Storage 2 (KES2) -- [1:46:33]: Jon Yoshimura and his team presented Plus Power's plans to build Kapolei Energy Storage 2 (KES2). This project is set to provide resiliency to the grid, provide construction and electrical jobs, and create a more efficient energy source.

- Presentation: https://drive.google.com/file/d/1Zr1dikI3uHKjs2nq_WhySFNYByYHLiks/view?usp=drive_link

Questions, comments and concerns followed -- [1:58:41]

1. Battery Type: Dudley asked if these are the same kind of battery storage as in KES1. Response: KES1 uses Tesla Megapack 2. Tesla always improving their product. Don't know if they'll use Tesla Megapack 2, but probably will use a battery even better than that because technology continues to develop.
2. Storage Capacity Percentage: Dudley asked what percentage of electricity is stored now and what percentage with KES2. Response: Project is about 185 megawatts total. Of that, 150 megawatts are storage, 35 megawatts are fast frequency response (what sets project apart from other battery storage).
3. Cost and Battery Replacement: Medeiros asked about life of batteries, replacement, and who pays. Response: Batteries obviously degrade, but project is modular. When batteries degrade, they can add more batteries and take away ones no longer operating at 100% capacity.
4. Connection Fee Increases: England noted she has solar but no battery, connected to HECO. It's been 15 years and connection fee going higher and higher. She asked about costs because somebody has to pay for it.

5. Grid Benefits and Savings: Kahele asked how this enhances Hawaiian Electric and where homeowners/consumers get benefit. Response: Project designed to serve several purposes: Keeps grid stable (fewer blackouts, fewer problems for homeowner); If Island wide blackout, takes long time under conventional resources to get back up. With KES, 185 megawatts can be distributed quickly for more efficient grid restoration; Waste millions of dollars of rooftop solar energy going unused during day. Projects like KES will save that electricity. Every watt of renewable energy saved reduces electricity costs to all of us.
6. Battery Recycling After 20 Years: Bosler asked what happens to batteries in 20 years and where they'll be recycled. Response: In 20 years could be on island. If happened today, no - would have to be taken off island.
7. Blackout Prevention Questions: A community member asked about contract if they never have to use it and can it be canceled. Response: They have a 20-year contract. Reason they wouldn't have blackouts is because they had an asset like KES. It's already prevented blackouts (which you didn't experience because they were prevented).
8. Safety Concerns: A community member asked about safety concerns (explosions like Tesla car batteries), fire department preparedness, and electrocution risks. Response: Project monitored 24/7 with cameras. Entirely fenced and secured. Remote place with signs telling people don't go in, it's dangerous. Haven't had problems with people or vandalism. Area very secure.
9. Battery Life and Disposal: Medeiros expressed concern about battery disposal. Quick search showed Tesla batteries normally last about 8 years, can't go to landfill. Response: If have to replace batteries, new batteries come to Hawaii, old batteries go back to mainland. No landfill here would accept batteries.
10. Rate Savings Verification: Chair Paris noted interesting point brought up by Kahele about community benefit. Heard two things: ensure don't experience blackouts, and should help with rates (KES1 from HECO's presentation was 28 cents per ratepayer). While appreciates sentiment, community needs to ask HECO what's going on with rate because HECO's projection was 28 cents. They have better data. Should be privy to data because HECO is public utility.
11. Landscaping and Stormwater: Chair Paris asked about landscaping and particularly storm water drainage area - will it be bio retention using native plants to recycle water or just one swell. Response: Discussed with HFD that everybody wants landscaping, but landscaping is fuel for fire. They actually don't want any landscaping, which is why there's no landscaping on site at KES1.

[2:21:15] Lidstone MOVED and England SECONDED to support the Kapolei Energy Storage 2 (KES2) project. Hearing no discussion, a voice vote was conducted and ADOPTED with a vote count of 9-0-0. (Aye: Lidstone, Bosler, Kahele, Ferreira, Dudley, Medeiros, England, Taala, Paris; **Nay:** None; **Abstain:** None) – **[2:21:21]**

Kapolei Parkway Lots 2-5 Development -- [2:22:14]: Isaiah Sato from RM Towel Corporation presented as agent for the Kobayashi Group and Āhē Group developers. This project is set to be approximately 800 affordable rental housing units ranging from 30%-60% Area Median Income (AMI). The current status is in the "pre-application" phase and will eventually go through City Council Committees and full Council before a final decision is made in the second quarter of 2026.

- Presentation: https://drive.google.com/file/d/1MffXvHSaMXjG5CpmnP4Ii26Ky8PMbBsL/view?usp=drive_link

Questions, comments and concerns followed -- [2:29:57]

1. Timeline Clarification: Lidstone asked about timeline showing "neighborhood board meeting quarter 1 of 2025" when this is their first time to the board. Sato confirmed it was a typo, should have said Q4 2025.
2. Strong Opposition: Dudley stated he's strongly opposed to the project. He expressed concern that while Kapolei City needs to be developed so people have somewhere to go, "we can't really just keep building, building, building. We got to realize we're killing ourselves." He hopes the board takes a very strong stand.
3. Parking and Hurricane Preparedness: Bosler asked:
    - Parking: With 1,025 parking stalls for 750-800 units, that's getting close to 1 stall per family when realistically most are two-car households. One and two-bedroom units have 1 stall, three and four-bedroom units have 2 stalls. Concerned about where excess cars will go.
    - Hurricane Plans: What is hurricane plans for structure and windows? What wind speeds can they withstand? Do they have community safe room where 800 families can go during major hurricane or tsunami? Response: Not in tsunami evacuation zone (quite far from ocean). Hurricane refuge areas designated by city emergency management are schools (Barber's Point Elementary and Kapolei High School).
4. Building Code Concerns: Paris noted that's the largest issue because the two designated evacuation sites aren't rated for category 1, so people can go but take their chances. Entire district doesn't actually have category 2 or higher rated evacuation shelter. If building high density and everyone goes on road to place as bad as their house, rather make the house better. Asked what standard construction is being created regarding categories for hurricanes.
5. Elevator vs. Walk-ups: Ferreira asked if these are four-story walk-ups since he didn't see elevator towers. Sato confirmed they are walk-ups, 3-4 stories (4 being tallest). In parking structures, they'll have connections directly to floors with bridges right to unit door (like Parkway Village with 2-story parking). Where possible, try to have vehicular parking right to door, but it is four-story walk-up.
6. Concrete Construction: Dudley noted that in preparation for hurricane meeting that didn't take place, they found you can build with concrete as cheaply as with wood. Asked if they've looked into building with concrete, mentioning ICF

(insulated concrete forms) that can build house in practically no time very cheaply. Sato said he's not familiar but will take back to team.

7. Need for Development Criteria Review: Chair Paris apologized, noting they communicated to Kobayashi Group about the 17 articles/development criteria community identified that they wanted presentation to address. All concerns are same stuff heard repeatedly. They have list in resolution form (17 items from naming conventions to disaster preparedness to keiki/kupuna areas). Don't need to meet all things on list, but anything to improve design showing they're working with community to make better would be super awesome.
8. Mayor's Office vs. Developer: England clarified her earlier remark was directed to mayor's office about announcement, not to developer. She was disturbed by how mayor pushed it off. Nothing against developer.
9. Mehana Resident Safety Concerns: A Mehana resident expressed support for affordable housing but noted problems with Parkway Village: Cars on highway with hazards leaving (breaking down); Security concerns; People jumping fence to recreation area (homeowners pay into HOA); Extra costs to maintain because of trespassers; Cars stopping on Kapolei Parkway with hazards (major thoroughfare); Parking issues putting bad name on project
10. Lack of Green Space: A resident noted original city plans had plenty of green spaces and walkways, but this project has none - just concrete. Mehana has beautiful grassy areas, parks, walkways. This is nothing but concrete parking lot and buildings. Also raised concerns about traffic on parkway (can't even cross street to walk to library anymore - dangerous with no stoplight). Mentioned school overcrowding - not enough schools for children they have, now talking about hundreds more kids.
11. Mehana Vice President Infrastructure and Behavior Issues: Kelly, Vice President for Mehana (President also present), stated many problems aren't in developer's court but in city/county court. Issues from Nanala (first block of first development that opened):
12. Ongoing Concern Acknowledgment: Paris acknowledged concerns last community members shared - board's been hearing for four years that community issues aren't because of new development but how developments before were made without appropriate community input and not maximizing quality of life. What she shared is appropriate for forum to provide feedback to each other, elected officials, and decision makers.
13. Vice Chair Validation: Lidstone agreed everything neighbor said is right on - Parkway Village is dangerous. People putting chairs on sidewalk blocking it because can't smoke in area, so kupuna and keiki have to walk on street where they'll get hit. Animal cruelty major issue. People stopping on Kapolei Parkway with hazards for long periods (major thoroughfare).
14. Low-Income Housing Correlation Question: England asked community member if Parkway Village is low-income housing like this one and if that's why people aren't listening to rules. Community member confirmed yes, it is low income. Not to stereotype, but that's the only answer.

Amazon Kapolei Fulfillment Center Project -- [3:00:43]: Staff from Amazon and their partners provided a PowerPoint presentation regarding the proposed Kapolei Fulfillment Center project. The fulfillment center, set to be in Campbell Industrial Park, is set to assist in receiving and storing products from vendors, packing and shipping orders, and utilizing Amazon robotics technology. The team shared a priority for potential jobs will be given to residents living on the west side.

- Presentation: https://drive.google.com/file/d/1PjahkQobpkpGfjoYO7ar6b-i1HUq08Ye/view?usp=drive_link

Questions, comments and concerns followed -- [3:23:09]

1. Small Business Concerns: Dudley expressed strong concern about how many small businesses will be driven out of business, stating "this fantastic thing is just going to kill so many family businesses." He stated he can't support it and is strongly opposed.
2. Support for Job Creation: Ferreira stated support because they need jobs in Kapolei area. Everybody has to commute to town. He commutes from Makakilo to capitol every day, would love job out here to stay in community. This looks like opportunity. When presented in New York, they pooh-poohed it - that was 1,000 jobs local people could have had, good-paying jobs. Not just building housing in bedroom community where everyone commutes out. Everywhere he's seen these places has been prosperity surrounding it. Only other thing would be Gigafactory for Tesla (would put icing on cake, but he digresses).
3. Local Hiring Emphasis: Williams noted they're focused on hiring as many local people from west side as possible. Obviously can't be 100% from this side, but partnering with Kapolei Chamber of Commerce, Waianae Economic Development Council. Sand Island facility being operated and managed by another Poli girl. Amazon really committed. To Dr. Dudley's point, there are also workforce development programs and opportunities to partner with local businesses. All things currently working on, will continue to share as move forward.
4. Concerns About Corporate Power and Sustainability: Taala thanked the various parties involved; shared concerns regarding community sustainability; potential project risks; her opposition to the project.
5. Schools and Transportation: Kahele kept it short - please consider building schools sponsored by Amazon (daycare centers, elementary, middle, high school somewhere near location). Also, traffic problems - can probably bus workers in from west side or wherever depending on shift. "Schools, we need schools. You hear all these building - build a school, call it Amazon or something, Amazon.com - it's funny but we need it."
6. Appreciation for Early Engagement: England stated she's thrilled Amazon came to board first before major announcement on news. Shows they care about community and taking right steps. Thanked them.

7. Investment in Local Sustainability: Lidstone thanked, stating just has suggestion/request. Co-supports everything Taala said. Also knows Amazon has decarbonization goals and has invested in renewable energy and fuel. Hopes they will invest in Aloha Carbon.
8. Railway Aesthetics and Water Concerns: Keating expressed concern about: Proximity to railway; Water scarcity; Wages and Subcontractors; Union support.
9. Small Business Support: Ferreira noted reason for support is a lot of stuff Amazon sells is from people who sent into fulfillment centers. For him, could never do that because sending to mainland (shipping prohibitive). Having it on island, local people with businesses can sell products on Amazon, people order and get locally. Asked if that's correct. Stephen Williams confirmed correct - about 60% of everything bought on Amazon is made by small business. Not from Walmart but from small business somewhere in US that decided to follow passion and make product themselves, now can sell on Amazon.
10. Opposition to Amazon: Albertton stated he's opposed to development and opposed to Amazon period. Used to order until saw documentaries about negative aspects. Read from AI lookup: significant environmental damage (emissions, plastic waste), poor labor conditions (high injury rates, surveillance), harm to small businesses/local economies, anti-competitive practices (copying sellers), data privacy concerns, tax avoidance.

- Landscaping with native plants: Not just naming common ones like naupaka, pōhinahina. Board of Water Supply has list of like 25 native plant species for this area. Hopes Amazon respects this and goes with locally sourced landscaper who knows what they're doing to help native plants.

5. **PUBLIC INPUT:** Postponed due to lack of time.

6. **BOARD BUSINESS:** Postponed due to lack of time.

7. **BOARD ANNOUNCEMENTS:**
Next Scheduled Meeting: The next meeting for the Makakilo/Kapolei/Honokai Hale Neighborhood Board No. 34 is scheduled for January 28, 2025, at 7:00 p.m. at Kapolei Hale – Conference Room A & B and online via Webex (https://www8.honolulu.gov/nco/nb34/).

8. ADJOURNMENT -- [3:38:36]: The meeting was adjourned at approximately 10:38 p.m.

Submitted by: Jeffrey Jones, Neighborhood Assistant, NCO
Reviewed by: Dylan Buck, Community Relations Specialist, NCO
Finalized by: [To be completed]

MAKAKILO / KAPOLEI / HONOKAI HALE NEIGHBORHOOD BOARD NO. 34
NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD SUITE 160 • HONOLULU, HI, 96817
PHONE (808) 768-3710 • FAX (808) 768-3711 • WEBSITE: honolulu.gov/nco

DRAFT REGULAR MEETING WRITTEN SUMMARY FOR VIDEO RECORD
WEDNESDAY, FEBRUARY 25, 2026 at 7:00 P.M.
KAPOLEI HALE -- CONFERENCE ROOM A & B -- 1000 ULU'ŌHI'A STREET, KAPOLEI, HI 96707
AND VIA WEBEX TELECONFERENCING

Video recording of this meeting can be found at: https://www.youtube.com/watch?v=dO_QfQkUwxg

Reports & other meeting materials can be found at:
https://drive.google.com/drive/u/0/folders/1GE3KMhGmxV2jxDLUnSvRUvThmykz8vGn

1. **CALL TO ORDER -- [0:00:07]**: 7:00 p.m.

Chair Anthony Makana Paris called the Makakilo/Kapolei/Honokai Hale Neighborhood Board No. 34 meeting to order at 7:00 p.m. Chair Anthony Makana Paris arrived later in the meeting. **Quorum WAS established with 8 members present.** Note: This 9-member Board requires 5 members to establish quorum and to take official Board action.

Members Present: Kioni Dudley, Moon Kahele, Mikiala Lidstone (Arrived 7:38 p.m.), Sheila Medeiros, Tiare Taala, Michael Ferreira, Amy Bosler and Anthony Makana Paris.

Members Absent: Carol England.

Guests: Captain Sean Yoshimura (Honolulu Fire Department); Sergeant Fumi Moroka, Corporal Roland Pagan, Lieutenant David Caralia, Captain Carrera, Lieutenant Tamara Torres, Traffic Major Beria, Assistant Chief Brandon Nakasato (Honolulu Police Department); Nicole Rodwell (Board of Water Supply); Deborah Zysman, Deputy Director, Office of Economic Revitalization (Mayor Rick Blangiardi's Office); Heather McMillen, Ph.D. (Urban & Community Forester, Mayor's Arborist Advisory Committee); Josh Nagashima and Dr. Roger Babcock (Department of Environmental Services); Mike Plowman ('Ewa Neighborhood Board Military Affairs Chair); Katie Kaanapu (Kapolei Commons); Frank Genadio (OMPO Board Delegate); Melanie June (Senator Mike Gabbard's Office); Hunter Harris (Representative Diamond Garcia's Office); Kika Tepenny (Councilmember Andria Tupola's Office); Representative David Alcos; Leslie Keating, Mike (Residents); Jeffrey Jones (Neighborhood Commission Office). **There were 67 total participants**. Name not included if not legible on sign-in sheet, not signed in and/or not participated in discussion.

2. **ROLL CALL – [0:02:12]:** Neighborhood Board Assistant Jeffrey Jones conducted a roll call to identify all Board Members present.

3. **REPORTS – [0:03:04]**

Honolulu Fire Department – [0:03:06]: Captain Sean Yoshimura from Tower 40, representing Stations 43, 35, and 40 (Kapolei High East and West, and Makakilo), provided the following reports:

- Follow-Up from Previous Meeting: Captain Yoshimura addressed the question posed last month regarding fire-related incidents on New Year's Eve and New Year's Day. According to HFD statistics, there were no fire-related incidents in Neighborhood Board No. 34 on December 31, 2025 or January 1, 2026; Addressed HFD's plan to keep Makakilo residents safe from fire emergencies; Addressed of there is enough water to stop a wildfire from spreading.
- January 2026 Incident Statistics: 2 structure fires, 8 nuisance fires (rubbish fires outside a structure/vehicle), 18 activated alarms, 205 medical emergencies, 6 motor vehicle crash/collisions.
- Reporting System Change: Beginning January 1, 2026, HFD is transitioning from the legacy National Fire Incident Reporting System (NFIRS) to the modern National Emergency Response Information System (NERIS). The two systems are coded and classified differently, so fluctuations in certain incident categories may occur. One category currently unavailable due to coding changes is motor vehicle collision with a pedestrian; HFD is working to resolve this.
- Safety Tip – Calling 911: Honolulu Fire Department reminds the public to call 911 first in any emergency. Do not drive to the nearest fire station, as a fire company may not be at the station. When calling 911, give the operator your initial need (police, fire, or EMS). HFD can also field 911 text messages for those without good voice reception.

- Report: https://drive.google.com/file/d/142ktYMT01IsbY_C_aWUCy-dxZqUyqW9v/view?usp=drive_link

Lidstone joined the meeting at 7:38 p.m.; 8 members present.

Questions, comments, and concerns followed – [0:06:55]

1. Concrete Houses and Senate Bill 2884: Dudley commented that the board has strongly supported Senate Bill 2884, which gives builders of concrete houses (far more fire-resistant) a 50% tax break on the money they bring in when selling the house.

Lidstone joined the meeting at 7:38 p.m.; 8 members present.

2. Firewise USA Program: Medeiros commented that she had never heard of the Firewise USA program before and asked how long it had been in effect. Captain Logan Tomotio, representative of the Wildland Urban Interface Group, responded that the program began around 1995. The board expressed interest in exploring implementation in the community.

Honolulu Police Department – [0:10:51]: Sergeant Fumi Moroka with HPD Community Policing Team, District 8, was joined by Corporal Roland Pagan, Lieutenant David Caralia, Captain Carrera, Lieutenant Tamara Torres (Traffic), Traffic Major Beria, and Assistant Chief Brandon Nakasato.

- January 2026 Crime Statistics: 27 motor vehicle thefts district-wide (5 in Kapolei area); 12 burglaries district-wide (3 in Kapolei area); 113 thefts district-wide (42 in Kapolei area); 24 car break-ins district-wide (8 in Kapolei area); 70 speeding citations issued; 655 moving violations; 102 parking violations; total citations 1,231; total calls for service 8,450 district-wide (2,732 in Kapolei area).
- Follow-Ups from Previous Meeting: HPD noted they were asked to track citations by specific location but do not track them that way – citations are tracked by date, violation type, and beat. HPD confirmed the speed trailer is back in service and will be rotated to Makakilo Drive as previously requested.
- Assistant Chief Brandon Nakasato Presentation – 2025 Traffic Fatality Analysis: Due to the high number of traffic fatalities in 2025, HPD's analyst unit broke down the data by area, contributing factors, and age groups. Key findings: most incidents involved motorcycles/mopeds and pedestrians; the trend peaked during evening hours from 5:00–11:00 p.m.; the leading contributing factors were speed, no helmet, not using a crosswalk (pedestrians), and no seatbelt; the highest frequency age group was 19–25. HPD is requesting a grassroots community effort to spread safety messages: buckle up, leave earlier, motorcyclists don't split lanes, wear helmets. HPD is open to community suggestions to reduce fatalities.

Questions, comments, and concerns followed – [0:18:00]

1. Speed Limit Reduction and Public Awareness: Kahele acknowledged HPD's difficult work and suggested reducing the speed limit along the corridor between Target and Fort Shafter (near Kamehameha Schools) from 60 mph to 55 mph as a deterrent. He also suggested using local radio stations and social media (including Skyline) to regularly remind residents to buckle up, noting that safety education starts at home.
2. Crosswalk Statistics and Jaywalking Clarification: Bosler referenced HPD's statistics showing 17% of fatalities on the island involve lack of crosswalks – a major issue on Makakilo Drive. She also asked HPD to confirm whether pedestrians can legally cross Makakilo Drive in unmarked areas, as a representative at the previous meeting suggested this was permitted. Captain Torres clarified that pedestrians are permitted to cross from corner to corner at intersections even without marked crosswalks, but must be aware that vehicles may not see them, especially at night. HPD and community members are encouraged to reach out to DTS to request crosswalk installations.
3. Transportation Committee – Speed Radar Trailers and Crosswalks: Ferreira noted he used to work with speed radar trailers and Volunteer Police Services in the Bay Area. He stated DTS previously removed crosswalks from Makakilo Drive after off-hours surveys showed insufficient use. He advocated for obtaining 4–5 new radar trailers that broadcast traffic data to the cloud, which could help HPD allocate enforcement resources. He is working on pricing and seeking funding through fraternal organizations and other sources.
4. Community Outreach Support: Medeiros thanked HPD for their work and offered to help spread their safety messaging through the Neighborhood Board's Facebook page and social media. She suggested HPD reach out to subdivisions and Villages of Kapolei to spread the safety message at the grassroots level.
5. HPD Staffing and Recruitment: Kahele noted that last Fall HPD had a graduating class and a recruit class graduated this spring, with staffing numbers slowly improving. The board thanked HPD for going the extra mile to cover short-staffed districts.
6. Helmet Law and School Safety: Keating expressed support for a stronger helmet law, noting California's effective law. She suggested school resource officers distribute reminder cards to students not wearing helmets. She also

raised concerns about toddlers unsecured in vehicles at school drop-off lines. Additionally, she raised concern about pepper spray being deployed at Kapolei Middle School the previous day during a fight where one girl was attacked by a group. Corporal Pagan explained that pepper spray is the lowest level of force and was used because the officer was outnumbered. He noted there are no known long-term effects from pepper spray.

7. Campbell Industrial Area Traffic: Reis raised concern about dangerous speeding on the freeway near Campbell Industrial during early morning rush hour (4:30–5:00 a.m.) and asked HPD to station officers in blind spots and use speed guns to catch speeders.

Board of Water Supply – [0:36:43]: Nicole Rodwell with the Board of Water Supply provided the following report:

- Announcements: No water main breaks in the Makakilo/Kapolei/Honokai Hale area in January 2026.
- 2026 Poster and Poetry Contests: Theme is "Everyday Conservation." Open to K–6 (posters) and grades 7–12 (poetry), including homeschool students. Deadline is in a few days. Visit boardofwatersupply.com/wcw-contests for more information.
- World Water Day – March 22, 2026: Annual UN observance to raise awareness about the 2+ billion people without access to safe water. More information available on BWS website and the United Nations website.
- Follow-Up on Wildfire/Water Question: BWS clarified that no city has a fire hydrant system designed to fight large wildfires – it is not feasible to design a system that could fight a wildfire of the scale seen in Lahaina or LA and still be affordable and practical for everyday use. BWS regularly maintains and tests the fire hydrant system. Residents are encouraged to call 911 (non-emergency) or use the HNL 311 app to report concerns about fire hydrants or vehicles parked in front of hydrants.

Questions, comments, and concerns followed – [0:41:05]

1. Poster Contest Notice: Bosler requested more advance notice for the poster and poetry contest to allow the active homeschool community on Oahu to participate. Rodwell acknowledged the concern and committed to working with the communications team to do a stronger advertising push.
2. Water Infrastructure and Growth: Medeiros asked how BWS tracks water capacity to ensure it can sustain all the new development coming to Kapolei, including Kalaeloa, given that residents are already receiving notices to limit water use. She asked about desalination options. Rodwell confirmed BWS is working on a Kalaeloa desalination facility but hitting some red tape, and committed to providing a more detailed answer.
3. Opposition to Desalination: Dudley stated that he strongly objects to desalination because it removes a natural limit on development. He argued that natural water availability is a necessary constraint on the number of homes that can be built, and that desalination would eliminate that safeguard.

Mayor Rick Blangiardi's Representative – [0:45:16]: Deputy Director Deborah Zysman of the Office of Economic Revitalization appeared online and provided follow-up responses to questions from the January meeting:

- HNL 311 System: Reiterated the launch of the new Honolulu 311 system (app for Apple/Android and HNL311.com) allowing residents to report issues with photos directly to the appropriate city department.
- Pickleball Striping at Makakilo Community Park: The Department of Parks and Recreation confirmed that permanent dual striping will not be permitted on the tennis court at Makakilo Community Park due to safety, equity, and conflict concerns (incidents requiring HPD intervention, permit disputes, player exclusion). Residents will not be allowed to paint permanent lines themselves. Temporary tape markings remain permitted. BWS noted Makakilo Community Park has two lined courts on the volleyball courts available for pickleball, and approximately 15 other parks in the Leeward Oahu district offer pickleball.
- Makakilo Drive – Sidewalk and ADA Compliance: DDC (Dept. of Design and Construction) investigated the sidewalk and light poles. Plans are being developed to widen the sidewalk at the identified locations. They are consulting with the State Dept. of Health Disability and Communication Access Board on ADA compliance. Full ADA compliance is not feasible due to the steep grade of Makakilo Drive; however, DDC will coordinate with DFM (Dept. of Facilities Management) to construct the widening upon plan completion and access board approval.\
- Makakilo Drive – Traffic Calming: Speed humps are not appropriate due to the vertical grade. DTS implemented lane narrowing between Alalai and Alahoi Streets with a shoulder parking lane and new raised pavement markers. DTS has a project in design phase for a "road diet" (reducing the number of lanes), which will be shared with the community for input once conceptual plans are finalized.
- Makakilo Drive – Speed Trailer: The speed trailer has been repaired and will be rotated to different locations including Makakilo Drive. Community input on specific placement locations is welcome.
- Makakilo Drive Extension: No federal, state, or city funding has been identified. The city is monitoring future federal funding opportunities but has no current plans or funding commitments beyond existing conceptual planning.

- Emergency Access Road: The Department of Emergency Management is working with Grace Pacific and other landowners to explore development of an emergency access road available during emergency situations, independent of the Makakilo Drive extension.
- Skyline Stations and Park & Ride: DTS confirmed the park and ride system will continue expanding during Segment 3. The Musubi lot near Kapolei Parkway is slated for future permanent Kapolei Transit Center development and is not planned as an interim park and ride. DTS has no current plans to install live cameras for viewing lot availability but is launching parking utilization studies. Park and ride use is limited to 24 hours; HPD will assist with abandoned vehicle removal. Solar canopies are being explored for city-owned park and ride lots.
- Traffic Congestion at Kapolei/Kalaeloa: DTS observed significant traffic increases during December/January holiday season in the Kapolei Parkway/Kalaeloa Boulevard area. Signal timing was adjusted to keep traffic flowing and will continue to be monitored.
- Driver's Licenses/Temporary ID Cards: State law requires surrender of all valid licenses upon renewal and only one license may be held at a time. Federal law also prohibits holding more than one real ID. Real ID security features make on-the-spot issuance impractical; DSD expects to have tracking and expedited delivery in the future.
- Pending Follow-Ups: Status of Makakilo Bluffs (awaiting response from DPP); utility box painting and beautification (awaiting response from responsible department).

Questions, comments, and concerns followed – [1:02:00]

1. Road Diet Concerns: Bosler expressed strong concern about reducing the number of lanes on Makakilo Drive, noting that the extension is not funded, that there is already significant traffic congestion, and that there are no emergency egress routes. Reducing lanes in an area with no alternative exits could be dangerous in an emergency.
2. Road Diet – Community-Led Speed Reduction: Dudley agreed 100% with concerns about the road diet and cited the community's successful informal effort to get roughly one-third of cars traveling at 28 mph across the top of Makakilo. He asked whether the exceptional tree presentation was connected to concerns about dying trees.
3. Makakilo Drive Extension – Environmental Assessment Release: Ferreira stated that the community had met with the mayor, DTS, and Mike Formby and were promised the environmental assessment would be released to pursue local and state funding (since it cannot be released for federal funding unless the project is on the TIP). That commitment was made over a year ago by Roger Morton and his environmental person, and the EA has still not been released. He requested Zysman ask the mayor to direct DTS to release the EA.
4. Pickleball and ADA Timeline: Medeiros challenged the city's position that adding a line to a tennis court would exacerbate conflict, asking if there is a police report documenting such conflicts. She also demanded a specific timeline for the ADA sidewalk improvements, noting the community deserves accountability and not just assurances that work is "in process." She asked about HB 1908 and HB 1910 (Makakilo Drive extension bills) and asked Rep. Souza's office what mobilization was done, as only 11 testimonies were submitted for HB 1908 and 5 total for HB 1910.
5. Skyline Usage: Board member Ferreira noted the Skyline light rail is being used extensively by community members to ride to the airport and expressed appreciation for the Skyline staff and crew.
6. Kapolei Regional Park Intersection/Lighting: Reis raised two concerns: (1) the shut intersection near Haley Gas Station across from Kapolei Regional Park, which has become a site for homeless activity and creates unnecessary traffic congestion near the 7-Eleven and old Consolidated Theater; and (2) overgrown trees along the Kapolei highway between the golf course and Walmart that are blocking street lights and making the bike lane unsafe at night.
7. Makakilo Drive Extension Environmental Assessment Validity: Medeiros asked whether the 2009 environmental assessment for the Makakilo Drive extension is still valid given the drastic change in population composition over 17 years. Zysman confirmed the EA was completed in February 2009 and committed to following up on whether a newer one exists.
8. Road Diet Alternatives and Public-Private Partnership: Chair Paris suggested the city consider the cost of restriping sidewalks and reinstalling the speed radar as alternatives or complements to the road diet, noting that visible crosswalks and speed infrastructure have psychological traffic-calming effects. He also asked Zysman to inquire whether the city could enter a public-private or public-public partnership (e.g., with DOE for a vertical school) at the East Kapolei Station or proposed West Kapolei Station.

Hawaii Department of Transportation – [1:21:40]: No representative present.

Office of Hawaiian Affairs – [1:21:42]: No representative present.

O'ahu Metropolitan Planning Organization (OMPO) – [1:21:51]: Board Delegate Frank Genadio provided the following report on the February meeting of OMPO's Citizen Advisory Committee (CAC):

- CAC Report: OMPO Executive Director Mark Garretti reported 150 attendees at the transportation forum, which will support future planning and legislative action. The Policy Board elected City Council Member Val Okamoto as its new chair and Representative Darius Kella as vice chair (they swapped jobs). Dallas Egay of OMPO again briefed on the O'ahu Regional Transportation Plan (ORTP) for 2050, which will guide projects included in the Transportation Improvement Program (TIP). OMPO is working on the final ORTP and has published public comments on the website.
- Makakilo Drive Completion – DTS Response: In response to Genadio's complaint about the removal of the Makakilo Drive completion project, OMPO's Egay implied the project will be back. The DTS Director's comment on the site stated: "DTS is currently procuring consultant services to complete a Planning and Environmental Linkages (PEL) report for the project. The PEL process will allow us to assess the current environmental and community impacts of any proposed action and determine the feasibility of the project. If the project is deemed feasible, including from a cost-benefit perspective, DTS will request the project be added to the TIP and the PEL report will assist in updating the project's environmental assessment."

Questions, comments, and concerns followed – [1:25:09]

1. EA Validity and Funding: Medeiros asked whether the 2009 environmental assessment is still valid given 17 years of population change. Genadio responded that nothing has changed on the 4,000 linear feet area itself, so he considers the report still valid. He noted that the mayor and his director Mike Formsby committed that city money would be available for the EA. He stated the project has essentially no negative impact and that it is simply a matter of political will and funding priorities.
2. Timeline for PEL Assessment: Bosler asked if a timeline was given for the latest Makakilo Drive PEL assessment. Genadio confirmed no timeline was provided.

4. PRESENTATIONS – [1:28:05]

Exceptional Tree Program – [1:28:11]: Dr. Heather McMillen, State Urban and Community Forester (DLNR) and member of the Mayor's Arborist Advisory Committee, presented on the Exceptional Tree Program and related resources:

- State Urban and Community Forestry Program (Kaulunani): DLNR administers a small grant program to help communities plant and maintain trees, supports the Arbor Day Foundation Tree City program, operates the Community Coconut Program (revitalizing coconut culture), and the Shade Trees for Schools program. Grants close March 1, 2026 (current cycle).
- Exceptional Tree Program: Run by the City and County of Honolulu through the Division of Urban Forestry and administered by the Mayor's Arborist Advisory Committee. Established in 1975 to protect trees from improper pruning and removal. Property owners with exceptional trees are eligible for a $3,000 tax deduction (committee is advocating for this to be updated from the 1975 amount). Over 1,400 exceptional trees and groves are currently designated. Trees can be nominated based on historic or cultural value, rarity, age, size, or location. Once nominated, trees are protected regardless of change in property ownership.
- Tree Canopy Data: The neighborhood board's meeting location has approximately 7% tree canopy coverage; other areas in the district are at 23% or under. Research shows 30% tree canopy is the minimum needed to realize the full benefits of tree coverage. Urban areas with less canopy are hotter, ranking high on the Urban Heat Severity Index. Extreme heat is the deadliest climate risk, claiming more lives annually than floods, hurricanes, earthquakes, and wildfires combined. There are currently no exceptional trees designated in Neighborhood Board 34's district; Dr. McMillen encouraged nominations.

Questions, comments, and concerns followed – [1:39:57]

1. Grant Program for Crown Flower/Butterfly Garden: Ferreira asked if the grant program could support planting white crown flower trees, which are food sources for butterfly caterpillars. McMillen confirmed crown flower is considered a tree and expressed interest in discussing this, inviting Ferreira to email her.
2. Dying Trees on West Side and Exceptional Tree Nominations: Lidstone noted that the likely reason there are no exceptional trees on the map in the district is because they have all died – including historic coconut trees lost to Coconut Rhinoceros Beetle (CRB). She suggested the more pressing need for this community is resources on maintaining existing trees, not necessarily nominating new exceptional trees. McMillen acknowledged the struggle with drought and invasive species and noted a bill in the legislature proposes expanding the exceptional tree program with more DLNR support and recognition for "up and coming" exceptional trees.
3. Advising Developers on Tree Planting: Taala asked whether McMillen's advisory committee advises developers on meaningful tree planting. McMillen explained the committee's purview is narrowly defined to the exceptional tree program, but noted that development requirements do mandate trees in plans. However, developers

sometimes remove planned trees once utilities are installed, and pay fines instead. She emphasized that trees are critical infrastructure, not optional beautification, and should be treated as such at the policy level.

4. Community Event Request: Bossler asked whether McMillen's program could bring a community event to the west side (similar to the Board of Water Supply's "Day Without Water" event) to educate residents about the 7% canopy coverage and the 30% goal. McMillen noted Malama Learning Center is an active community partner on the west side and encouraged the board to reach out. She also offered to speak at events.
5. Dying Trees on Makakilo – Urgent Concern: Dudley showed photographs of dying trees on Makakilo Drive, expressing deep frustration that the board has been raising this for six months with no answers. He described seeing entire valleys where every single tree is dead, representing potentially millions or billions of dollars in tree loss. He challenged McMillen to explain what is happening. McMillen said based on the photos she could not diagnose the issue remotely, but noted the principles of "right tree, right place, right care" – species selection, adequate soil volume, and proper care. She noted hot dry seasons are a contributing factor and directed specific street tree concerns to the City and County's Division of Urban Forestry.
6. Getting More Trees Through Donations/Grants: Medeiros asked how the community can get more trees planted in the Kapolei flats through donations or grants. McMillen explained that once roads are turned over to the county, residents can request the Division of Urban Forestry plant a tree in the right-of-way in front of their home at no charge (with watering responsibility). She also encouraged communities to apply for DLNR's grant program (next cycle) for parks, schools, and community spaces.
7. Coordination with Parks for Tree Grants: Bosler asked whether tree grant applications require coordination with Parks & Recreation for public parks. McMillen confirmed that city/county parks require coordination with Parks & Rec, but community spaces outside municipal management can potentially qualify directly for the DLNR grant program.

2024/PIM-2 Modification – 'Ewa Public Infrastructure Map (PIM) – Solid Waste Management Campus Update – [2:01:21]: Josh Nagashima, Chief of the Refuse Division, Department of Environmental Services (ENV), City and County of Honolulu, presented on behalf of Ahmad Sadri. ENV Director Dr. Roger Babcock was also present.

- PIM Modification Overview: ENV seeks to expand the solid waste tag on the Public Infrastructure Map to the neighboring property (formerly occupied by the AES coal-burning facility) adjacent to the H-Power facility in Campbell Industrial, using city funds to build an ENV Solid Waste Management Campus.
- Previous Outreach and Conditional Support: ENV prepared a PIM modification report in November 2024 and received a letter of conditional support from this neighborhood board. Conditions included: collaborating with Aloha Carbon (confirmed partnership since January 2021); engaging the neighborhood board (accomplished through this presentation); and implementing a host compensation package (ENV is considering this).
- Waste Stream Overview: ENV's waste management hierarchy includes reduce, reuse, source separation, materials recovery (recyclables), waste-to-energy (H-Power, generating ~10% of the island's electricity), and landfill for inerts. H-Power receives ~2,000 tons of waste per day. PVT Landfill processes ~563 tons/day of construction and demolition (C&D) debris and will close within ~5 years. About 400 tons/day of ash from H-Power must go to landfill.
- Proposed Campus Goals: Reduce waste to landfill; improve traffic flow; implement advanced Materials Recovery Facility (MRF) for C&D materials; explore new technologies (pyrolysis, gasification, plasma arc); recover metals from ash; build an education center. Aloha Carbon uses advanced technology to convert C&D debris to fuel, and ENV is exploring this and other advanced technologies.
- Food Waste Program: ENV is conducting a pilot test for food waste collection in the green cart starting in April 2026, expected to expand island-wide in October 2026.
- Presentation: https://drive.google.com/file/d/1js1VPY4I326Q2uOeVtjmXnX15QnvHYkW/view?usp=drive_link

Questions, comments, and concerns followed – [2:18:49]

1. Circular Economy and Policy Alignment: Taala asked what policies are missing to reduce waste flows and whether ENV works with a policy lens. Nagashima acknowledged ENV handles the backside of waste management but is working to be in tune with policies such as extended producer responsibility, packaging reduction, and take-back programs. ENV confirmed they have liaisons working with the policy side.
2. HOA Recycling Issues: Keating expressed frustration that private garbage collectors serving HOAs claim to separate recycling but throw everything in the same truck. She also raised the issue of HOA residents paying for their own garbage while single-family homeowners receive city collection free. Nagashima noted ENV reopened its front loader service for multifamily residents who can join the waitlist.
3. H-Power Prioritization Concern: Reis asked why H-Power sometimes rejects city/county waste while accepting private company waste first. Nagashima explained that private companies pay a tip fee to use H-Power, generating revenue for the city, and that H-Power priority is managed to maximize waste diversion from landfill.

[2:29:44] Chair Paris called for a voice vote, the motion was ADOPTED with a vote count of 8-0-0 (Aye: Lidstone, Ferreira, Medeiros, Kahele, Dudley, Bossler, Taala, Paris; Nay: Npne; Abstain: None) – [2:30:10]

Hawai'i Airspace Modernization Project – [2:31:07]: Mike Plowman, 'Ewa Neighborhood Board Military Affairs Chair and former Navy pilot, presented on the Hawaii Airspace Modernization Project:

- Background: Congress appropriated $13.5 billion (approximately 13 times the usual annual budget) to modernize the national airspace system. In Hawaii, this includes upgrading radios, radars, computers, and airspace routes/procedures. This creates an opportunity to address noise impacts on the 'Ewa plain.
- Community Impact: The 'Ewa plain is now home to approximately 120,000 residents directly impacted by aircraft noise from Honolulu runways. When the instrument approach procedures were first created, the area was a sparsely populated sugarcane plantation. Aircraft noise is a health and quality of life issue contributing to stress, sleep disruption, and difficulty learning for children.
- Key Request – Public Comments: The public comment window has been extended to March 15, 2026. The FAA can change runway use priorities, redirect traffic, and adjust procedures to reduce noise impacts. Community members are encouraged to submit public comments requesting noise abatement as a priority.
- Military Shooting Range/Airspace Safety Concern: Plowman raised a safety issue involving the protective airspace around a military firing range on short final approach to the Honolulu airport. The protective airspace for the range and the protective airspace for aircraft overlap considerably. Plowman requested the FAA reevaluate this spatial relationship to ensure public aircraft are not flying through the danger zone when the range is active.
- Resolution: The board discussed a resolution mirroring efforts by the 'Ewa, Diamond Head, and Pearl City neighborhood boards, with specific provisions for this district: maximizing runway usage for arrivals, limiting military fighter jets on certain runways, reassigning runways for departures and landings, and – specifically for this community – ensuring the scoping process does not lower the mandatory 1,500-foot altitude for Blue Hawaiian Helicopters that the company has been attempting to reduce for the past 20 years.

[2:41:47] Lidstone MOVED and Kahele SECONDED to adopt the resolution. Following discussion, a voice vote was conducted and ADOPTED with a vote count of 8-0-0 (Aye: Lidstone, Ferreira, Medeiros, Kahele, Dudley, Bossler, Taala, Paris; Nay: Npne; Abstain: None)

Questions, comments, and concerns followed – [2:40:29]

1. Runway Clarification: Genadio asked Plowman to clarify the number of runways mentioned. Plowman confirmed there are four runways in each direction: Eight Left, Eight Right, Four Left, and Four Right.
2. Kalaeloa Tower Update: Ferreira stated that Kalaeloa is the backup for HNL in case of disaster. The current tower is a World War II model with no instrument capability. The Air National Guard runs the tower from 6:00 a.m.–10:00 p.m. With the current FAA funding, he asked if the tower could be updated. Plowman suggested this be included in public comments. Ferreira noted a bill for this study previously went nowhere but the need is urgent as the facility is operating on waivers.

[2:41:47] Lidstone MOVED and Kahele SECONDED to adopt the resolution. Following discussion, a voice vote was conducted and ADOPTED with a vote count of 8-0-0 (Aye: Lidstone, Ferreira, Medeiros, Kahele, Dudley, Bossler, Taala, Paris; Nay: Npne; Abstain: None) – [2:42:16]

Resolution Amendment – Kalaeloa Tower [2:44:48]: **Dudley MOVED and Kahele SECONDED. Hearing no discussion, a voice vote was conducted and ADOPTED with a vote count of 8-0-0 (Aye: Lidstone, Ferreira, Medeiros, Kahele, Dudley, Bossler, Taala, Paris; Nay: Npne; Abstain: None)**

Touch-a-Truck – [2:45:25]: Katie Kaanapu, Marketing and Events Manager for Kapolei Commons, presented on the upcoming Touch-a-Truck event:

- Event Details: Saturday, March 7, 2026, 9:00 a.m.–12:00 p.m. at Kapolei Commons (in front of Regal Kapolei Theater). Over 40 large trucks (fire trucks, HPD command vehicles, cement mixers, etc.). Families and kids can explore trucks and meet drivers. 11th annual event sponsored by Kaiser Permanente. Approximately 5,000–8,000 attendees expected.
- Improvements for 2026: A quiet hour from 9:00–10:00 a.m. (no horns or sirens) for children with sensory needs. Kaiser Permanente mobile health vehicle (clinic on wheels). Food trucks and food tents.
- Traffic Mitigation: First year promoting Skyline rail attendance with a school bus shuttle from the West Oahu stop to the event. Overflow parking available at the Honolulu Star-Advertiser parking lot (across from Denny's). DTS coordinating signal timing on Kalaeloa and Kapolei Parkway. HPD providing 13 special duty officers plus on-duty officers and two drones to monitor traffic live.
- Presentation: https://drive.google.com/file/d/1IvKiv-VEZAQ3qffjd20Oo6vWKgOj7HLJ/view?usp=drive_link

5. **PUBLIC INPUT – [2:54:13]**

[2:54:15] Chair Paris noted that public input would be allowed to go as long as needed, deferring all remaining board business.

Senator Mike Gabbard's Office – [2:54:42]: Melanie June, Senator Gabbard's community liaison, shared the following: Senator Gabbard's February newsletter is now available. Senator Gabbard's next listen story meeting will be Saturday, March 21, 2026, 9:00–10:00 a.m. at Kapolei High School Teachers Lounge (Zoom option available; email to RSVP).

Representative Diamond Garcia's Office – [2:55:46]: Hunter Harris, on behalf of Representative Garcia, highlighted: Support requested for HB 2201 (Enterprise Zones) – in 2024, $271 million in revenue came in for participating businesses; the bill seeks to expand the program. Acknowledged attendees at the Fentanyl Awareness Town Hall held the previous night (with HPD and Hawaii County Mayor); noted that fentanyl deaths rose from 26 in 2020 to 107 in 2023, with 103 deaths in 2024. Community encouraged to join Representative Garcia's e-blast newsletter.

Councilmember Andria Tupola's Office – [2:56:58]: Kika Tapeni, representing Councilmember Tupola, announced: Cohort 8 of the R3 program is underway in the Kapolei area, running from the Kapolei State Library on Tuesdays and Wednesdays, 5:00–6:00 p.m. (February 9 – May 27). Noted that the Landfill Ending Landfill Resolution 267 establishing a task force was sent to all neighborhood boards for support. Chair Paris noted the board already approved support at the special meeting.

Representative David Alcos – [2:57:55]: Representative Alcos offered to arrange field trips to review upcoming development facilities in Kalaeloa, including H-Power, the landfill, and a new brewery. Invited the board to contact his office.

6. **BOARD BUSINESS – [2:58:44]:** Chair Paris announced that all Board Business items are postponed to the next meeting.

7. **BOARD ANNOUNCEMENTS – [2:58:47]**

- Next Scheduled Meeting: The next meeting for Makakilo/Kapolei/Honokai Hale Neighborhood Board No. 34 is scheduled for March 25, 2026, at 7:00 p.m. at Kapolei Hale – Conference Rooms A & B and online via WebEx (https://www8.honolulu.gov/nco/nb34/).
- Prince Kūhiō Parade: The parade is on March 28, 2026, in Kapolei. Interested community members may contact Chair Paris or Board Community Liaison Sheila Medeiros to participate.
- Meeting Recordings: Visit https://www.youtube.com/@NeighborhoodCommissionOffice to watch all Neighborhood Board meeting recordings. Neighborhood Board No. 34 meetings are televised on OLELO Channel 49 on the second Friday at 9:00 p.m. and the third Saturday at 12:00 p.m.

8. **ADJOURNMENT – [2:59:15]:** The meeting was adjourned at approximately 9:59 p.m.

Submitted by: Jeffrey Jones, Neighborhood Assistant, NCO
Reviewed by: Dylan Buck, Community Relations Specialist, NCO
Finalized by: [To be completed]

Appendix 6

Preliminary Engineering Report

DRAFT

KAPOLEI PARKWAY LOTS 2-5

PRELIMINARY ENGINEERING REPORT

Kapolei, Oahu, Hawaii

TMK: (1) 9-1-160:064 (por.)

March 6, 2026

PREPARED FOR:

Kobayashi Group, LLC
1288 Ala Moana Boulevard, Suite 201
Honolulu, HI 96814

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KAPOLEI PARKWAY LOTS 2-5

PRELIMINARY ENGINEERING REPORT

March 6, 2026

Prepared by:

R. M. Towill Corporation
2024 North King Street, Suite 200
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(Ref. No. 1-24674-00)

Prepared for:

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1. GENERAL

1.1 Objectives and Scope

This Preliminary Engineering Report (PER) provides a summary of the existing conditions and proposed improvements, and their impact on the adjacent storm drain, water, and sewer infrastructure.

1.2 Background

This report discusses four separate projects; Kapolei Parkway Lot 2, 3, 4, and 5. These four residential developments are all a portion of TMK (1) 9-1-160:064 located in Kapolei, Oahu, Hawaii.

Lot 2:

The proposed Lot 2 is abutted by the proposed Lot 3 to the east, Kapolei Parkway to the north, the proposed Village Walk to the south, and the future Kealakapu Street to the west. The project site is 3.07 acres and currently consists of existing detention/retention basin and undeveloped land. The proposed development will create three 3-story buildings, 171 residential units, a parking garage, and 261 parking stalls.

Lot 3:

The proposed Lot 3 is abutted by Kamaaha Avenue to the east, Kapolei Parkway to the north, the proposed Village Walk to the south, and the proposed Lot 2 to the west. The project site is 3.74 acres and currently consists of existing detention/retention basins and undeveloped land. The proposed development will create three 3-story buildings, 195 residential units, a parking garage, and 202 parking stalls.

Lot 4:

The proposed Lot 4 is abutted by the proposed Lot 5 to the east, Kapolei Parkway to the north, the proposed Village Walk to the south, and Kamaaha Avenue to the west. The project site is 4.63 acres and currently consists of existing a detention/retention basin and undeveloped land. The proposed development will create three 3-story buildings, 231 residential units, a parking garage, and 349 parking stalls.

Lot 5:

The proposed Lot 5 is abutted by Wakea St. to the east, Kapolei Parkway to the north, the existing Village Walk to the south, and the future Lot 4 to the west. The project site is 3.03 acres and currently consists of existing detention/retention basins and undeveloped land. The proposed development will create three 3-story buildings, 166 residential units, a parking garage, and 225 parking stalls.

See Figure 1 for Location and Vicinity Map.

2. EXISTING AND PROPOSED CONDITIONS

2.1 Storm Drainage System

The existing and proposed drainage system is a part of the City of Kapolei Revised Drainage Master Plan. This portion of the City of Kapolei drainage system ultimately discharges to the Makai Channel that runs parallel to Franklin D. Roosevelt Avenue.

See Appendix for the "Makai Channel Key Map" and the Drain Line B, C, and D Runoff Maps from the City of Kapolei Revised Drainage Master Plan.

2.1.1 Existing Storm Drainage System

The existing Lots 2-5 are being used as detention/retention basins until the permanent drainage improvements are constructed.

The existing detention/retention basins within Lot 4 and 5 collect onsite and offsite runoff and discharge into two outlets that connect directly to the existing 66-inch drain line (Drain Line B, see Makai Channel Key Map) within Kamaaha Avenue. A small portion of the runoff on Lots 4 and 5 sheet flow south off site onto adjacent roadways. The Lot 4 and 5 existing detention/retention basins also receive off-site runoff from the adjacent roadway drainage systems. A 36-inch drain line crosses Kapolei Parkway on Alohikea street, enters the site from the north, and discharges into a ditch crossing structure that eventually leads to the existing on-site retention basins. A 66-inch drain line enters the site from the east as it crosses Wakea Street and discharges off-site runoff into a detention basin that is adjacent to Wakea Street.

The existing detention/retention basins within Lot 2 and 3 collect onsite runoff via drain inlets that connect directly to the existing 66-inch drain line (Drain Line C, see Makai Channel Key Map) that runs north to south in between Lots 2 and 3. This drain line will connect to the portion of Drain Line B that runs east to west along the proposed village walk, consisting of a 72-inch drain line, and 10' x 5' box culvert. This system bends south at the future Kealakapu Street and discharges into the Makai channel.

2.1.2 Proposed Storm Drainage System

The proposed drainage systems will be designed in accordance with the City of Kapolei Revised Drainage Master Plan and with the City and County of Honolulu's Storm Drainage Standards.

Lot 2:

The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, drain manholes, and drain lines. The drainage system will connect to the City's existing system at five potential locations; two stub outs along Kapolei Parkway, two stub outs along the proposed Village Walk, and a connection to the 66-inch drain line that crosses between Lots 2 and 3. Exact locations of connection will be verified during the design phase.

Lot 3:

The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, drain manholes, and drain lines. The drainage system will connect to the City's existing system at four potential locations; one stub out along Kapolei Parkway, one stub out along the proposed Village Walk, one stub out along Kamaaha Avenue, and a connection to the 66-inch drain line that crosses between Lots 2 and 3. Exact locations of connection will be verified during the design phase.

Lot 4:

The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, drain manholes, and drain lines. The drainage system will connect to the City's existing system at three potential locations; one stub out near the Village Walk and Alohikea intersection, one stub out along the proposed Village Walk, and one stub out along Kamaaha Avenue. Exact locations of connection will be verified during the design phase.

Lot 5:

The proposed onsite (private) drainage system will collect runoff via drainage inlets, trench drains, and drain lines. The drainage system will connect to the City's existing system at three locations; the existing 24-inch stub out and existing 66-inch stub out at the southwest end of the project site, and an existing 24-inch drain line off Wakea Street. The offsite (City) improvements will include extending the existing 66-inch drain line to complete the connection to the existing 72-inch drain line within Lot 3 and connecting the existing 36-inch drain line near the Alohikea

Street and Kapolei Parkway intersection to the proposed 66-inch drain line on the south side of the site.

See Figures 2-2, 3-2, 4-2, and 5-2 for Existing and Proposed Drainage Systems.

2.1.3 Flood Zone

The project sites are located in flood zone "D" which is classified as an area of undetermined flood hazard.

2.1.4 Storm Water Quality

The proposed improvements will include Post Construction BMPs that will be designed in accordance with the City and County of Honolulu's Rules Relating to Water Quality.

2.2 Potable Water System

2.2.1 Existing Potable Water System

Existing water lines adjacent to the project sites include 12-inch potable water mains located in Wakea St., Kamaaha Avenue, and Kapolei Parkway. There are 12-inch potable water main stub outs located within the existing Alohikea and Kauwela Street stub outs off of Kapolei Parkway and Village Walk.

The calculated flow data for nearby fire hydrants was provided by the Board of Water Supply, shown in the table below:

Fire Hydrant Number	Location	Static Pressure (psi)	Residual Pressure (psi)	Flow (gpm)
L07331	Kapolei Parkway	71	55	2000
L07601	Wakea Street	67	49	2000
L07654	Kamaaha Avenue	70	53	2000
L07717	Kauwela Street	69	47	2000
L07648	Alohikea Street	70	50	2000

See Appendix for Board of Water Supply Water Availability Letter.

See Appendix for excerpts from Kapolei Regional Potable Water Master Plan.

2.2.2 Proposed Potable Water System

Lot 2:

The proposed onsite (private) potable water system will connect to existing 4-inch and 8-inch potable water laterals located off Kapolei Parkway. The water connection design will include FM water meters, gate valves, and BWS approved backflow prevention assemblies. The water system design will be verified during the design phase.

Lot 3:

The proposed onsite (private) potable water system will connect to existing 4-inch and 8-inch potable water laterals located off Kapolei Parkway. The water connection design will include FM water meters, gate valves, and BWS approved backflow prevention assemblies. Improvements will also include completing the 12-inch water line connection running along the formerly proposed Kauwela Street extension. The water system design will be verified during the design phase.

Lot 4:

The proposed onsite (private) potable water system will connect to the existing 12-inch potable water main that runs within Alohikea Street where it crosses Kapolei Parkway. The water connection design will include FM water meters, gate valves, and BWS approved backflow prevention assemblies. The water system design will be verified during the design phase.

Lot 5:

The proposed potable water system will connect to the existing 12-inch water line that runs within Alohikea Street where it crosses Kapolei Parkway. The connection to the site will include an 8"x2" FM meter and BWS approved backflow prevention assembly.

The Lot 5 improvements will also include completing the 12-inch water line connection along the formerly proposed Alohikea Street extension from Kapolei Parkway to the existing Alohikea Street on the south side of the site.

BWS confirmed that the existing water system is adequate to accommodate the proposed developments.

See Figures 2-3, 3-3, 4-3, and 5-3 for Existing and Proposed Potable Water Systems.

See Appendix for BWS Water Availability Letter.

See Appendix for the City of Kapolei Distribution System from the Kapolei Regional Potable Water Master Plan.

2.3 Non-Potable Water System

2.3.1 Existing Non-Potable Water System

Existing non-potable recycled water lines adjacent to the project sites include a 16-inch recycled water main located in Kapolei Parkway, an 8-inch recycled water main located in Wakea Street, 8-inch recycled water main stub outs at the existing Alohikea Street stub out and Kamaaha Intersection off of Kapolei Parkway, and 12-inch recycled water main stub outs at the existing Kauwela Street-Kapolei Parkway and Kealakapu Street-Kapolei Parkway intersections.

2.3.2 Proposed Non-Potable Water System

Lot 2:

The proposed onsite (private) non-potable water system will connect to either the existing 16-inch recycled water main within Kapolei Parkway, the 12-inch recycled water main stub out within the Kealakapu Street-Kapolei Parkway intersection, or the 12-inch recycled water main stub out located within the existing Kauwela Street roadway stub out. The connection locations will be verified during the design phase of Lot 2.

Lot 3:

The proposed onsite (private) non-potable water system will connect to either the existing 16-inch recycled water main within Kapolei Parkway, the 12-inch recycled water main stub out located within the existing Kauwela Street roadway stub out, or the existing 12-inch recycled water main stub out located within Kamaaha Avenue. The connection locations will be verified during the design phase of Lot 3.

Lot 4:

The proposed onsite (private) non-potable water system will connect to either the existing 16-inch recycled water main within Kapolei Parkway, the existing 12-inch recycled water main stub out located within the existing Kamaaha Avenue roadway stub out, or the existing 8-inch recycled water main stub out located within the existing Alohikea Street roadway stubout. The connection locations will be verified during the design phase of Lot 4.

Lot 5:

The proposed irrigation system will connect to the existing 16-inch recycled water main within Kapolei Parkway to the north of the site with a 1-inch lateral. The proposed non-potable demand will be 3,948 gpd.

See Figures 2-4, 3-4, 4-4, and 5-4 for the Existing and Proposed Non-Potable Water Systems.

2.4 Wastewater System

2.4.1 Existing Wastewater System

Existing City sewer lines are available adjacent to the project site. There are two 10-inch gravity sewer mains; one on Wakea Street and one that crosses the site from Alohikea Street and Kapolei Parkway intersection to the continuation of Alohikea Street on the south side of the project, an existing 15-inch gravity sewer main within Kamaaha Avenue, and a 12" gravity sewer main within the future Kealakapu Street. There are existing sewer laterals serving Lot 5 on both gravity mains within Wakea Street and the proposed Alohikea Street cul-de-sac.

2.4.2 Proposed Wastewater System

Lot 2:

The proposed onsite (private) sewer system will connect the existing 12-inch gravity sewer main at the sewer manhole within the future Kealakapu Street near the southwest corner of the site. Sewer capacity will be calculated, and a sewer connection application will be submitted to the city prior to the design phase of Lot 2.

Lot 3:

The proposed onsite (private) sewer system will connect the existing 15-inch gravity sewer main within Kamaaha Avenue near the southeast corner of the site. The connection location will be

verified during the design phase of Lot 3. Sewer capacity will be calculated, and a sewer connection application will be submitted to the city prior to the design phase of Lot 3.

Lot 4:

The proposed onsite (private) sewer system will connect to either the existing 15-inch gravity sewer main within Kamaaha Avenue near the southwest corner of the site or the existing 12-inch gravity sewer main at the sewer manhole within the proposed Alohikea Street cul-de-sac. The connection location will be verified during the design phase of Lot 4 Sewer capacity will be calculated, and a sewer connection application will be submitted to the city prior to the design phase.

Lot 5:

The proposed onsite (private) sewer system will connect to the existing 12-inch gravity sewer main at the sewer manhole within the proposed Alohikea Street cul-de-sac. A sewer connection application has been submitted to the City and County of Honolulu for the proposed development (See Appendix A), the application has been tentatively approved under condition. For the proposed 166-unit development, the average wastewater flow generated by the development will be approximately 0.0336 MGD based on 2.8 people per unit and 70 gallons per person per day. During design, the capacity of each existing lateral will be verified to confirm it can accommodate the proposed flows. The onsite sewer system will be designed in accordance with the City and County of Honolulu Department of Environmental Service's Wastewater System Design Standards.

See Figures 2-5, 3-5, 4-5, and 5-5 for the Existing and Proposed Wastewater Systems.

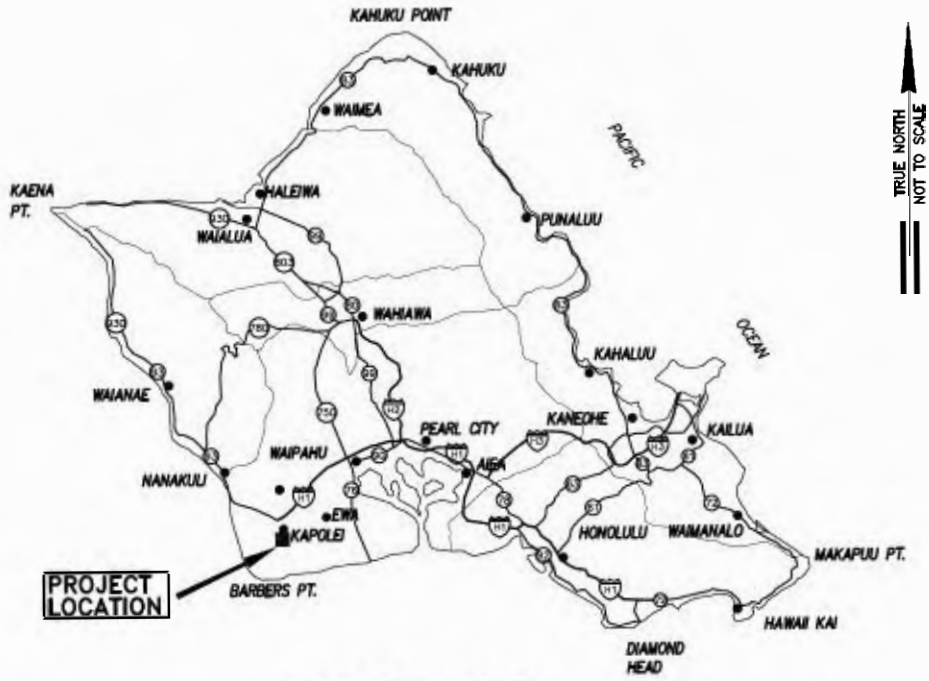
See Appendix for existing sewer improvements from the City of Kapolei Revised Sewer Master Plan.

3. REFERENCES

1. *Water System Standards*, 2002, Board of Water Supply, as amended.

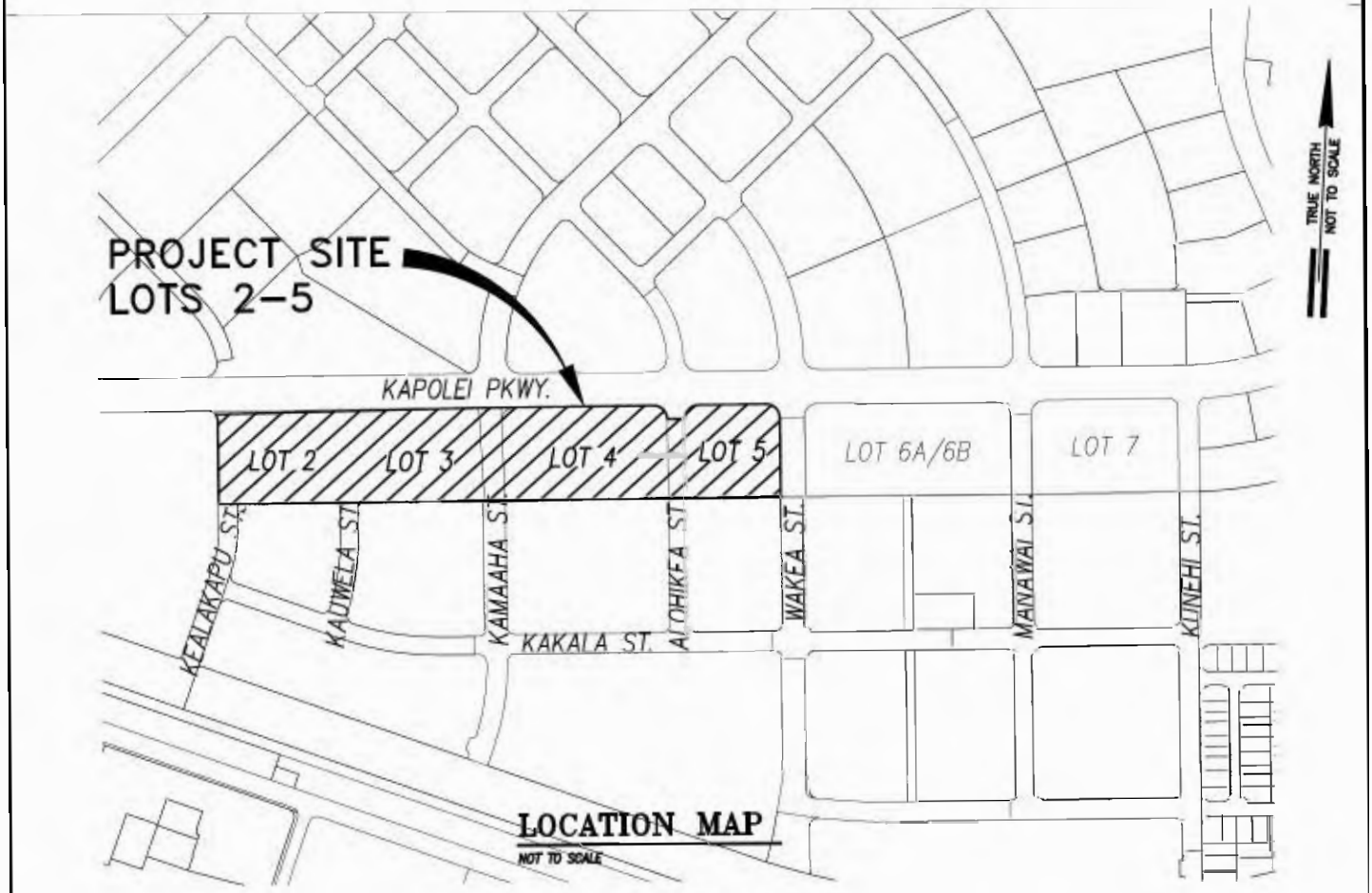
2. *Wastewater System Design Standards,* Department of Environmental Services, City and County of Honolulu, July 2017.

3. *Storm Drainage Standards*, Department of Planning and Permitting City and County of Honolulu, August 2017.



VICINITY MAP

NOT TO SCALE



LOCATION MAP

NOT TO SCALE

KAPOLEI LOTS 2-5

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management

R. M. TOWILL CORPORATION

808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-1937

VICINITY AND LOCATION MAP

Figure 1

KAPOLEI PARKWAY

KEALAKAPU ST.

PROJECT LIMITS

LOT 2

171 HOUSING UNITS

261 PARKING STALLS

LOT 3

VILLAGE WALK

KAUWELA ST.

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 2

PROPOSED DEVELOPMENT PLAN

Figure 2-1

KAPOLEI PARKWAY

KEALAKAPU ST.

KAUWELA ST.

VILLAGE WALK

LOT 2

LOT 3

DRAIN CONN. TO E/D24

DRAIN CONN. TO E/D66

DRAIN CONN. TO E/D24

DRAIN CONN. TO E/D24

10x5 BOX DRAIN

10x5 BOX DRAIN

PROJECT LIMITS

D18 D24 D54 D66 D30 D24 D24 D18 D24 D36 D66 D18 D24 D66 D48 D24 D48 D24 D24 D72

LEGEND

D18 EXISTING DRAIN SYSTEM

D18 PROPOSED DRAIN SYSTEM

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 2

EXISTING AND PROPOSED DRAINAGE SYSTEM

Figure 2-2

EXIST. 12" WATER LINE

KAPOLEI PARKWAY

EXIST. 12" WATER LINE

WATER CONN. TO E/W8

WATER CONN. TO E/W4

KEALAKAPU ST.

LOT 2

LOT 3

EXIST. 12" WATER LINE

PROJECT LIMITS

E/FH
L07717

EXIST. 12" WATER LINE

VILLAGE WALK

KAUWELA ST.

LEGEND

W12 EXISTING POTABLE WATER SYSTEM

W12 PROPOSED POTABLE WATER SYSTEM

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North

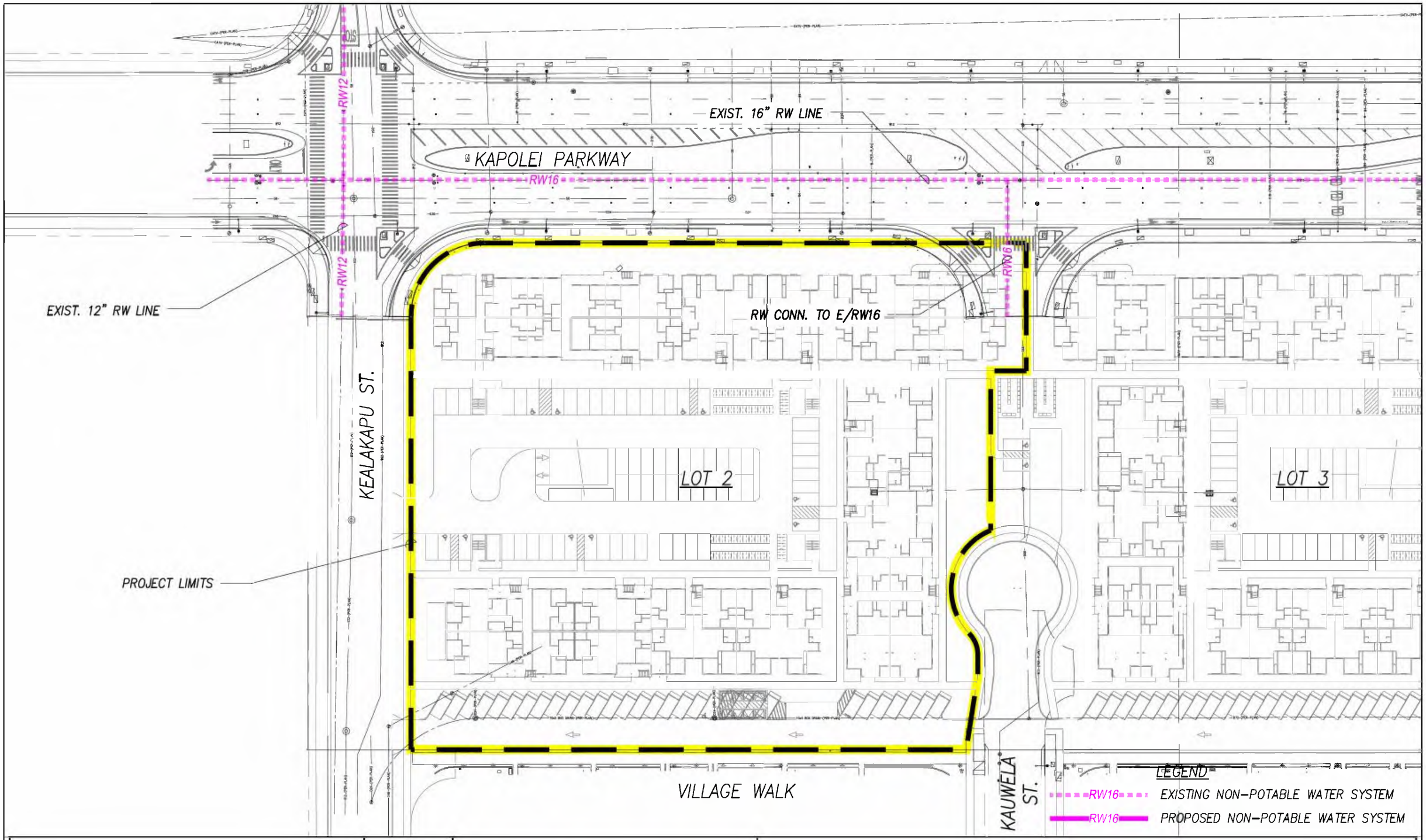
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SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 2

EXISTING AND PROPOSED POTABLE WATER SYSTEM

Figure
2-3



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

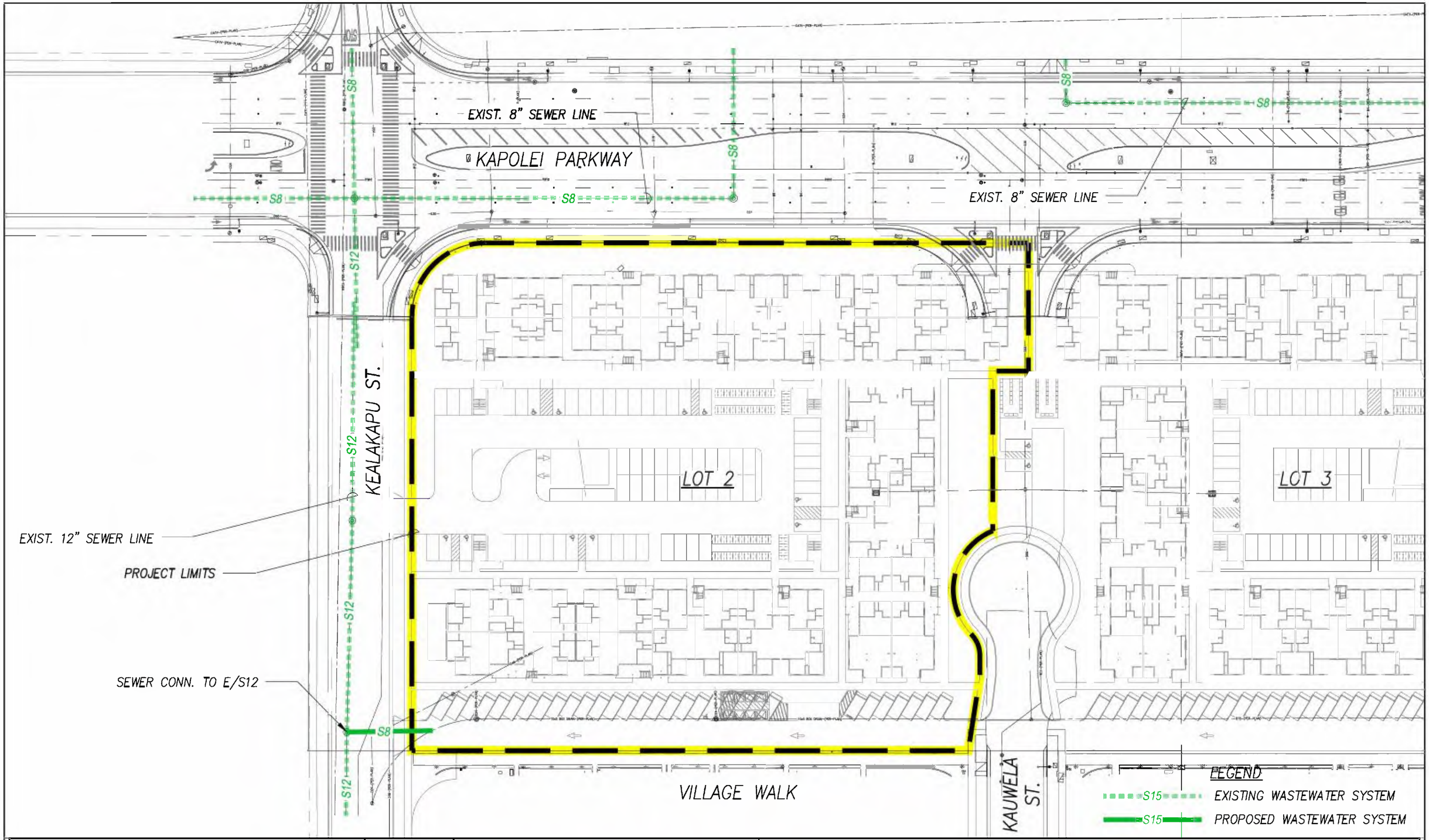
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SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 2

EXISTING AND PROPOSED NON-POTABLE WATER SYSTEM

Figure 2-4



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management

R. M. TOWILL CORPORATION

808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

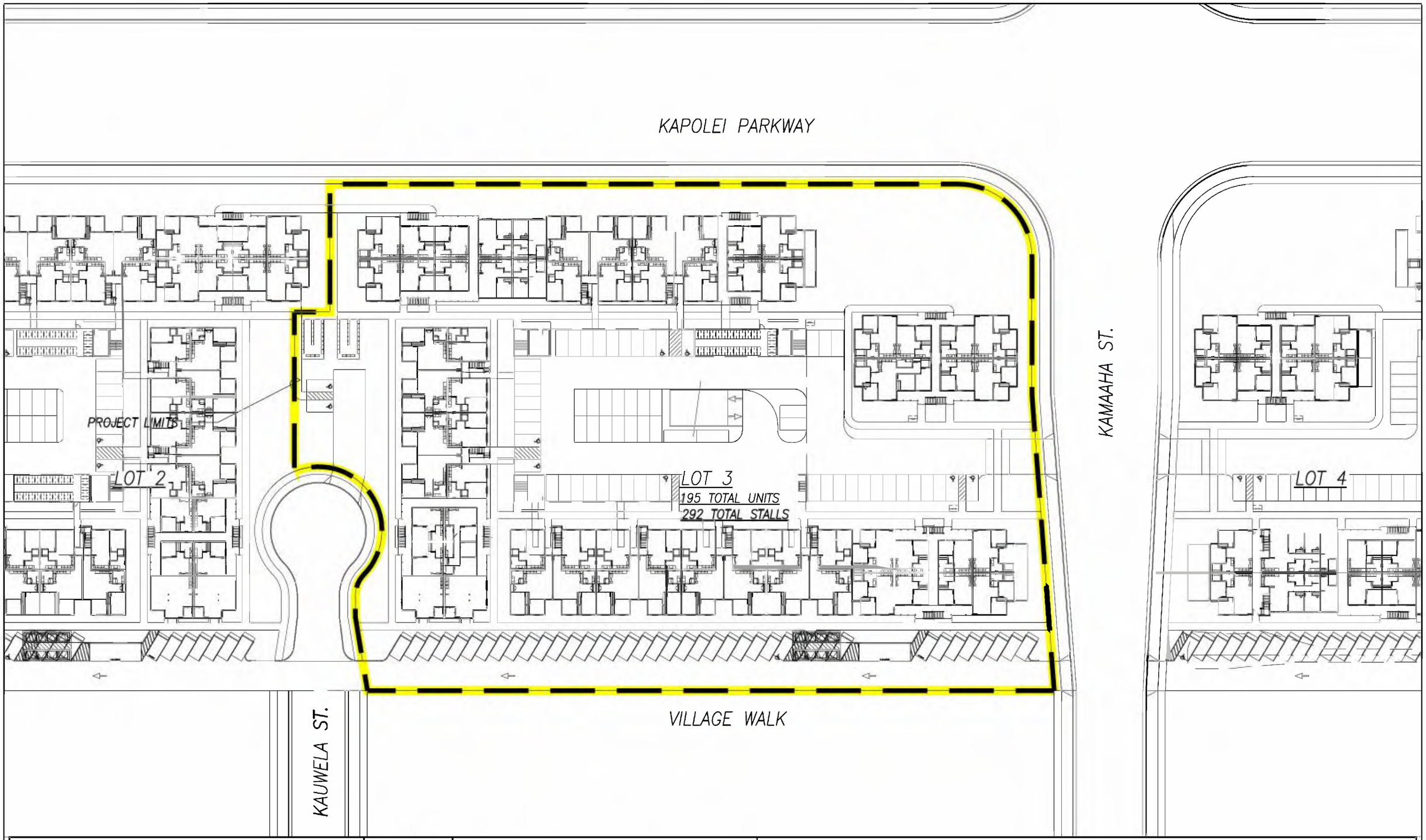
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SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 2

EXISTING AND PROPOSED WASTEWATER SYSTEM

Figure 2-5



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management

R. M. TOWILL CORPORATION

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North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 3

PROPOSED DEVELOPMENT PLAN

Figure 3-1

KAPOLEI PARKWAY

DRAIN CONN. TO E/D18

EXIST. 30" DRAIN LINE

PROJECT LIMITS

EXIST. 66" DRAIN LINE

DRAIN CONN. TO E/D66

LOT 2

LOT 3

LOT 4

DRAIN CONN. TO E/D24

KAMAAHA ST.

E/D TO BE DEMOLISHED

EXIST. 72" DRAIN LINE

DRAIN CONN. TO E/D24

10x5 BOX DRAIN

KAUWELA ST.

VILLAGE WALK

LEGEND

EXISTING DRAIN SYSTEM

PROPOSED DRAIN SYSTEM

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

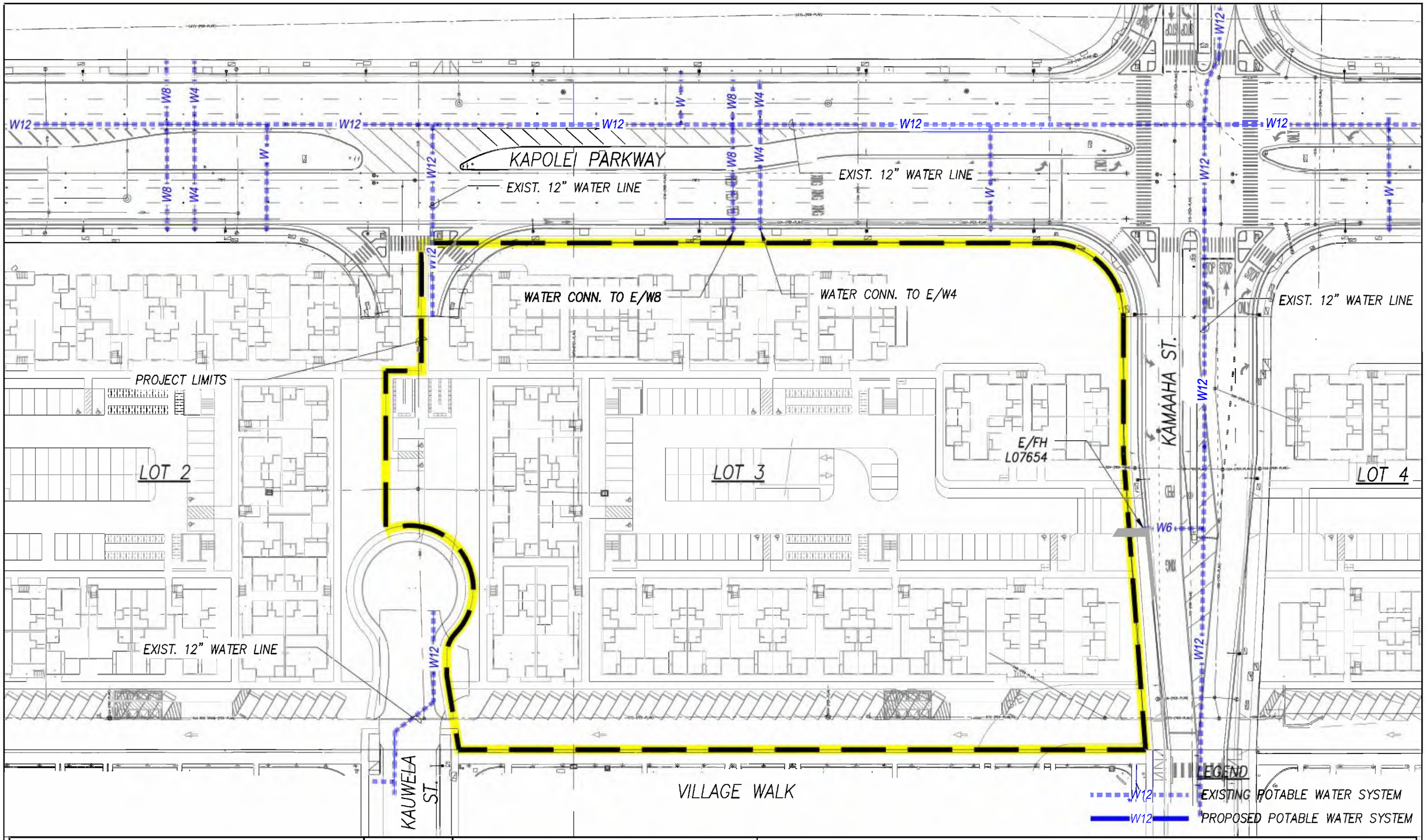
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SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 3

EXISTING AND PROPOSED DRAINAGE SYSTEM

Figure 3-2



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 3

EXISTING AND PROPOSED POTABLE WATER SYSTEM

Figure 3-3

EXIST. 16" RW LINE

KAPOLEI PARKWAY

RW16

RW16

RW CONN. TO E/RW12

EXIST. 12" RW LINE

RW12

KAMAAHA ST.

LOT 2

LOT 3

LOT 4

PROJECT LIMITS

KAUWELA ST.

VILLAGE WALK

LEGEND

RW16 EXISTING NON-POTABLE WATER SYSTEM

RW16 PROPOSED NON-POTABLE WATER SYSTEM

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

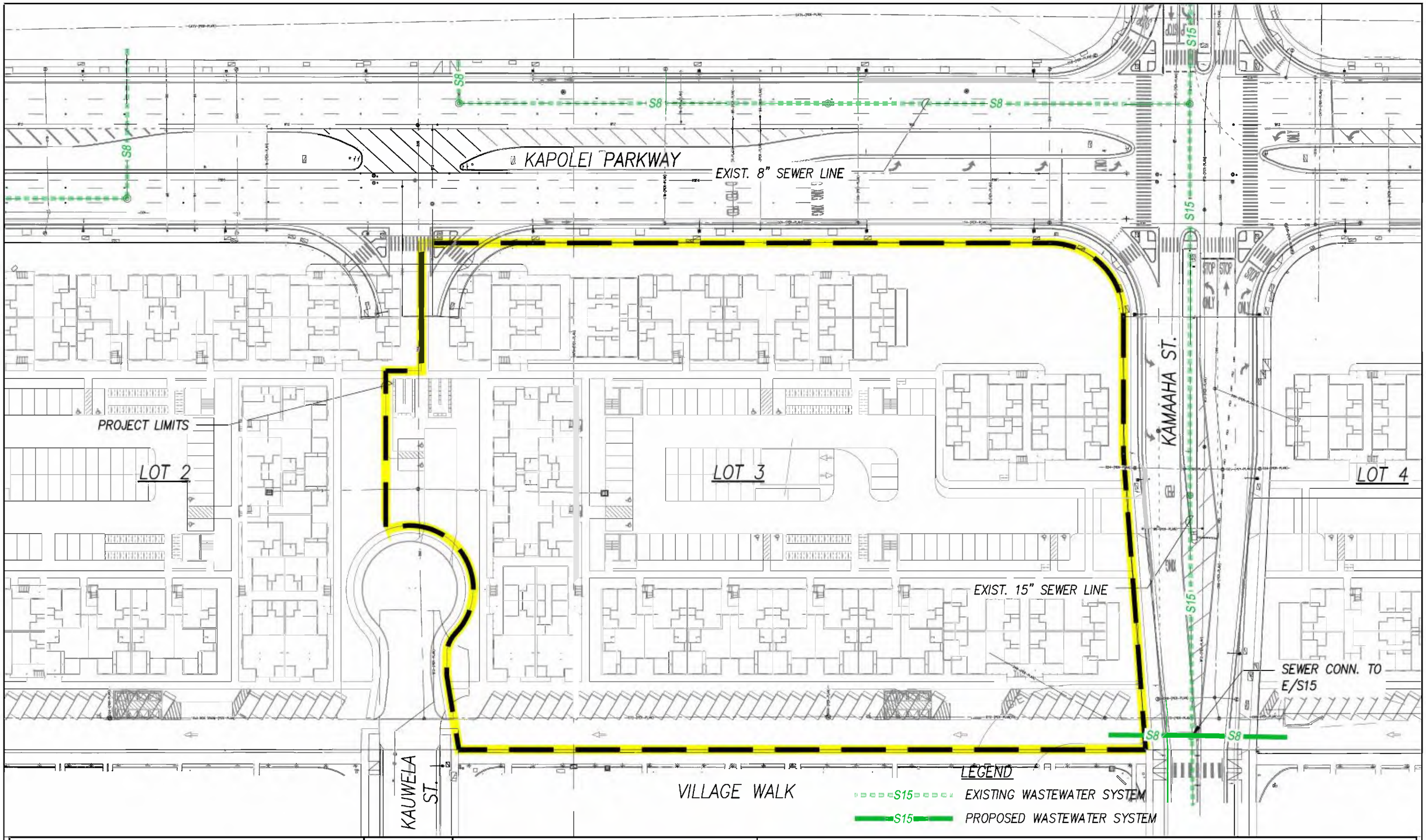
60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 3

EXISTING AND PROPOSED NON-POTABLE WATER SYSTEM

Figure 3-4



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 3

EXISTING AND PROPOSED WASTEWATER SYSTEM

Figure 3-5

KAPOLEI PARKWAY

LOT 3

KAMAAHA ST.

LOT 4

231 TOTAL UNITS

349 TOTAL STALLS

LOT 5

PROJECT LIMITS

VILLAGE WALK

ALOHIKEA ST.

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management

R. M. TOWILL CORPORATION

808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

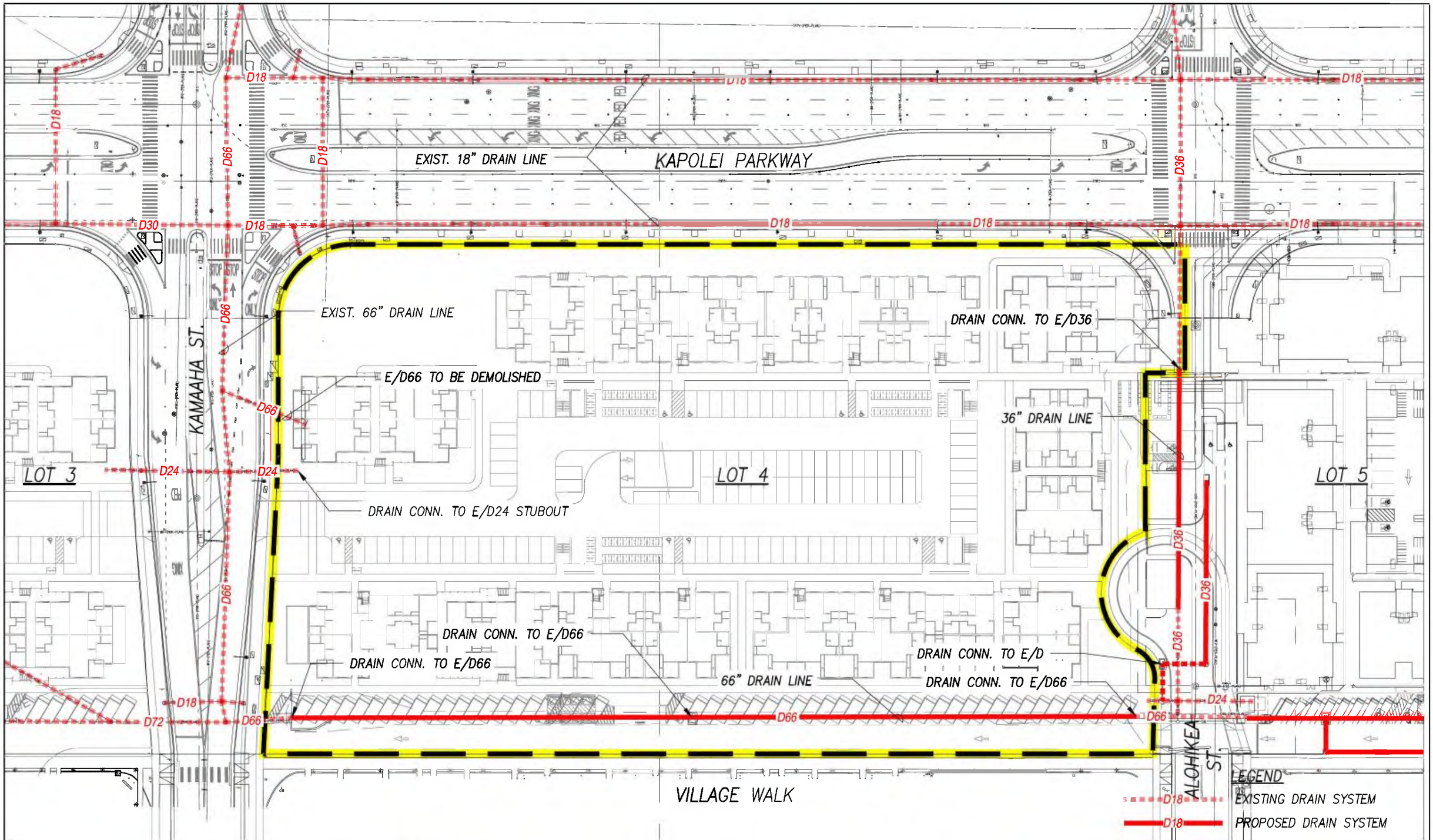
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SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 4

PROPOSED DEVELOPMENT PLAN

Figure 4-1



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

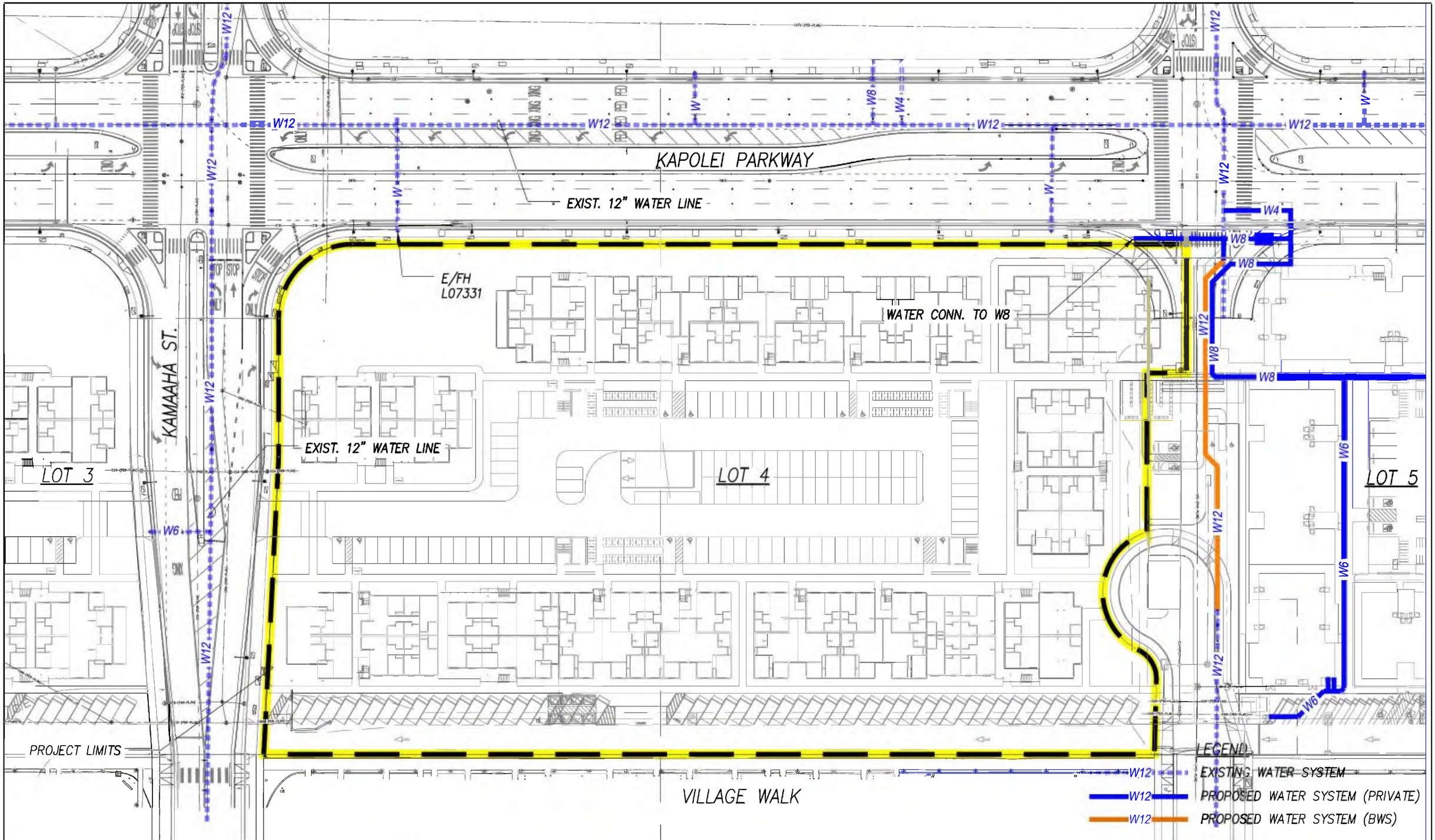
60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 4

EXISTING AND PROPOSED DRAINAGE SYSTEM

Figure 4-2



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

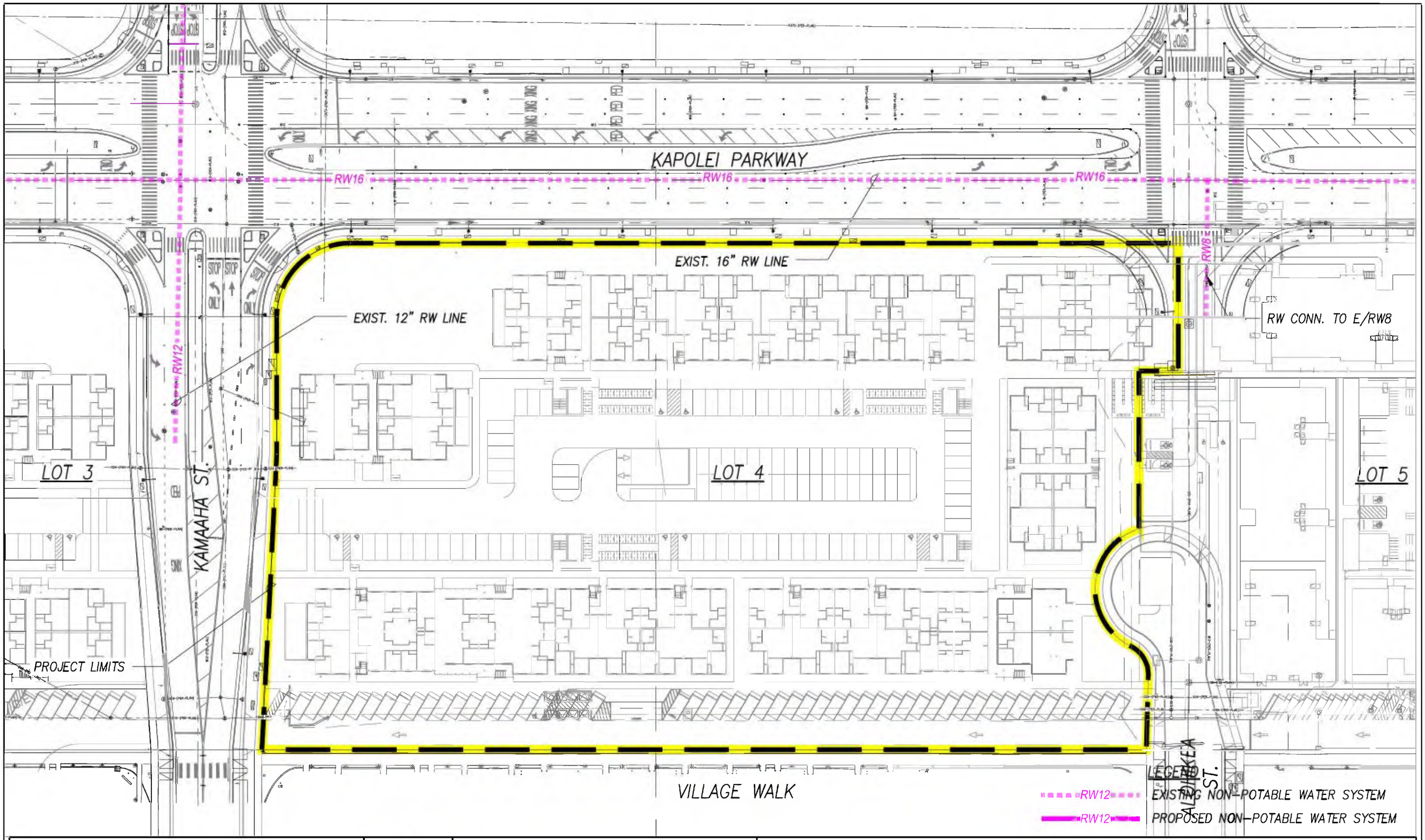
60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 4

EXISTING AND PROPOSED POTABLE WATER SYSTEM

Figure 4-3



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 4

EXISTING AND PROPOSED NON-POTABLE WATER SYSTEM

Figure 4-4

KAPOLEI PARKWAY

EXIST. 15" SEWER LINE

KAMAAHA ST.

LOT 3

LOT 4

EXIST. 10" SEWER LINE

6" SEWER LINE

LOT 5

PROJECT LIMITS

SEWER CONN. TO E/S15

SEWER CONN. TO E/S8

VILLAGE WALK

ALOHIKEA ST.

S15 S10 S8 S6

STOP ONLY

LEGEND

S10 EXISTING WASTEWATER SYSTEM

S10 PROPOSED WASTEWATER SYSTEM

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 4

EXISTING AND PROPOSED WASTEWATER SYSTEM

Figure 4-5

KAPOLEI PARKWAY

PROJECT LIMITS

LOT 4

LOT 5

153 TOTAL UNITS

216 TOTAL STALLS

LOT 6

WAKEA ST.

ALOHIKEA ST.

VILLAGE WALK

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 5

PROPOSED DEVELOPMENT PLAN

Figure 5-1

EXIST. 18" DRAIN LINE

KAPOLEI PARKWAY

PROJECT LIMITS

EXIST. 18" DRAIN LINE

36" DRAIN LINE

EXIST. 42" DRAIN LINE

24" DRAIN LINE

KAMAAHUA ST.

WAKEA ST.

EXIST. 66" DRAIN LINE

LOT 4

LOT 5

DRAIN CONN. TO E/D36

DRAIN CONN. TO E/D24

DRAIN CONN. TO E/D66

DRAIN CONN. TO E/D24

DRAIN CONN. TO E/D66

VILLAGE WALK

DRAIN CONN. TO E/D66

ALOHIKEA ST.

66" DRAIN LINE

12" DRAIN LINE

LEGEND

D18 EXISTING DRAIN SYSTEM

D18 PROPOSED DRAIN SYSTEM

Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

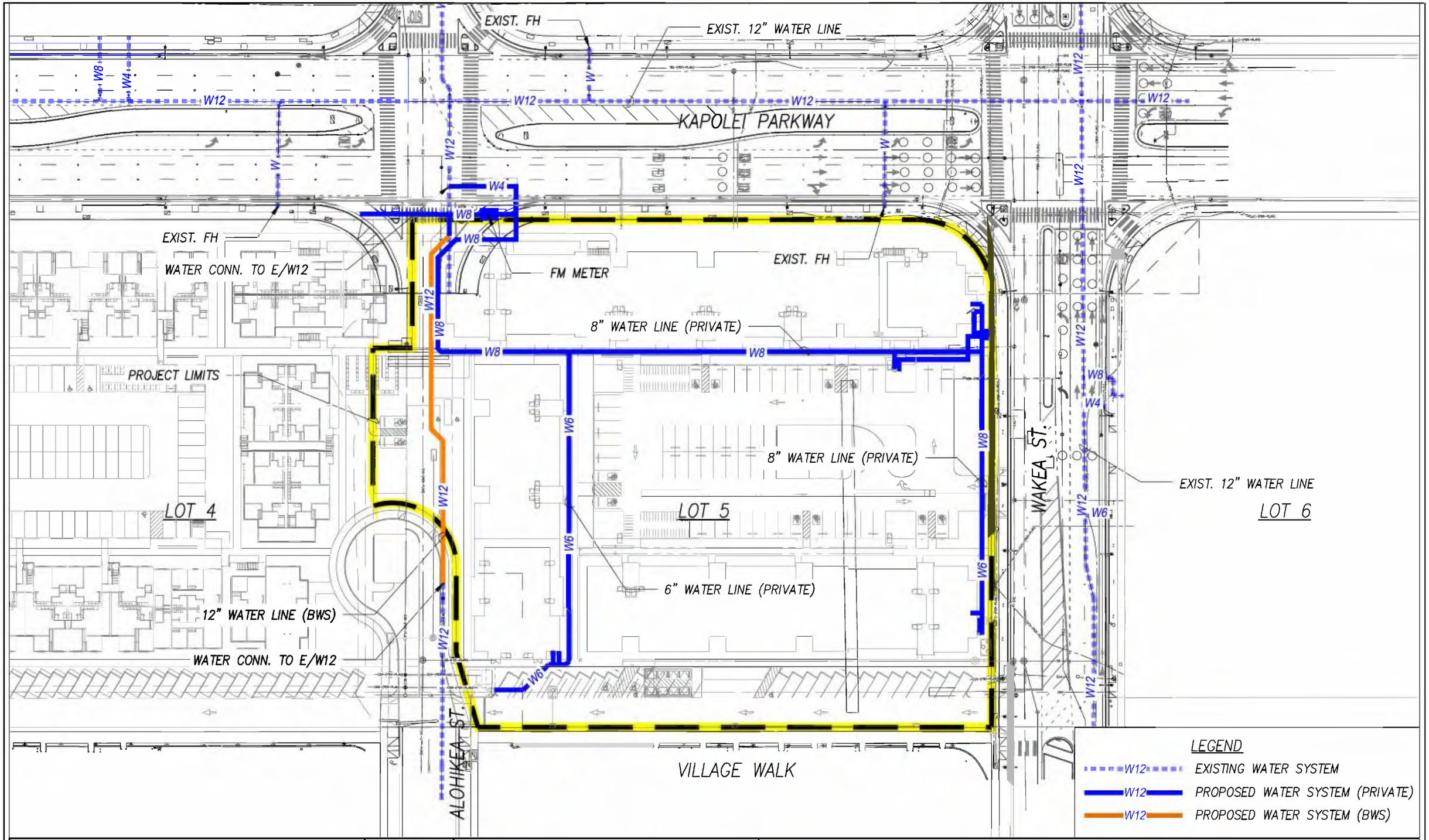
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SCALE: 1" = 80'

KAPOLEI PARKWAY LOT 5

EXISTING AND PROPOSED DRAINAGE SYSTEM

Figure 5-2



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management
R. M. TOWILL CORPORATION
808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

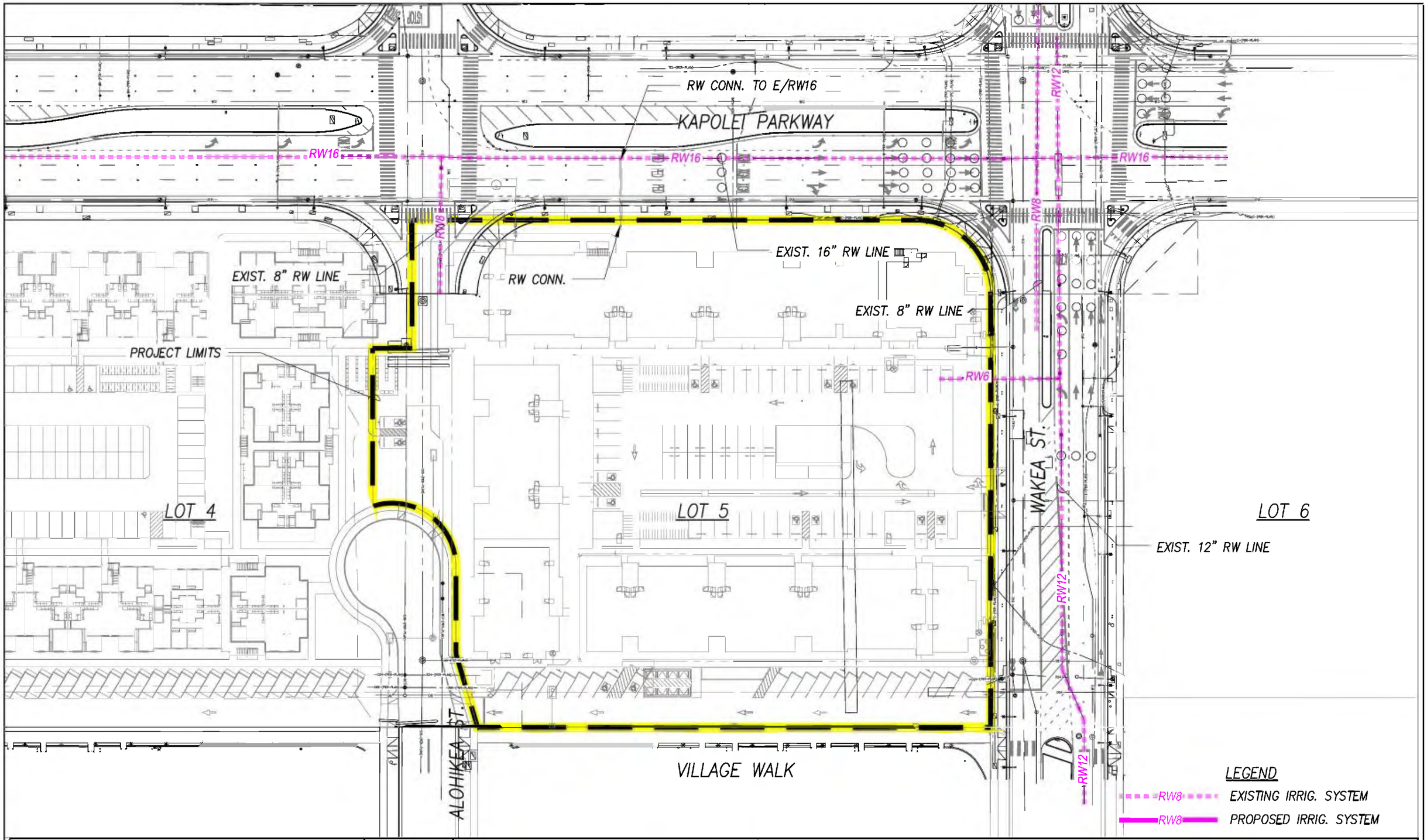
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SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 5

EXISTING AND PROPOSED POTABLE WATER SYSTEM

Figure 5-3



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management

R. M. TOWILL CORPORATION

808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

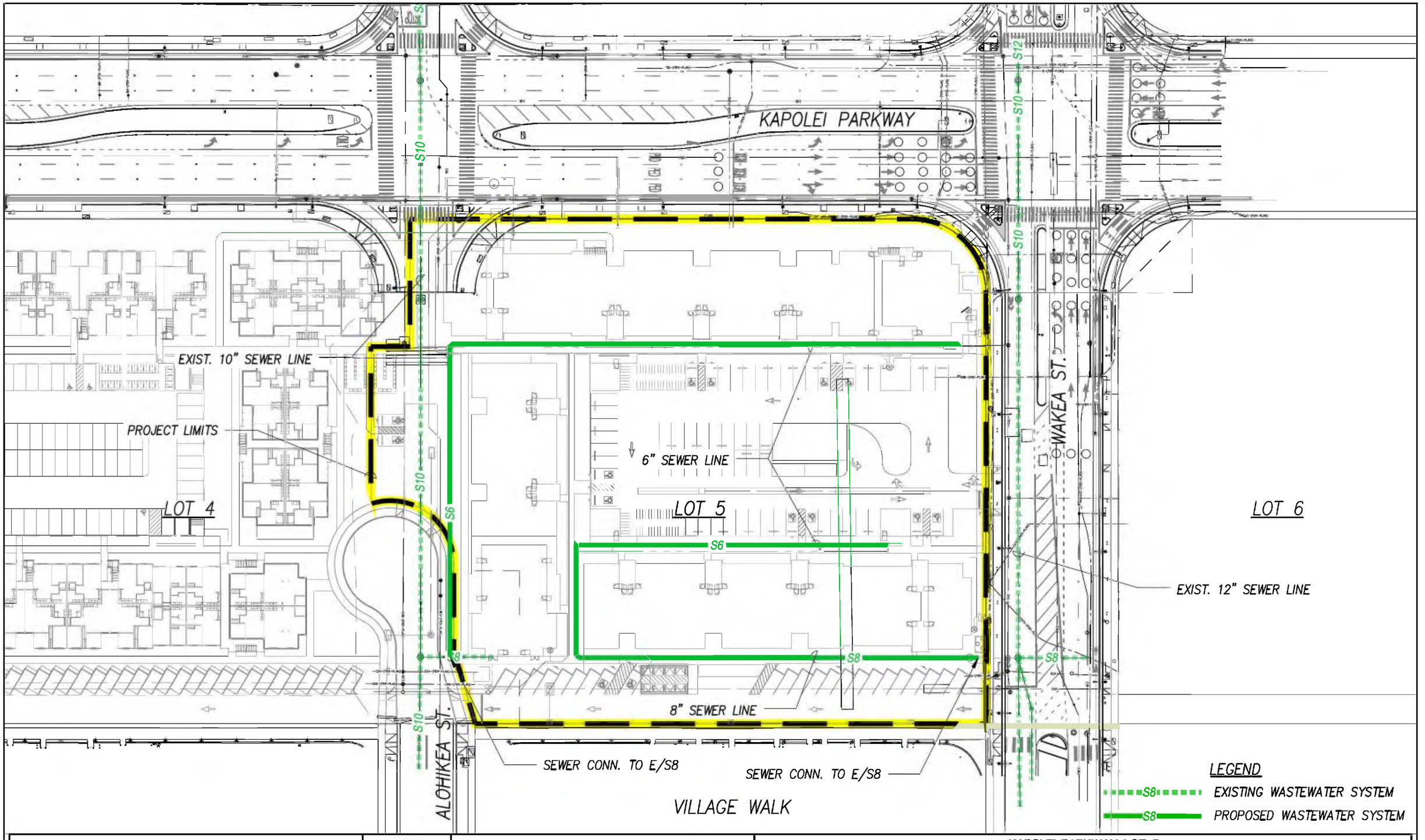
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SCALE: 1" = 60'

KAPOLEI PARKWAY LOT 5

EXISTING AND PROPOSED NON-POTABLE WATER SYSTEM

Figure 5-4



Planning – Engineering – Environmental Services – Photogrammetry – Surveying – Construction Management

R. M. TOWILL CORPORATION

808 842 1133 2024 North King Street Suite 200 Honolulu Hawaii 96819-3494

North

60' 30' 0 60' 120'

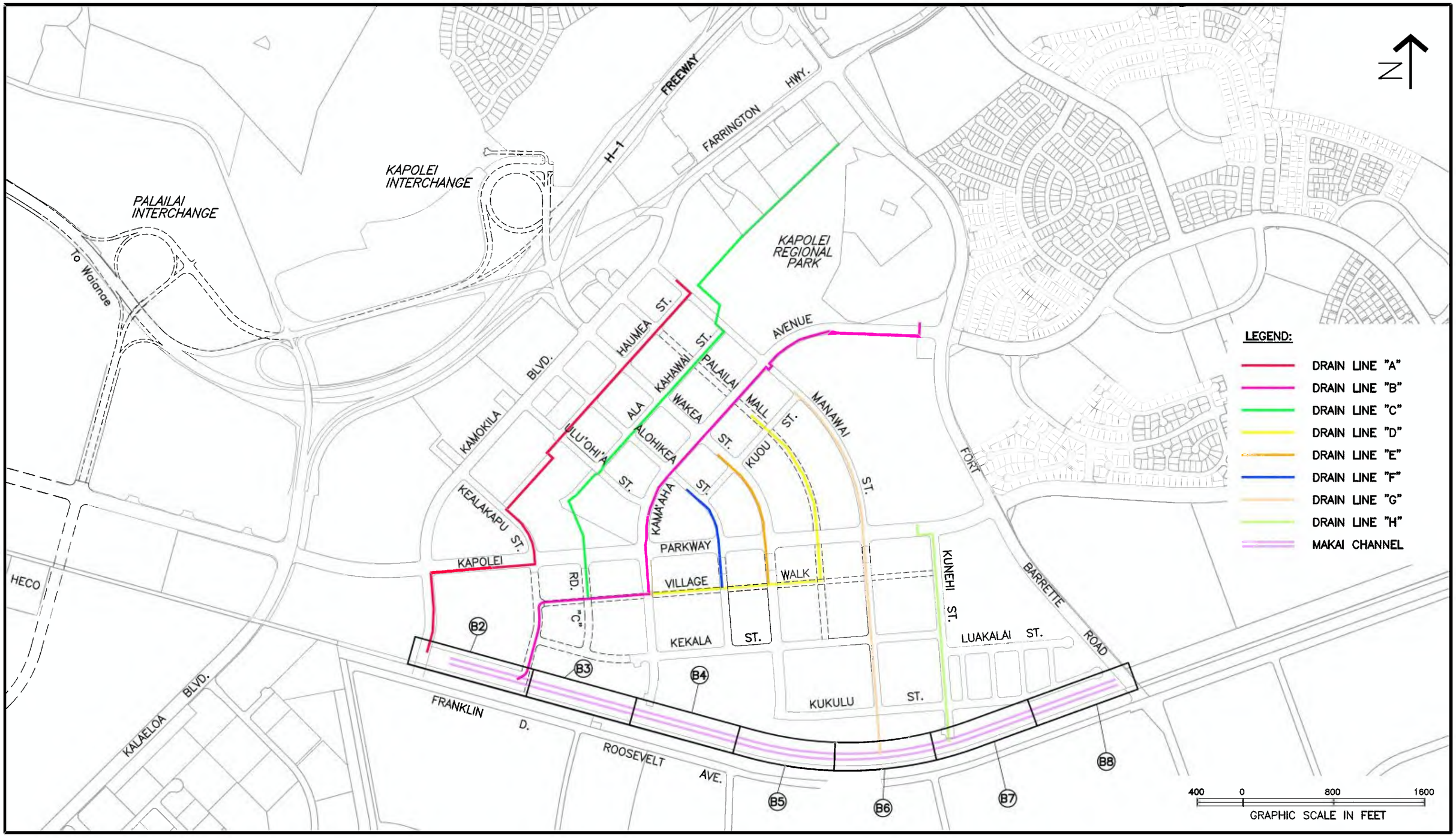
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KAPOLEI PARKWAY LOT 5

EXISTING AND PROPOSED WASTEWATER SYSTEM

Figure 5-5

APPENDIX



CITY OF KAPOLEI
REVISED DRAINAGE MASTER PLAN
EWA, OAHU, HAWAII

Prepared By: ENGINEERING CONCEPTS, INC.

Makai Channel Key Map

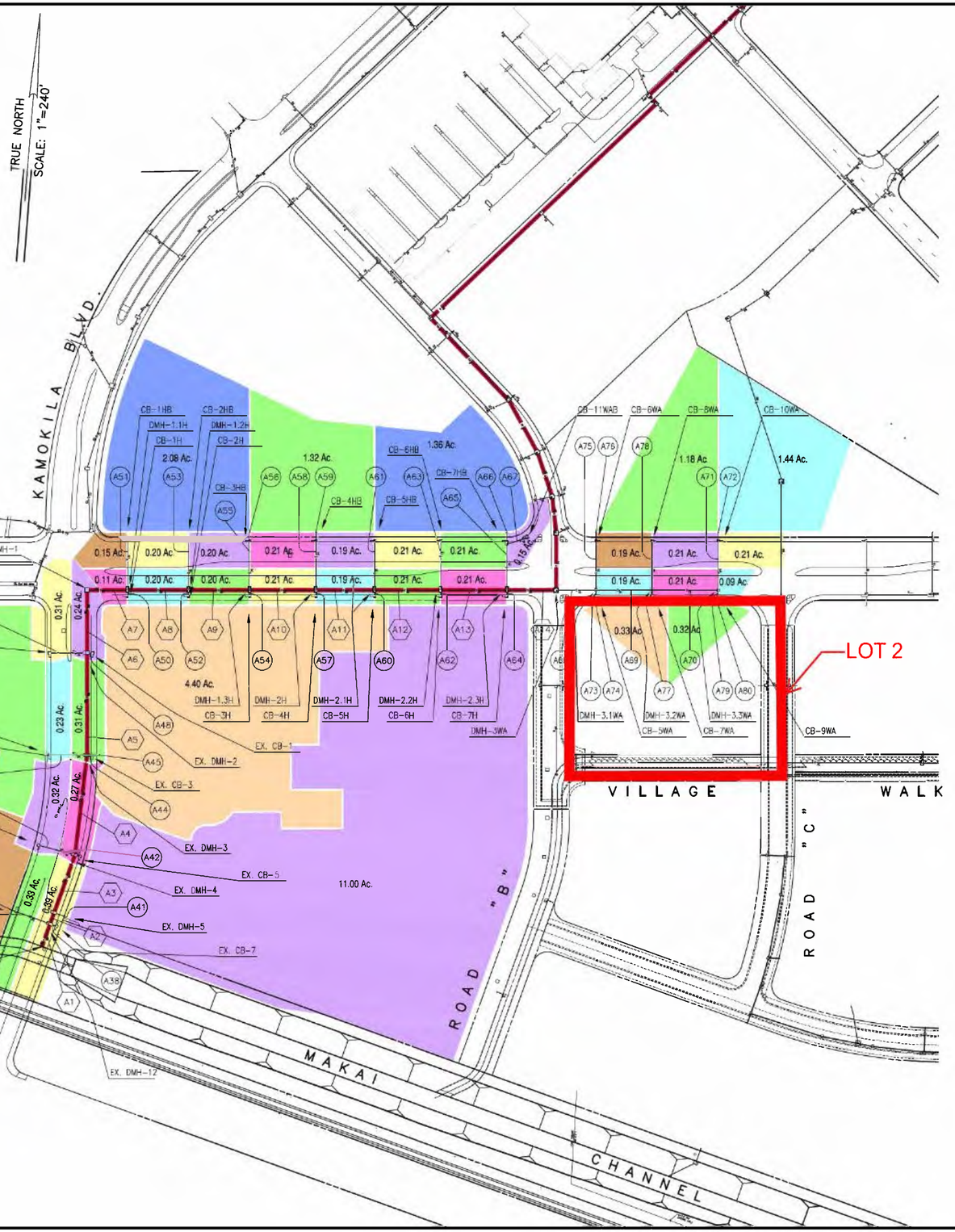
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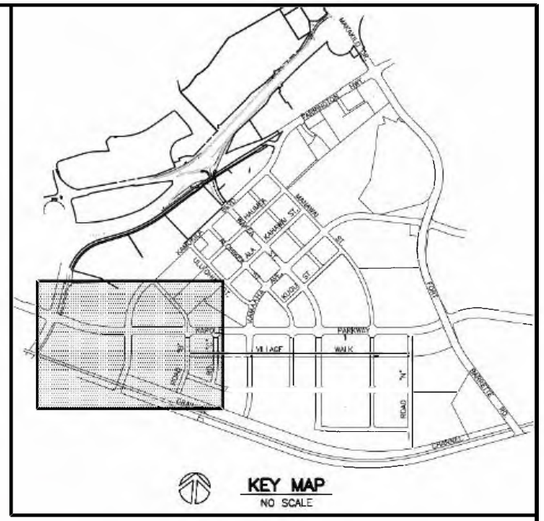
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HYDRAULIC DATA

ITEM	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
PIPE SIZE (RCP)	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"
Q cfs	191.49	182.69	154.26	154.28	133.29	133.12	133.12	133.78	133.31	127.60	123.23	123.35
A ac	71.12	67.86	56.86	56.27	48.01	47.46	47.46	47.20	46.80	44.32	42.58	42.20
ITEM	A13	A14	A38	A39	A40	A41	A42	A43	A44	A45	A46	A47
PIPE SIZE (RCP)	66"	66"	24"	30"	30"	36"	18"	18"	24"	24"	24"	24"
Q cfs	123.33	118.20	1.66	10.44	9.22	50.00	1.11	1.31	21.33	20.00	13.04	12.20
A ac	41.78	39.85	0.39	2.87	2.54	11.00	0.27	0.32	4.71	4.40	3.55	3.32
ITEM	A48	A49	A50	A51	A52	A53	A54	A55	A56	A57	A58	A59
PIPE SIZE (RCP)	18"	18"	18"	18"	18"	18"	18"	24"	24"	18"	24"	24"
Q cfs	0.98	1.27	0.47	0.64	0.85	0.85	0.85	9.20	8.35	0.89	6.17	5.30
A ac	0.24	0.31	0.11	0.15	0.20	0.20	0.20	2.28	2.08	0.21	1.53	1.32
ITEM	A60	A61	A62	A63	A64	A65	A66	A67	A68	A69	A70	A71
PIPE SIZE (RCP)	18"	18"	18"	18"	18"	24"	24"	18"	30"	24"	24"	24"
Q cfs	0.81	0.81	0.89	0.89	0.89	6.97	5.46	0.64	16.89	9.83	8.22	6.68
A ac	0.19	0.19	0.21	0.21	0.21	1.72	1.36	0.15	4.37	2.48	2.06	1.65

ITEM	A72	A73	A74	A75	A76	A77	A78	A79	A80
PIPE SIZE (RCP)	24"	24"	24"	24"	24"	18"	18"	24"	24"
Q cfs	5.78	2.13	1.33	6.25	4.74	0.89	0.89	1.66	1.29
A ac	1.44	0.52	0.33	1.54	1.18	0.21	0.21	0.41	0.32





ITEM	ACRES	Q_{10} (cfs)	ITEM	ACRES	Q_{10} (cfs)
EX. CB-1	0.24	0.98	CB-4HB	0.21	0.89
EX. CB-2	0.31	1.27	CB-5H	0.19	0.81
EX. CB-3	0.31	1.27	CB-5HB	0.19	0.81
EX. CB-4	0.23	0.98	CB-6H	0.21	0.89
EX. CB-5	0.27	1.11	CB-6HB	0.21	0.89
EX. CB-6	0.32	1.31	CB-7H	0.21	0.89
EX. CB-7	0.39	1.66	CB-7HB	0.21	0.89
EX. CB-8	0.33	1.40	CB-5WA	0.19	0.81
CB-1H	0.11	0.47	CB-6WA	0.19	0.81
CB-1HB	0.15	0.64	CB-7WA	0.21	0.89
CB-2H	0.20	0.85	CB-8WA	0.21	0.89
CB-2HB	0.20	0.85	CB-9WA	0.09	0.38
CB-3H	0.20	0.85	CB-10WA	0.21	0.89
CB-3HB	0.20	0.85	CB-11WAB	0.15	0.64
CB-4H	0.21	0.89			

LEGEND:

- DRAIN LINE "A"
- DRAIN LINE
- DRAIN LATERALS

GRAPHIC SCALES
SCALE: 1"=240' (120' 0 120' 240')

Engineering Concepts, Inc
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KAPOLEI CITY
REVISED DRAINAGE MASTER PLAN
KAPOLEI, EWA, OAHU, HAWAII
(PROPOSED PUBLIC STREET)

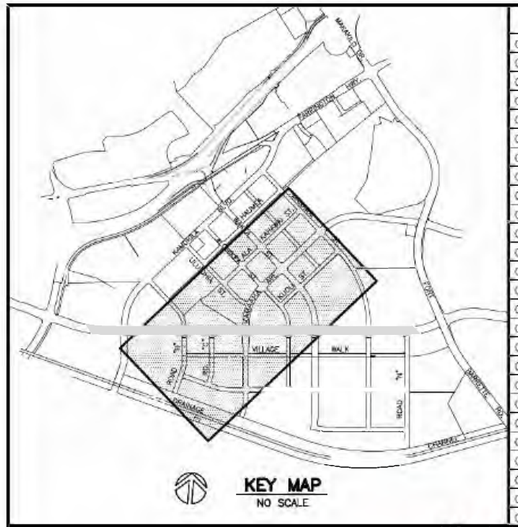
RUNOFF MAP
DRAIN LINE "A"

DRAWN BY LM ENGINEER CA, CH

C1

SHEET 1 OF 2 SHEETS

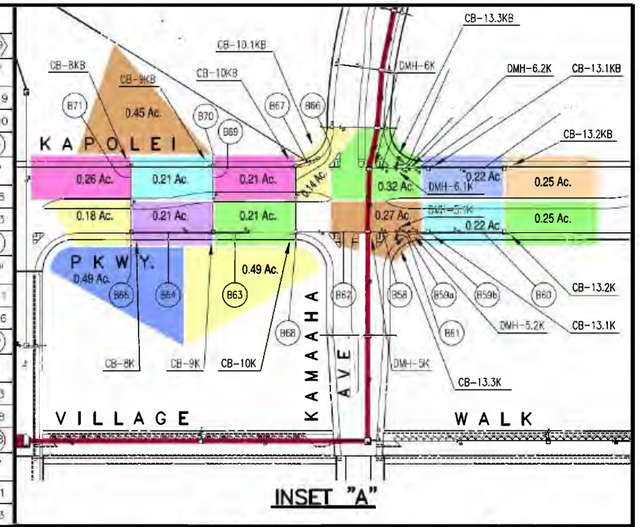
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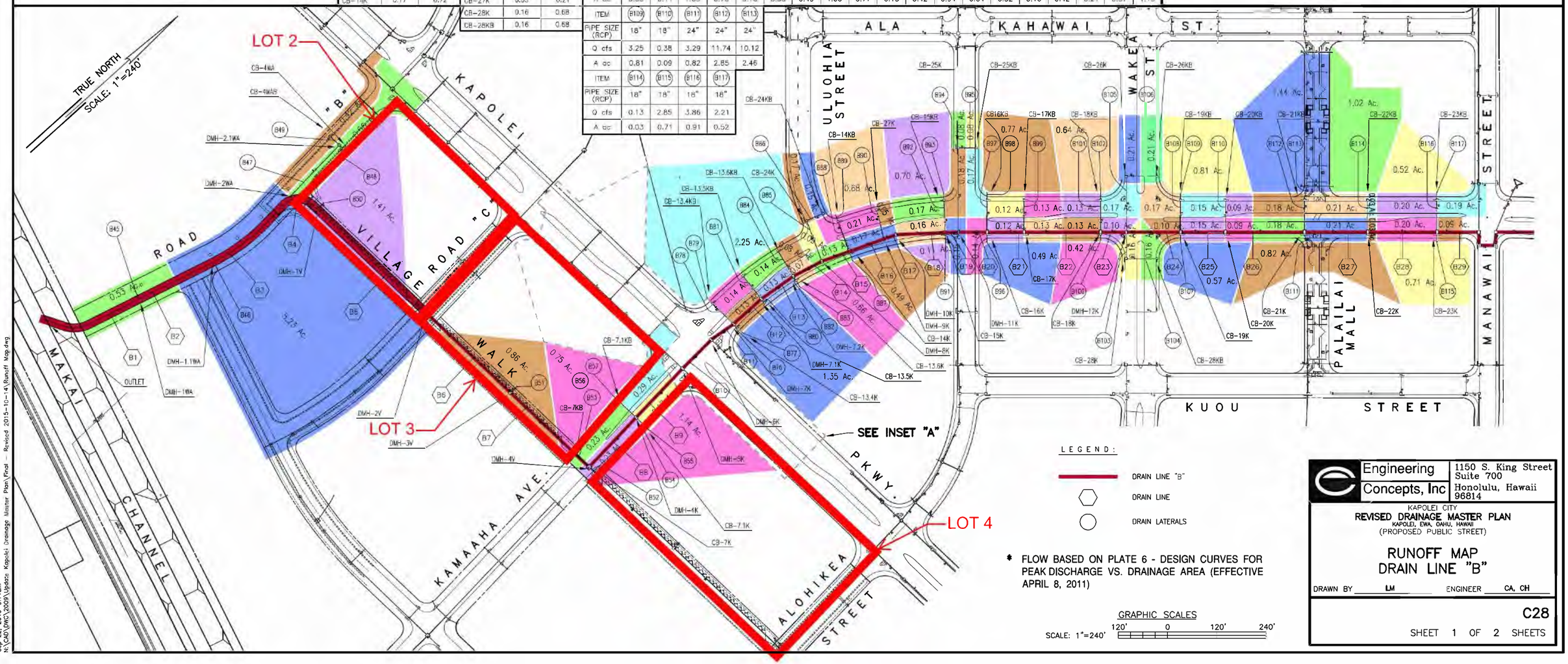


ITEM	ACRES	Q_{10} (cfs)	ITEM	ACRES	Q_{10} (cfs)
CB-4WA	0.56	2.38	CB-14KB	0.21	0.89
CB-4WAB	0.42	1.79	CB-15K	0.31	1.32
CB-7K	0.23	0.98	CB-15KB	0.35	1.49
CB-7KB	0.23	0.98	CB-16K	0.26	1.11
CB-7.1K	0.17	0.72	CB-16KB	0.29	1.23
CB-7.1KB	0.29	1.23	CB-17K	0.13	0.55
CB-8K	0.18	0.77	CB-17KB	0.13	0.55
CB-8KB	0.26	1.11	CB-18K	0.23	0.98
CB-9K	0.21	0.89	CB-18KB	0.30	1.28
CB-9KB	0.21	0.89	CB-19K	0.25	1.06
CB-10K	0.21	0.89	CB-19KB	0.32	1.36
CB-10KB	0.21	0.89	CB-20K	0.09	0.38
CB-10.1KB	0.14	0.60	CB-20KB	0.09	0.38
CB-13.1K	0.22	0.94	CB-21K	0.39	1.66
CB-13.1KB	0.22	0.94	CB-21KB	0.39	1.66
CB-13.2K	0.25	1.06	CB-22K	0.03	0.13
CB-13.2KB	0.25	1.06	CB-22KB	0.03	0.13
CB-13.3K	0.27	1.15	CB-23K	0.29	1.23
CB-13.3KB	0.32	1.36	CB-23KB	0.39	1.66
CB-13.4K	0.13	0.55	CB-24K	0.17	0.72
CB-13.4KB	0.14	0.60	CB-24KB	0.15	0.64
CB-13.5K	0.13	0.55	CB-25K	0.08	0.34
CB-13.5KB	0.14	0.60	CB-25KB	0.08	0.34
CB-13.6K	0.20	0.85	CB-26K	0.21	0.89
CB-13.6KB	0.17	0.72	CB-26KB	0.21	0.89
CB-14K	0.17	0.72	CB-27K	0.05	0.21
			CB-28K	0.16	0.68
			CB-28KB	0.16	0.68

HYDRAULIC DATA

ITEM	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19
PIPE SIZE (RCP)	18"x5'	18"x5'	18"x5'	18"x5'	18"x5'	72"	72"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"
Q cfs	780.00	775.00	760.00	757.00	755.00	253.83	254.17	129.38	124.02	113.82	111.90	101.34	101.48	98.77	98.69	94.75	95.04	95.95	91.19
A ac	169.33	168.80	163.57	162.59	161.18	94.17	93.31	49.19	46.84	43.25	42.46	38.59	38.32	37.29	36.97	35.42	35.37	35.37	33.90
ITEM	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B45	B46	B47	B48	B49	B50	B51	B52	B53
PIPE SIZE (RCP)	66"	66"	66"	66"	66"	60"	60"	60"	60"	60"	18"	36"	24"	18"	18"	24"	24"	18"	18"
Q cfs	91.08	85.65	85.56	80.73	78.56	72.45	72.82	59.59	59.91	53.49	2.25	21.52	4.17	2.38	1.79	5.33	3.25	0.98	0.98
A ac	33.74	31.93	31.67	30.08	29.34	27.39	27.21	23.15	23.09	21.18	0.53	5.23	0.98	0.56	0.42	1.41	0.86	0.23	0.23
ITEM	B54	B55	B56	B57	B58	B59a	B59b	B60	B61	B62	B63	B64	B65	B66	B67	B68	B69	B70	B71
PIPE SIZE (RCP)	24"	24"	24"	24"	18"	18"	18"	18"	18"	30"	24"	24"	18"	18"	18"	18"	18"	18"	18"
Q cfs	5.01	4.31	2.84	4.01	2.68	1.72	1.75	1.06	1.15	10.48	6.88	3.67	1.65	1.47	0.60	1.85	2.69	1.81	1.11
A ac	1.31	1.14	0.75	1.04	0.74	0.47	0.47	0.25	0.27	2.85	1.80	0.93	0.49	0.35	0.14	0.49	0.66	0.45	0.26
ITEM	B72	B73a	B73b	B74	B75	B76	B77	B78	B79	B80	B81	B82	B83	B84	B85	B86	B87	B88	B89
PIPE SIZE (RCP)	18"	18"	18"	18"	18"	18"	18"	24"	24"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
Q cfs	2.86	1.72	1.75	1.06	1.36	5.97	5.42	9.63	9.04	0.55	0.60	3.48	2.65	0.72	1.25	0.64	1.97	3.61	2.73
A ac	0.79	0.47	0.47	0.25	0.32	1.48	1.35	2.39	2.25	0.13	0.14	0.86	0.66	0.17	0.32	0.15	0.49	0.89	0.68
ITEM	B90	B91	B92	B93	B94	B95	B96	B97	B98	B99	B100	B101	B102	B103	B104	B105	B106	B107	B108
PIPE SIZE (RCP)	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
Q cfs	0.21	0.44	4.30	2.81	0.67	0.34	1.97	4.33	3.09	0.55	1.69	3.85	2.57	1.34	0.68	1.76	0.89	2.29	4.61
A ac	0.05	0.11	1.05	0.70	0.16	0.08	0.49	1.06	0.77	0.13	0.42	0.94	0.64	0.32	0.16	0.42	0.21	0.57	1.13
ITEM	B109	B110	B111	B112	B113														
PIPE SIZE (RCP)	18"	18"	24"	24"	24"														
Q cfs	3.25	0.38	3.29	11.74	10.12														
A ac	0.81	0.09	0.82	2.85	2.46														
ITEM	B114	B115	B116	B117															
PIPE SIZE (RCP)	18"	18"	18"	18"															
Q cfs	0.13	2.85	3.86	2.21															
A ac	0.03	0.71	0.91	0.52															





LEGEND:

- DRAIN LINE "B"
- DRAIN LINE
- DRAIN LATERALS

* FLOW BASED ON PLATE 6 - DESIGN CURVES FOR PEAK DISCHARGE VS. DRAINAGE AREA (EFFECTIVE APRIL 8, 2011)

GRAPHIC SCALES
SCALE: 1"=240' 120' 0 120' 240'

Engineering Concepts, Inc
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KAPOLEI CITY
REVISED DRAINAGE MASTER PLAN
KAPOLEI, EWA, OAHU, HAWAII
(PROPOSED PUBLIC STREET)

RUNOFF MAP
DRAIN LINE "B"

DRAWN BY LM ENGINEER CA, CH

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SHEET 1 OF 2 SHEETS

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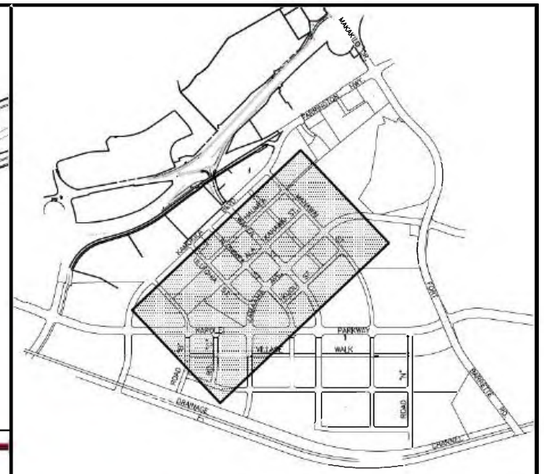
TRUE NORTH
SCALE: 1"=240'

KAMOKILA BLVD.
ULUOHIA ST.
ALOHIKEA ST.
WAKEA ST.
PALAILAI MALL
MANAWAI ST.
HAUMEA ST.
"B" ROAD
KAPOLEI PKWY.
"C" ROAD
VILLAGE WALK
ALA KAHAWAI ST.
KAMAAHA AVE.

LOT 2
LOT 3

EX. CB-D6
EX. CB-D7
EX. CB-D8
EX. DMH-W1
EX. DMH-W2
EX. DMH-1D
DMH-1C
DMH-2C
DMH-2V
DMH-3C
DMH-8WA
DMH-9WA
DMH-10WA
DMH-11WA
DMH-12WA
CB-1C
CB-2C
CB-15WA
CB-15WAB
CB-16WA
CB-16WAB
CB-17WA
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CB-28WA
CB-28WAB
CB-29WA
CB-29WAB
CB-30WA
CB-30WAB
CB-31WA
CB-31WAB

LEGEND:
DRAIN LINE "C"
DRAIN LINE
DRAIN LATERALS



KEY MAP
NO SCALE

ITEM	ACRES	Q_{10}(cfs)	ITEM	ACRES	Q_{10}(cfs)
CB-1C	0.39	1.66	CB-22WA	0.15	0.64
CB-2C	0.42	1.79	CB-22WAB	0.15	0.64
EX. CB-D6	0.71	2.88	CB-23WA	0.11	0.47
EX. CB-D7	0.16	0.68	CB-23WAB	0.11	0.47
EX. CB-D8	0.28	1.19	CB-24WA	0.16	0.68
CB-D9	0.29	1.23	CB-24WAB	0.58	2.38
CB-15WA	0.15	0.64	CB-25WA	0.21	0.89
CB-15WAB	0.15	0.64	CB-25WAB	0.21	0.89
CB-16WA	0.19	0.81	CB-26WA	0.20	0.85
CB-16WAB	0.19	0.81	CB-26WAB	0.20	0.85
CB-17WA	0.18	0.77	CB-27WA	0.18	0.77
CB-17WAB	0.18	0.77	CB-27WAB	0.18	0.77
CB-18WA	0.13	0.55	CB-28WA	0.17	0.73
CB-18WAB	0.13	0.55	CB-28WAB	0.17	0.73
CB-19WA	0.03	0.13	CB-29WA	0.17	0.73
CB-19WAB	0.03	0.13	CB-29WAB	0.17	0.73
CB-20WA	0.13	0.55	CB-30WA	0.18	0.77
CB-20WAB	0.13	0.55	CB-30WAB	0.18	0.77
CB-21WA	0.22	0.94	CB-31WA	0.28	1.19
CB-21WAB	0.22	0.94	CB-31WAB	0.28	1.19

HYDRAULIC DATA

ITEM	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C42	C43	C44	C45
PIPE SIZE (RCP)	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	66"	60"	60"	60"	60"	60"	48"	48"	48"	24"	24"	24"	24"
Q cfs	136.37	133.45	134.90	135.63	127.35	124.85	121.55	121.34	116.76	117.39	116.25	103.62	103.08	101.40	101.22	88.42	88.09	85.94	77.10	74.90	73.39	73.76	73.76	4.49	2.84	4.25	2.53
A ac	57.28	55.05	55.05	55.05	51.81	50.91	49.76	49.47	47.85	47.85	47.47	42.85	42.49	41.73	41.67	37.13	36.87	35.85	32.70	31.87	31.13	31.13	31.13	1.14	0.75	1.09	0.67
ITEM	C46	C47	C48	C49	C50	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	C70	C71	C72
PIPE SIZE (RCP)	15"	24"	12"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	30"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
Q cfs	7.83	5.18	3.61	1.26	0.68	1.23	3.21	2.73	2.09	0.81	6.76	3.35	2.61	2.69	11.65	4.40	2.21	1.37	2.93	3.74	2.85	1.37	0.77	1.00	1.55	1.00	0.12
A ac	1.95	1.29	0.90	0.30	0.16	0.29	0.80	0.67	0.52	0.19	1.68	0.83	0.65	0.67	2.94	1.08	0.54	0.34	0.73	0.92	0.71	0.34	0.18	0.25	0.38	0.25	0.03
ITEM	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C90	C91	C92	C93	C94	C95	C96	C97		
PIPE SIZE (RCP)	18"	18"	18"	18"	30"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	24"	24"	24"	18"	18"	18"	18"		
Q cfs	6.16	3.56	2.41	1.61	11.93	6.57	2.60	1.89	3.15	2.17	1.37	1.81	1.51	0.77	0.55	1.16	2.09	1.16	0.80	11.28	10.64	2.59	0.47	2.38	0.92		
A ac	1.56	0.88	0.60	0.40	2.98	1.62	0.64	0.47	0.78	0.54	0.34	0.85	0.36	0.18	0.13	0.29	0.22	0.29	0.20	2.80	2.65	0.61	0.11	0.58	0.23		

GRAPHIC SCALES
SCALE: 1"=240'
120' 0 120' 240'

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KAPOLEI CITY
REVISED DRAINAGE MASTER PLAN
KAPOLEI, EWA, OAHU, HAWAII
(PROPOSED PUBLIC STREET)

RUNOFF MAP
DRAIN LINE "C"

DRAWN BY LM ENGINEER CA, CH

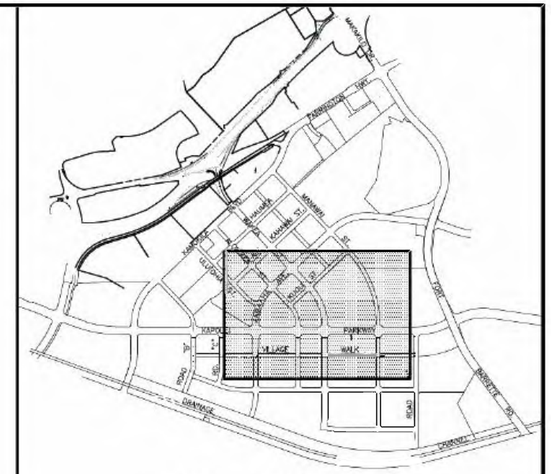
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SHEET 1 OF 2 SHEETS

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TRUE NORTH
SCALE: 1"=240'





HYDRAULIC DATA

ITEM	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14
PIPE SIZE (RCP)	66"	66"	66"	66"	54"	54"	4'x3'	4'x2'	36"	36"	36"	30"	24"	24"
Q cfs	128.62	125.64	94.73	92.35	51.73	43.54	43.92	42.18	40.91	31.26	22.89	10.78	9.21	7.75
A ac	43.66	41.47	30.58	29.31	15.51	12.67	12.67	12.09	11.51	8.43	5.99	2.69	2.28	1.93
ITEM	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28
PIPE SIZE (RCP)	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	18"	18"	24"
Q cfs	8.28	3.89	5.83	3.64	2.19	4.80	2.42	4.84	7.95	6.01	10.74	0.55	0.55	12.37
A ac	2.19	1.03	1.50	0.94	0.58	1.27	0.64	1.23	2.06	1.59	2.84	0.13	0.13	3.08
ITEM	D29	D30	D31	D32										
PIPE SIZE (RCP)	24"	24"	18"	18"										
Q cfs	9.80	13.25	0.25	0.13										
A ac	2.44	3.30	0.06	0.03										

ITEM	ACRES	Q_{10}(cfs)
CB-5.1P	0.45	1.91
CB-5.2P	0.13	0.55
CB-6.1P	0.45	1.91
CB-6.2P	0.13	0.55
CB-7P	0.35	1.49
CB-8P	0.03	0.13
CB-8PB	0.03	0.13
CB-9P	0.35	1.49
CB-10W	0.59	2.51
CB-10WB	0.47	2.00
CB-12E	0.47	2.00
CB-12EB	0.36	1.53

LEGEND:

- DRAIN LINE "D"
- DRAIN LINE
- DRAIN LATERALS

GRAPHIC SCALES
SCALE: 1"=240'
120' 0 120' 240'

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KAPOLEI CITY
REVISED DRAINAGE MASTER PLAN
KAPOLEI, EWA, OAHU, HAWAII
(PROPOSED PUBLIC STREET)

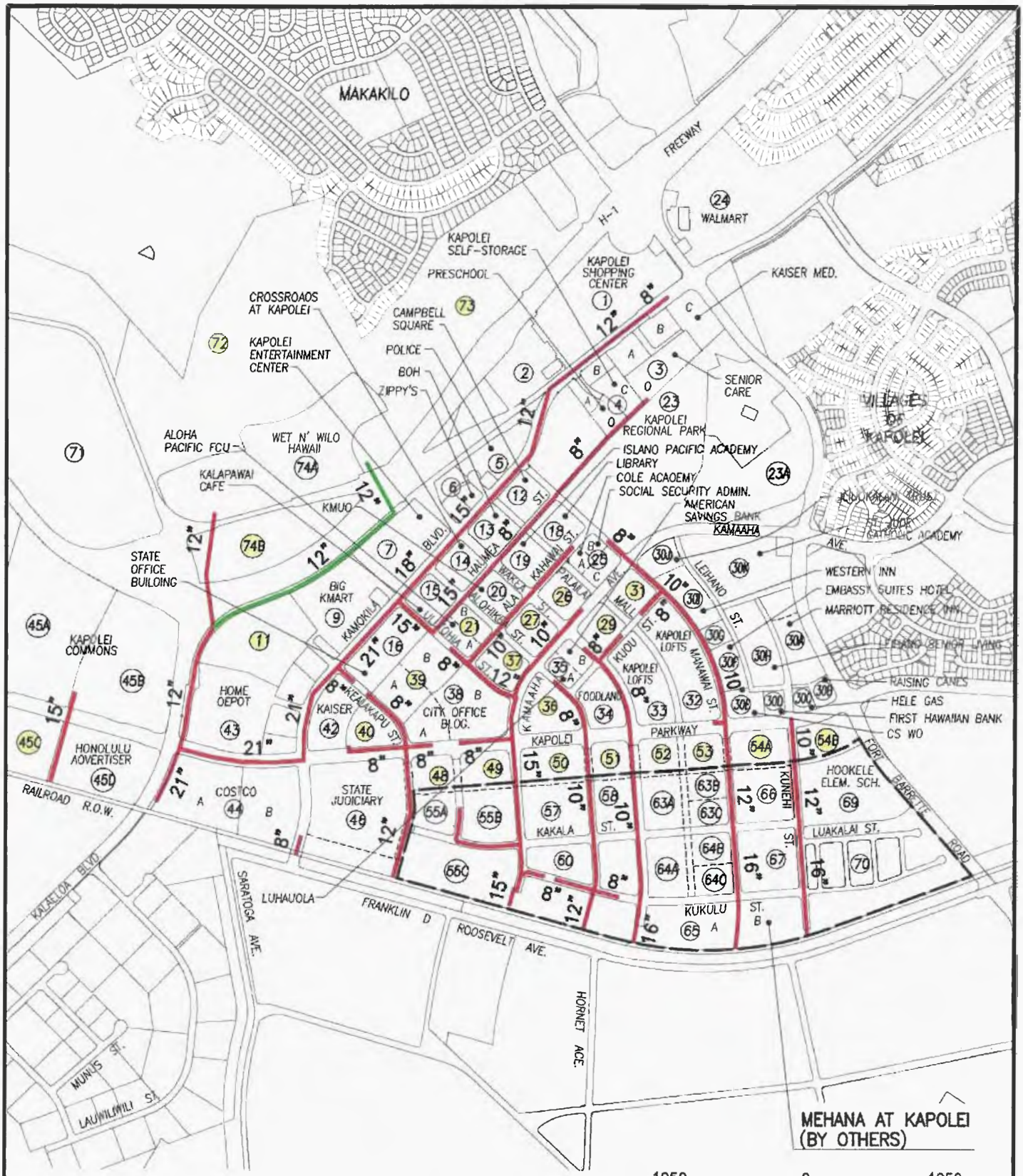
RUNOFF MAP
DRAIN LINE "D"

DRAWN BY LM ENGINEER CA, CH

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SHEET 1 OF 1 SHEETS

Jan 06, 2016-10:02am
N:\CAD\DWG\2009\Update Kapolei Drainage Master Plan\Final - Revised 2015-10-14\Runoff Map.dwg



LEGEND:

- EXIST. SEWER
- PROPOSED SEWER
- (63) UNDEVELOPED PARCEL
- 63 DEVELOPED PARCEL

NORTH

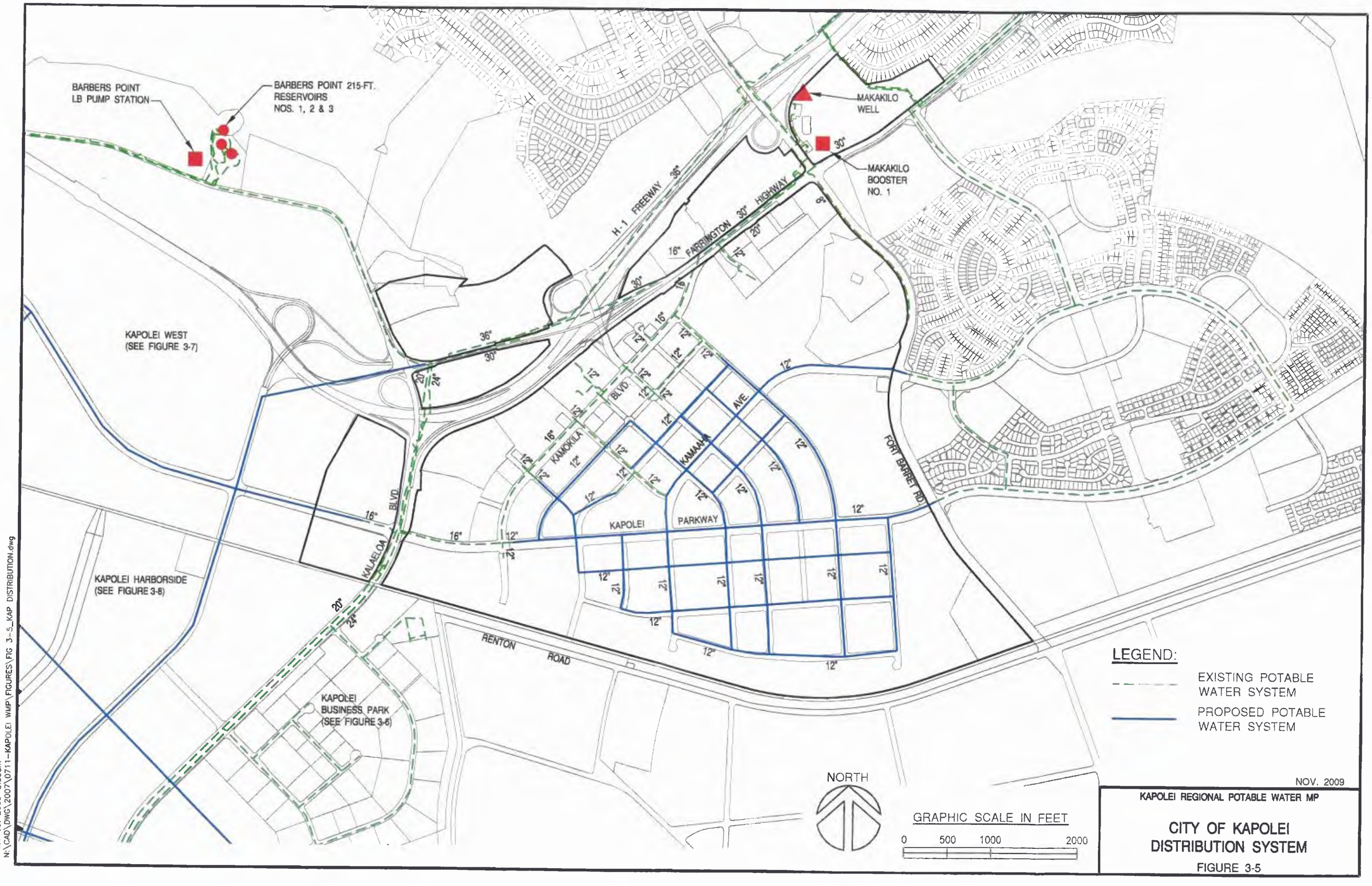
FEBRUARY 2024

CITY OF KAPOLEI
REVISED SEWER MASTER PLAN

EXISTING/PROPOSED ONSITE IMPROVEMENTS

FIGURE 2

Feb 06, 2024-2:50pm
\\ECI-FILE3\Data\CAD\DWG\1997\9702\Revised Sewer Master Plan\fig-2 (Feb 2024).dwg



Nov 06, 2009 - 8:50am
N:\CAD\DWG\2007\0711-KAPOLEI WMP\FIGURES\FIG 3-5_KAP DISTRIBUTION.dwg

BOARD OF WATER SUPPLY
KA 'OIHANA WAI
CITY AND COUNTY OF HONOLULU

630 SOUTH BERETANIA STREET • HONOLULU, HAWAI'I 96843
Phone: (808) 748-5000 • boardofwatersupply.com

RICK BLANGIARDI
MAYOR
MEIA

ERNEST Y. W. LAU, P.E.
MANAGER AND CHIEF ENGINEER
MANAKIA A ME KAHU WILIKĪ

ERWIN KAWATA
DEPUTY MANAGER
HOPE MANAKIA

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EDWIN H. SNIFFEN, Ex-Officio
GENE C. ALBANO, P.E., Ex-Officio

November 6, 2025

Mr. Tsung-I Liao
R. M. Towill Corporation
2024 North King Street, Suite 200
Honolulu, Hawai'i 96819

Dear Mr. Liao:

Subject: Your Email Dated October 3, 2025, Regarding Availability of Water for Housing Development Project on Kapolei Parkway, Tax Map Key: 9-1-160: 064

Thank you for your letter regarding the proposed 808-unit housing project.

The existing water system is adequate to accommodate the proposed housing development. However, please be advised that this information is based upon current data, and therefore, the Board of Water Supply (BWS) reserves the right to change any position or information stated herein up until the final approval of the building permit application. The final decision on the availability of water will be confirmed when the building permit application is submitted for approval.

The proposed project is located within Lots 21, 22, and 23 of James Campbell Estate's property, which has a potable water allocation credit. Therefore, the applicant will be required to obtain a water allocation letter from James Campbell Company LLC and submit it to the BWS for our review and recording purposes.

Water conservation measures are required for all proposed developments. These measures include utilization of on-site graywater reuse in accordance with Hawai'i State Department of Health guidelines, rain catchment for nonpotable uses, stormwater capture, and the use of Water Sense labeled ultra-low flow water fixtures and toilets. Landscape elements should incorporate green infrastructure design, drought tolerant plants, xeriscaping, rain catchment, efficient irrigation systems such as a drip system and moisture sensors, and other Water Sense labeled fixtures and devices

Consistent with Act 170, 2016 (H.B. 1749), the developer of City-owned land projects will be required to utilize reclaimed water for uses other than drinking and potable water demands of the proposed project. The development is in close proximity to the BWS Recycled Water System, and a connection is available along Kapolei Parkway. Thus, nonpotable water in the form of recycled water, designated R-1, must be used and the BWS agrees to provide R-1 recycled water to the development.

The availability of recycled water will be confirmed when the Recycled Water Service Agreement (RWSA) between the BWS and the user is executed, and construction plans have been approved by the BWS. BWS reserves the right to change any position or information stated herein up until the execution of the RWSA and approval of the construction plans. When recycled water is made available the user shall be required to pay any applicable costs for its use.

In order to use recycled water, the user shall comply with Chapter 11-62, Hawaii Administrative Rules, Wastewater Systems. The user shall be required to prepare and submit to the Department of Health (DOH) Wastewater Branch a recycled water application form found in Appendix C of the DOH Volume 2 of the Reuse Guidelines (Guidelines) dated January 2016. The user shall be responsible for any permitting, training, and on-site improvements, and any associated costs, as may be required by the DOH. The delivery of recycled water is contingent on the user obtaining DOH approval to use recycled water at the subject project and submitting a copy of the DOH approval to BWS. Once the application is reviewed and deemed satisfactory, the DOH will issue an approval to construct. The user must send the approval to construct letter to BWS before the plans can be approved.

A water meter will be required for recycled water service. Meter sizing and installation shall be coordinated with the BWS as described in the RWSA. If applicable, the user shall be responsible for obtaining the necessary easements, permits, and clearances and preparing any construction plans for the connection to the BWS recycled water system.

The BWS R-1 Effluent system utilizes a variable speed pumping system with no elevated storage reservoirs at this time. Therefore, pump running times and water pressures will vary depending on climate, water demand, and efficient pumping operation strategies and time of day. The Customer shall be placed on a time schedule, usually at night, and shall make reasonable accommodations to allow for a defined range of system pressures. A receiving tank and booster pump may be required to supply adequate pressures to the irrigation system; however, this should be verified with the BWS.

Reduced pressure principle backflow prevention assemblies are required on all potable water services that serve parcels with separate nonpotable water services.

Consistent with the Hawai'i State Plumbing Code, projects that install quick-acting valves shall include water hammer arresters to minimize pressure transients that may damage private plumbing and adversely affect the BWS distribution system. Proper design and installation are the responsibility of the developer.

The construction drawings should be submitted for our approval, and the construction schedule should be coordinated to minimize impact to the water system.

For the request for deferral of Water System Facilities Charges (WSFC) until the Certificate of Occupancy is obtained pursuant to Section 201-H, HRS, please coordinate with Garon Hamasaki, Service Engineering Branch of our Customer Care Division, at (808) 748-5472.

The BWS may waive the WSFC and new meter cost for qualified on-site affordable and homeless dwelling units, up to 500 dwelling units per year. The waivers will be evaluated when the building permit is submitted for approval. To qualify, the dwelling units must be certified as either affordable or homeless dwelling units by the appropriate agency of the City and County of Honolulu. Waiver of the WSFC will apply only to fixture units associated with the certified dwelling units. The amount of the meter waiver shall be calculated as a percentage of the number of certified dwelling units to the total number of dwelling units in the project. If the annual cap of 500 dwelling units has not been reached and a project is proposed that would qualify for more than the remaining number of dwelling units in that year, the Manager and Chief Engineer has the discretion to increase that year's limit.

The BWS has suspended fire flow tests on fire hydrants as a water conservation measure. However, you may use the following calculated flow data for Fire Hydrant Nos. L07331, L07601, L07654, L07717, & L07648:

Fire Hydrant Number	Location	Static Pressure (psi)	Residual Pressure (psi)	Flow (gpm)
L07331	Kapolei Parkway	71	55	2,000
L07601	Wākea Street	67	49	2,000
L07654	Kamaaha Avenue	70	53	2,000
L07717	Kauwela Street	69	47	2,000
L07648	Alohikea Street	70	50	2,000

The data is based on the existing water system, and the static pressure represents the theoretical pressure at the point of calculation with the reservoir full and no demands on the water system. The static pressure is not indicative of the actual pressure in the field. Therefore, to determine the flows that are available to the site, you will have to determine the actual field pressure by taking on-site pressure readings at various times of the day and correlating that field data with the above hydraulic design data.

The map showing the locations of the fire hydrants is attached.

The on-site fire protection requirements should be coordinated with the Fire Prevention Bureau of the Honolulu Fire Department.

If you have any questions, please contact Daniel Koge, Project Review Branch of our Water Resources Division, at (808) 748-5444.

Very truly yours,

ERNEST Y. W. LAU, P.E.
Manager and Chief Engineer

Attachment


ATTACHMENT
KAOKEA ST
KAUMEA ST
ULUOHIA ST
ALA KAHAWAI
ALOHIKEA ST
KAMAAHA AVE
WAKEA ST
KUQUA ST
EWA 215
MAHAWAI
KAPOLEI
KAPOLEI PKWY
L07331
Kapolei Pkwy.
9-1-160-064
Lots 2 and 3
Lot 4
Lot 5
L07654
L07601
L07717
L07648
Kamaaha Ave.
Alohikea St.
Wakea St.
Kauwela St.
Kakala St.
EWA 215
HONOULIULI
RENTON RD ST
FRANKLIN D ROOSEVELT AVE

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING & PERMITTING
650 South King Street, Honolulu, Hawaii 96813

SITE DEVELOPMENT DIVISION MASTER APPLICATION FORM

All required documents and fees must accompany this application form. Please visit www.honoluludpp.org for applicable procedures and fees under the menu heading Application & Forms, Site Engineering and Subdivision Permits. Electronic submittal of permit applications and other permit-related documents constitutes agreement by the applicant or authorized representative to transact business electronically with this department, in accordance with HRS Chapter 489E.

I. PERMIT | VARIANCE | APPROVAL

Check one or more as appropriate:

- ☐ Grading
- ☐ Grubbing
- ☐ Stockpiling
- ☐ Trenching
- ☑ Sewer Connection
- ☐ Flood Hazard Variance
- ☐ Flood Determination
- ☐ Floodway Permit
- ☐ Flood Map Revision
- ☐ Subdivision, Easement Consolidation
- ☐ Park Dedication
- ☐ Lot Determination
- ☐ Ag. Site Development

Complete Sections I, II, III and all other sections as possible

II. LOT AND LAND USE INFORMATION

TAX MAP KEY(S): 91160064:0000 Lot Area: 1,2221032 sq.ft. sq.ft./ac.

Zoning District: BMX-3 Development Plan Designation: _____ State Land Use District: Urban

Street Address/Location of Property: 91-683 Wakea St

Present Use of Property/Building: Undeveloped

Project Name (if any): TBD

Request/Proposal (describe the nature of the request, proposed activity or project): Residential development for the City.

III. APPLICANT INFORMATION

	Owner/Developer	Engineer/Architect	Contractor (or Agent for Subdivision apps only)
Name (& title)	Kobayashi Group	R.M. Twoill Corporation	
Mailing Address	1288 Ala Moana Blvd #201	2024 N. King Street Suite 200	
	Honolulu HI 96814	Honolulu HI 96819	
	City State Zip	City State Zip	City State Zip
Phone Number(s)	808-524-1508	808-842-1133	
Email Address		jettb@rmtowill.com	

APPLICANT: Jett Bernal (Print NAME of applicant) | Engineer (Print TITLE of applicant) | Signature of applicant

IV. FOR GRADING/GRUBBING/STOCKPILING INFORMATION ONLY

Estimated Dates: Start: _____ Completion: _____

Area of work (sf or acres): _____

Disturbed area (sf or acres): _____

Estimated Quantity (cy): Cut: _____ Fill: _____

Borrow Material: _____

Borrow Site: _____

Disposal Material: _____

Disposal Site: _____

V. AUTHORIZED AGENT

This statement of authorization is used in reference to the information provided for in sections I, II and III above.

I/We, _____ (Print NAME and TITLE of person **giving authority**), hereby authorize _____ (Print NAME of person **receiving authority (Authorized Agent)**)

to act in my/our behalf in obtaining/closing the Grading/Grubbing/Stockpiling/Trenching permit for the project.

_____ **Signature of Owner/Developer giving authority** _____ **Date**

FOR DIVISION USE ONLY:

Grading Permit No.: _____ Application No.: _____

Trenching Permit No.: _____ Date of Application: _____

Received By: _____

SEE REVERSE FOR APPLICATIONS FOR TRENCHING AND SEWER CONNECTION

rev. 07/2020

SITE DEVELOPMENT DIVISION MASTER APPLICATION FORM

(REVERSE SIDE)

VI. FOR TRENCHING INFORMATION ONLY

Tax Map Key(s): 91160064:0000

Work to be performed for: _____ Work to be done: ☐ Service Connection ☐ Repair ☐ Borings

Estimated Dates: Start: _____ Completion: _____ Other: _____

Estimated Value of work: $ _____ Dimensions: _____ ft/in (length) _____ ft/in (width) _____ ft/in (depth)

in the city right - of - way

AGENCY CLEARANCES	SIGNATURE	DATE	ADDRESS	PHONE NO.
DPP, Wastewater Branch			650 So. King St., FMB, 1st Flr.	768-8210
DTS, Traffic Signal			650 So. King St., FMB, 2nd Flr.	768-8388
DDC, Street Lightning			650 So. King St., FMB, 11th Flr.	768-8431
BWS, Customer Care			630 So. Beretania St., 1st Flr.	748-5460
Hawaiian Electric Co., Inc., Construction Installation			820 Ward Avenue, 4th Flr. bryan.yonaha@hawaiianelectric.com	543-5654
Hawaiian Telcom, Excavation			1177 Bishop St., Lobby	546-7746
Gasco., Inc., Maps & Records			515 Kamakee St., 1st Flr.	594-5575
Spectrum, Engineering & Construction			200 Akamainui St. haw.engineering.research@charter.com	625-8443
DFM, Division of Road Maintenance (if trenching 200 linear feet or more)			99-999 Iwaena Street, #214	484-7695

DPP: Dept. of Planning and Permitting DTS: Dept. of Transportation Services DDC: Dept. of Design and Construction BWS: Board of Water Supply DFM: Dept. of Facility Maintenance

Note to agencies providing clearances: Signature on this form may be reproduced (scanned and emailed) and submitted electronically for permiting purposes in accordance with HRS Chapter 489E. Original wet Signatures may be retained by the applicant(s).

Note to the applicants receiving clearances: The utilities listed above may not represent all underground utilities located within City rights-of-ways, nor do their utility clearances relieve the permittee from complying with all other applicable codes, rules, regulations, and/or permit procedures including, but not limited to, additional clearances and requirements for other utilities (i.e. irrigation, data transmission, etc.) located within City rights-of-ways. Pursuant to ROH 1990, Section 14-17.6, the permittee shall indemnify and save harmless the city for any injuries or damages to any person or property received or sustained by any person as a consequence of any act or acts of the permitee on work done under the trenching permit.

VII. FOR SEWER CONNECTION INFORMATION ONLY

To receive a response via e-mail,provide email address below and check box here: ☐

☑ Residential: No. of Proposed Units 166 (Provide breakdown below)

_____ Studios 69 1 Bedroom 71 2 Bedrooms 13 3 Bedrooms 13 4 Bedrooms _____ Other

☐ Non-Residential: (See attached sewer table for required category and quantity and provide any additional information in the remarks)

CATEGORY(IES)	QUANTITY(IES)	NEW WATER METER SIZE(S)

Date of Connection: TBD (approximate)

Connection Work Desired: ☑ Use Existing Lateral ☐ Other

Dimensions: _____ ft. (length) _____ in. (size) _____ ft. (depth)

Connect to existing sewerline along Wakea St. or Alohikea St.

Existing Structures/Dwellings on Property: (Provide breakdown below)

TYPE (i.e. Single Family)	QUANTITY(IES)	REMAIN	DEMOLISH

Remarks: (Provide any additional information on the lines provided) *To receive a response via e-mail,provide email address below and check box here:* ☐

FOR DIVISION USE ONLY:

Date of Application: _____ Received By: _____ Application No.: _____

rev. 07/2020

SEWER TABLE

This table is used for required category and quantity for non-residential connections. (See sect. V1 "Sewer Connection Information Only" of the Site Development Master Application form).

TAX MAP KEY(S) _____

CATEGORY	UNITS	QUANTITY
Animal Clinic	Employees	
Aquarium	Employees	
Auto Repair	Employees	
Bakery	Employees	
Banks	Employees	
Bowling Alley	Employees	
Car Dealership	Employees	
Car Wash	Employees	
Caterers	Employees	
Church	Employees	
Commercial (Misc.)	Sq. Ft. of Floor Space	
Commercial Kennel	Employees	
Convent	Sisters	
Day Care, Pre-School	Children	
Delicatessen	Employees	
Dental Clinic	Employees	
Dentist's Office	Employees	
District Park	Employees	
Doctor's Office	Employees	
Dormitory	Rooms	
Drinking Establishment	Employees	
Dry Cleaning	gpd *	
Elementary School	Students	
Eye Glass Manufacturing	Employees	
Fast Foods	Employees	
Fire Station	Employees	
Florist	Employees	
General Industry (Misc.)	Sq. Ft. of Floor Space	
Golf Course w/Clubhouse	Employees	
Government Offices	Employees	
Grocery Store	Employees	
Half-way House	Employees and Beds	
Health Spa	Employees	
High Schools	Students	
Hospital	Beds	
Hostel	Rooms	
Hotel	Rooms	
Hotel Development	Acres	
Intermediate Schools	Students	
Jewelry Manufacturing	Employees	
Laundromats	Machines	
Library	Employees	

CATEGORY	UNITS	QUANTITY
Meat Processing	gpd*	
Medical Clinic	Employees	
Military	gpd*	
Milk Processing	gpd*	
Mortuaries	Employees	
Motel	Rooms	
Museum	Employees	
Newspaper Agencies	Employees	
Noodle Factory	Employees	
Nursery	Employees	
Nursing, Convalescent Home	Employees and Beds	
Office Building	Employees	
Park w/ comfort station only	Employees	
Parking Structure	Employees	
Personal Services	Employees	
Photo Finishers	Employees	
Photo Processing	Employees	
Pineapple Processing	gpd*	
Police Station	Employees	
Potato Chip Manufacturing	gpd*	
Poultry Processing	gpd*	
Prison	Prisoners	
Private Clubs	Employees	
Residential Care Home	Employees and Beds	
Resort Condo	Rooms	
Restaurant	Seats per day	
Retail	Sq. Ft. of Retail Floor Space	
Rooming House	Rooms	
Schools (other)	Students	
Service Station	Employees	
Shopping Center	Sq. Ft. of Retail Floor Space	
Soy Bean Factory	gpd*	
Sports Arena	gpd*	
Stadium	gpd*	
Sugar Processing	gpd*	
Supermarket	Employees	
Theater	Seats per day	
Tofu Factory	gpd*	
Warehouse	Employees	
YMCA (Lodging)	Rooms	
Zoo	Employees	

**gpd = gallons per day*

FOR DIVISION USE ONLY:

Date of Application: _____ Received By: _____ Application No.: _____

Appendix 7

Phase I Environmental Site Assessment and Phase II Surface Soil Investigation by Ford & Associates, Inc., December 2025

FORD & ASSOCIATES, INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS

Phase I Environmental Site Assessment
and
Phase II Surface Soil Investigation

Undeveloped Lots 2 Through 5 Kapolei Parkway Property
Located at
Tax Map Key No. (TMK): (1) 9-1-160: Parcel 064 (Portion)
Kapolei, Oahu, Hawaii

FAI Project No. 25-2611

December 19, 2025

Prepared for:

Kobayashi Group, LLC
1288 Ala Moana Boulevard, Suite 201
Honolulu, Hawaii 96814

Prepared by:

Ford & Associates, Inc.
928 Nuuanu Avenue, Suite 505
Honolulu, Hawaii 96817
808.426.6927

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LIST OF ACRONYMS

ACM	Asbestos-Containing Materials
AOC	Area of Concern
AST	Aboveground storage tanks
ASTM	ASTM International
AULs	Activity and Use Limitations
bgs	Below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COPC	Chemicals of Potential Concern
DFM	Department of Facility Maintenance
DLNR	State of Hawaii, Department of Land and Natural Resources
DOD	Department of Defense Sites
DPP	Department of Planning and Permitting
DU	Decision Unit
EAL	Environmental Action Level
EDR	Environmental Data Resources, Inc.
E MANIFEST	Hazardous Waste Electronic Manifest System
ESA	Environmental Site Assessment
FAI	Ford & Associates, Inc.
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FUDS	Formerly Used Defense Sites
HDOH	State of Hawaii Department of Health
HEER	Hazard Evaluation and Emergency Response
HFD	Honolulu Fire Department
HUD	Housing and Urban Development
HWP	Hazardous Waste Program
LBP	Lead-Based Paint
LUST	Leaking underground storage tank
MI	Multi-increment
mg/L	Milligrams per Liter
mg/kg	Milligrams per kilogram
NESHAPS	National Emissions Standards for Hazardous Air Pollutants
OSHA	Occupational Safety and Health Administration
PCBs	Polychlorinated Biphenyls
PFAS FEDERAL SITES	Federal Sites Per- and Polyfluoroalkyl Substances Information
RCRA	Resource Conservation and Recovery Act
RCRA-SQG	RCRA Small Quantity Generator
RCRA-VSQG	RCRA Very Small Quantity Generator
ROD	Record of Decision
SHWB	Solid and Hazardous Waste Branch
SHWS	State Hazardous Waste Sites
TMK	Tax Map Key

UIC	Underground Injection Control
U.S.C.	United States Code
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground storage tank
VEC	Vapor Encroachment Condition
VES	Vapor Encroachment Screen

EXECUTIVE SUMMARY

Kobayashi Group, LLC (Kobayashi Group) retained Ford & Associates, Inc. (FAI) to conduct a Phase I Environmental Site Assessment (Phase I ESA or assessment) and Phase II surface soil investigation for the undeveloped Lots 2 through 5 Kapolei Parkway property located on a portion of Tax Map Key number (TMK): (1) 9-1-160: Parcel 064 in Kapolei, Oahu, Hawaii (the "subject property"). The objective of the Phase I ESA was to provide an independent, professional opinion regarding recognized environmental conditions, as defined by ASTM International (ASTM), associated with the subject property. This Phase I ESA was requested in association with a lease.

FAI performed this Phase I ESA under the conditions of, and in accordance with, Proposal Number 25P-3802, dated September 24, 2025, and ASTM International Practice E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* as a guideline. Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.

The subject property is comprised of four contiguous land lots and the three roadway easements between the lots, covering a combined area of approximately 15.2 acres. The subject property is located along the south side of Kapolei Parkway, on a portion of TMK: (1) 9-1-160: Parcel 064 in Kapolei, Oahu, Hawaii, in a recently developed commercial and residential setting. The subject property is currently undeveloped and was recently cleared of vegetation for planned residential development. Each lot was generally sloped down toward the center, and were observed with various drainage features, including concrete culverts, drainageways, storm drains, and a drainage swale.

The City and County of Honolulu Department of Planning and Permitting (DPP) database lists the subject property as a portion of the land parcel designated as TMK: (1) 9-1-160: Parcel 064. The DPP database indicates that the subject property is currently zoned "BMX-3 Community Business Mixed Use," and the State Land Use designation is "Urban District." The City and County of Honolulu Real Property Assessment Division database lists the Property Class as "Commercial."

The historical research presented in this assessment has established the use of the subject property since 1928. In addition, information on historic uses of adjoining properties was obtained. A chronological summary of the historic uses of the subject and adjoining properties is presented below.

On the earliest available topographic map, from 1928, the subject property is shown as an undeveloped area of land that is part of the Honouliuli region of west Oahu. The aerial photographs dated from 1951 to 1992 show the subject property and adjoining areas as agricultural land for sugar cane cultivation. An unimproved roadway (cane haul road) transects the central portion in a roughly north-south direction. The aerial photographs dated from 2001 to 2008 show the subject property and adjoining areas as vacant land with low-lying vegetation that does not appear as agricultural crops. The aerial photographs dated from 2011 to 2014 appear similar, and show the eastern half of the subject property covered with sand and cleared of vegetation. A portion of the current Kapolei Parkway appears along the north side of the eastern portion of the subject property on these photographs. The most recent aerial photographs, dated from 2017 to 2025, show the subject property as partially vegetated, undeveloped land, much as it appeared during FAI's recent site visit.

Available records at the City and County of Honolulu Real Property Tax Office indicate that the subject property is designated as a portion of TMK: (1) 9-1-160: Parcel 064, which was subdivided from larger land parcels over the years. The earliest available records indicate the land was owned by the James Campbell Trust Estate and leased to the Ewa Plantation Company in 1940. Ewa Plantation Company merged into Ewa Sugar Company, Inc. in 1968, and their lease was assigned to Oahu Sugar Company, Ltd. in 1970. The land was deeded to Kapolei Property Development LLC in 2006, and then to the City and County of Honolulu in 2010. The current land parcel was created in 2023 with no change in ownership.

This Assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps, as defined by ASTM, in connection with the subject property.

The only environmental condition identified at the subject property is the past use of agricultural chemicals such as herbicides and pesticides when the area was used to grow sugar cane crops. The State of Hawaii Department of Health (HDOH) *Technical Guidance Manual for the Implementation of the State Contingency Plan Interim Final,* dated 2023, recommends that sites where pesticides were regularly applied be evaluated for residual contamination prior to re-development. Based on the known past use of the subject property as agricultural land, Kobayashi Group retained FAI to conduct a Phase II soil investigation in conjunction with this Phase I ESA to address potential soil impacts from historical pesticide/herbicide use.

During the Phase II investigation, FAI established five Decision Units (DUs) across the subject property and collected five multi-increment (MI) soil samples from the DUs, from a depth of zero to three inches below ground surface (bgs). Duplicate and triplicate MI soil samples were also collected from one of the DUs (DU-1). The samples were submitted to a qualified analytical laboratory and were analyzed for: (1) Arsenic using Environmental Protection Agency (EPA) Method 6020B/3050B; and (2) Organochlorine Pesticides using EPA Method 8081B/3550C.

Based on the laboratory results, Arsenic was detected in all seven samples (primary, duplicate, and triplicate) at concentrations ranging between 4.2 and 22 milligrams per kilogram (mg/kg), which are below the Unrestricted (residential) Environmental Action Level (EAL) for Arsenic of 24 mg/kg. Dieldrin was detected in four samples at concentrations ranging between 0.0027 and 0.0085 mg/kg, which are below the Unrestricted (residential) Tier 1 EAL of 2.5 mg/kg. g-Chlordane was detected in one sample and a-Chlordane was detected in one sample at concentrations of 0.0060 and 0.0061, respectively, which are below the Unrestricted (residential) Tier 1 EAL of 17 mg/kg. The remaining Organochlorine Pesticides were not detected above the laboratory reporting limits. Therefore, no further investigation regarding the past agricultural use of the subject property is recommended.

1.0 INTRODUCTION

Kobayashi Group, LLC (Kobayashi Group) retained Ford & Associates, Inc. (FAI) to conduct a Phase I Environmental Site Assessment (Phase I ESA or assessment) and Phase II surface soil investigation for the undeveloped Lots 2 through 5 Kapolei Parkway property located on a portion of Tax Map Key number (TMK): (1) 9-1-160: Parcel 064 in Kapolei, Oahu, Hawaii (the "subject property"). The objective of the Phase I ESA was to provide an independent, professional opinion regarding recognized environmental conditions, as defined by ASTM International (ASTM), associated with the subject property. This Phase I ESA was requested in association with a lease.

1.1 PURPOSE

The purpose of the assessment is to follow ASTM Practice E1527-21 (ASTM E1527-21), which defines good commercial and customary practice in the United States of America for conducting an environmental assessment 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.C. [United States Code] § 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 all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary standards and practices as defined at 42 U.S.C. § 9601(35)(B).

The primary purpose of the Phase I ESA is to identify: (1) recognized environmental conditions; (2) controlled recognized environmental conditions; and/or (3) historical recognized environmental conditions. These terms are summarized as follows:

- The term "recognized environmental condition" means the presence or likely presence of any hazardous substances or petroleum products in, on, or at the subject property: (1) due to a release to the environment; (2) due to a release or likely release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are those conditions, related to a release, that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A *de minimis* condition is not a recognized environmental condition nor a controlled recognized environmental condition.

- The term "controlled recognized environmental condition" means 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 implementation of required controls (for example, activity and use limitations, or other property use limitations).

- The term "historical recognized environmental condition" means 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 (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.

1.2 SCOPE OF WORK

FAI performed this Phase I ESA under the conditions of, and in accordance with FAI Proposal Number 25P-3802, dated September 24, 2025, and ASTM Practice E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* as a guideline. ASTM Practice E 1527-21 constitutes "all appropriate inquiry (AAI)" into the previous ownership and uses of a property consistent with "good commercial and customary standards and practices" as defined at 42 U.S.C. §9601(35)(B). This practice also permits the user to satisfy one of the requirements to qualify for "LLPs" under CERCLA.

This assessment included the following components:

- Investigated historical use(s) of the subject property and adjacent/adjoining properties through reasonably ascertainable historical information, such as aerial photographs, fire insurance maps, land use maps, city directories, and/or agency records for evidence of prior land use that could have led to recognized environmental conditions.

- Reviewed available information on general geology and topography of the subject property, local groundwater conditions, sources of water, power, and sewer, and proximity to ecologically sensitive receptors, such as streams, that might be impacted by recognized environmental conditions, controlled recognized environmental condition, and environmental issues.

- Reviewed environmental records available from the property owner, current lessee, or site contact including regulatory agency reports, permits, registrations, and consultants' reports for evidence of recognized environmental conditions and activity and use limitations (AULs).

- Interviewed, or attempt to interview, the subject property owner, current lessee, current lessee's operations personnel, key site personnel, and others, regarding current and previous uses of the property, particularly activities involving hazardous substances and petroleum products.

- Conducted an onsite reconnaissance of the subject property for visual evidence of recognized environmental conditions and controlled recognized environmental conditions, including:

    - Existing or potential soil and water contamination, as evidenced by soil or pavement staining or discoloration, stressed vegetation, or indications of waste dumping or burial

    - Pits, ponds, or lagoons

- Containers of hazardous substances or petroleum products
- Electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and hydraulic hoists
- Underground and aboveground storage tanks (USTs and ASTs, respectively)

- Performed a site property line visual assessment of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- Reviewed a commercial database summary of federal and state and tribal regulatory agency records pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property.
- As part of the Phase I ESA, conducted Vapor Encroachment Screening to assess the potential for chemical and petroleum hydrocarbon vapor impacts to the subject property from onsite and offsite sources, in accordance with the ASTM E2600-22 Standard.
- Prepared this written report, including our findings and conclusions.

This Phase I ESA did not include any sampling and/or analysis of suspect ACM, paints, or groundwater; however, soil sampling for organochlorine pesticides and arsenic was performed as part of the evaluation.

FAI representatives Ms. Leah Ford, Environmental Scientist, Environmental Scientist, and Mr. Liam Felix, Geologist, under the supervision of Mr. Tim Swartz, Senior Project Manager and Environmental Professional as defined in §312.10 of 40 Code of Federal Regulations (CFR) 312 (see Section 11.0), conducted the site walkthrough portion of the assessment on November 13, 2025, unaccompanied.

Copies of selected relevant documents and supporting information are included in the applicable appendices. Resumes for assessors and Environmental Professionals involved in this assessment are included in Appendix A. The Subject Property Location Map and Subject Property Vicinity Maps are included behind the *Figures* Tab. Photographs taken at the time of the walkthrough are included behind the *Photographs* Tab.

1.3 LIMITING CONDITIONS AND EXCEPTIONS OF THE ASSESSMENT

Information obtained for this Assessment from sources (listed in the appendices), to the extent it was relied on to form our opinion, is assumed to be correct and complete. FAI is not responsible for the quality or content of information from these sources.

1.3.1 Unavailable Documentation

The requested documents regarding the subject property were made available for review during this assessment, except for the following:

- The City and County of Honolulu Fire Department (HFD) was contacted on November 24, 2025 to obtain information regarding any fires, complaints, permits, or violations involving hazardous material use, USTs, or ASTs on record for the subject property.

  FAI has not received a response from the HFD as of the date of this report. If later findings change the conclusions and recommendations in this report, FAI will forward an addendum letter to Kobayashi Group.

1.3.2 Data Gaps

The ASTM Practice indicates that all obvious uses of the subject property shall be identified from the present, back to the subject property's first developed use, or back to 1940, whichever is earlier. Any significant "data gaps" which affect the ability of the Environmental Professional to identify recognized environmental conditions shall be noted.

Historical subject property ownership and/or use information was obtained for the time period, 1928 to present. Based on this information, FAI has established the history of uses of the subject property since 1940 or first development, whichever is earlier.

This Phase I ESA report contains data gaps due to the lack of historical records at five-year intervals. However, based on the available information gathered during this assessment, lack of additional historical information does not appear to be a significant data gap.

1.3.3 Lack of Access/Reconnaissance Limitations

FAI did not encounter significant access or reconnaissance limitations at the subject property.

1.4 RELIANCE

The information and opinions rendered in this report are exclusively for use by Kobayashi Group. FAI will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by FAI in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

2.0 USER PROVIDED INFORMATION

ASTM E1527-21 defines "User" as the party seeking to use Practice E1527 to complete a Phase I ESA of the subject property. ASTM E1527-13 specifies that certain tasks associated with identifying potential recognized environmental conditions at the subject property should be performed by the User and provided to the Environmental Professional (i.e., User's Responsibilities). FAI understands that Kobayashi Group is the User as defined by ASTM E1527-21, and has provided the User a questionnaire, requesting specific information.

The User Questionnaire included requests for information on the following:

(1) Environmental liens and AULs that are filed or recorded against the property;
(2) "Specialized knowledge" of the User;
(3) Relationship of the purchase price to the fair market value of the property if it were not contaminated;
(4) Commonly known or reasonable ascertainable information;
(5) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation;
(6) The presence of Proceedings Involving the Property (e.g., litigation, regulatory agency rulings, violations);
(7) The reason for performing the Phase I ESA; and
(8) Other information/documents (e.g., site plan, ALTA survey).

Based on FAI's review of the User provided information, no evidence of recognized environmental conditions at the subject property was noted. The completed User Questionnaire is included in Appendix B.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 SUBJECT PROPERTY LOCATION AND CURRENT USE

The subject property is comprised of four contiguous land lots and the three roadway easements between the lots, covering a combined area of approximately 15.2 acres. The subject property is located along the south side of Kapolei Parkway, on a portion of TMK: (1) 9-1-160: Parcel 064 in Kapolei, Oahu, Hawaii, in a recently developed commercial and residential setting. The subject property is currently undeveloped and was recently cleared of vegetation for planned residential development. Each lot was generally sloped down toward the center, and were observed with various drainage features, including concrete culverts, drainageways, storm drains, and a drainage swale.

The City and County of Honolulu Department of Planning and Permitting (DPP) database lists the subject property as a portion of the land parcel designated as TMK: (1) 9-1-160: Parcel 064. The DPP database indicates that the subject property is currently zoned "BMX-3 Community Business Mixed Use," and the State Land Use designation is "Urban District." The City and County of Honolulu Real Property Assessment Division database lists the Property Class as "Commercial."

3.2 CURRENT USES OF ADJOINING AND NEARBY PROPERTIES

The area surrounding the subject property consists of residential and commercial properties, and undeveloped land. These adjoining and nearby properties were observed from the subject property, and are listed below:

North: Kapolei Parkway, beyond which are undeveloped lots, Kapolei Satellite City Hall parking lot, Mattress Firm, Paco's Tacos Cantina restaurant, Ninja Sushi restaurant, and Dado Dentistry

Northeast: Intersection of Wakea Street and Kapolei Parkway, beyond which are residential apartments

East: Wakea Street, beyond which are residential townhouses

Southeast: Wakea Street, beyond which are residential townhouses

South: Pedestrian walkway, beyond which are residential townhouses

Southwest: Undeveloped lot

West: Undeveloped lot

Northwest: Kapolei Parkway, beyond which is an undeveloped lot

3.3 PHYSICAL SETTING

General information on the physical setting of the subject property was assessed through visual observations, and review of the following documents: (1) United States Geological Survey (USGS)

topographic maps, (2) soil survey information, and (3) aquifer identification information. The physical setting is described below:

- **Soil:** Mamala cobbly silty clay loam, 0 to 12 percent slopes, and Honouliuli clay, 0 to 2 percent slopes (United States Department of Agriculture [USDA] Soil Conservation Service, 2022)
- **Elevation:** Approximately 50 to 60 feet above mean sea level (USGS, Ewa Quadrangle, 2017)
- **Estimated Depth to Shallow Groundwater:** Approximately 45 to 55 feet (USGS, Ewa Quadrangle, 2017)
- **Estimated Shallow Groundwater Flow Direction:** South, toward the Pacific Ocean (USGS Ewa Quadrangle, 2017)
- **Nearby Surface Water/ Drainage Features:** Drainage canal, located approximately 2,000 feet east of the subject property (USGS Ewa Quadrangle, 2017)

The Aquifer Identification and Classification for Oahu: Groundwater Protection Strategy for Hawaii (Mink, J.F. and L.S. Lau, 1990), published by the Water Resources Research Center at the University of Hawaii, was reviewed for information on groundwater conditions below the subject property. The report describes the upper and lower aquifers below the subject property as part of the Ewa aquifer system of the Pearl Harbor aquifer sector, on the Island of Oahu.

The upper aquifer is an unconfined basal aquifer of the sedimentary type, occurring in non-volcanic lithology. Its status is described as a replaceable water supply with moderate salinity (1,000 to 5,000 milligrams per liter [mg/L] Chloride) that is currently used. However, this aquifer is not used for drinking water purposes and is not considered ecologically important. The groundwater in this aquifer has a high vulnerability to contamination.

The lower aquifer is a confined basal aquifer of the flank type, occurring in horizontally extensive lavas. Its status is described as an irreplaceable water supply with low salinity (250-1,000 mg/L Chloride) that is currently used. However, this aquifer is not used for drinking water purposes and is not considered ecologically important. The groundwater in this aquifer has a low vulnerability to contamination.

The subject property is located above the State of Hawaii Department of Health (HDOH) Safe Drinking Water Branch defined Underground Injection Control (UIC) line. Areas above the UIC line generally denote potential underground drinking water sources. Areas below the UIC line generally denote groundwater that is unsuitable for drinking water purposes. Although the subject property is located above the designated UIC line, the underlying groundwater is not considered a potential source of drinking water, as noted above.

The subsurface conditions under the subject property are interpreted from available data and may vary. Estimated groundwater flow direction is based on topography and nearby water features unless otherwise noted. Topography is not always a reliable basis for predicting groundwater flow direction. The local groundwater gradient under the subject property may be influenced naturally by zones of higher or lower permeability, or artificially by nearby pumping or recharge, and may deviate from the regional trend.

4.0 HISTORICAL USE INFORMATION REVIEW

A review of available historical and related information was performed. This included a review of ASTM Standard Historical Sources, Agency/Department records/personnel interviews and other documents.

4.1 SUMMARY OF HISTORICAL USE

The following historical use summary incorporates information obtained from maps, aerial photographs, land title records, government agencies, interviews, and other components of the assessment process.

The historical research presented in this assessment has established the use of the subject property since 1928. In addition, information on historic uses of adjoining properties was also obtained. A chronological summary of the historic uses of the subject and adjoining/nearby properties is presented below.

On the earliest available topographic map, from 1928, the subject property is shown as an undeveloped area of land that is part of the Honouliuli region of west Oahu. The aerial photographs dated from 1951 to 1992 show the subject property and adjoining areas as agricultural land for sugar cane cultivation. An unimproved roadway (cane haul road) transects the central portion in a roughly north-south direction. The aerial photographs dated from 2001 to 2008 show the subject property and adjoining areas as vacant land with low-lying vegetation that does not appear as agricultural crops. The aerial photographs dated from 2011 to 2014 appear similar, and show the eastern half of the subject property covered with sand and cleared of vegetation. A portion of the current Kapolei Parkway appears along the north side of the eastern portion of the subject property on these photographs. The most recent aerial photographs, dated from 2017 to 2025, show the subject property as partially vegetated, undeveloped land, much as it appeared during FAI's recent site visit.

Available records at the City and County of Honolulu Real Property Tax Office indicate that the subject property is designated as a portion of TMK: (1) 9-1-160: Parcel 064, which was subdivided from larger land parcels over the years. The earliest available records indicate the land was owned by the James Campbell Trust Estate and leased to the Ewa Plantation Company in 1940. Ewa Plantation Company merged into Ewa Sugar Company, Inc. in 1968, and their lease was assigned to Oahu Sugar Company, Ltd. in 1970. The land was deeded to Kapolei Property Development LLC in 2006, and then to the City and County of Honolulu in 2010. The current land parcel was created in 2023 with no change in ownership.

4.2 USGS TOPOGRAPHIC MAPS

Historic topographic maps for the subject property and vicinity were reviewed from Environmental Data Resources, Inc. (EDR) for the years 1928, 1953, 1962, 1968, 1970, 1983, 1998, 2013, and 2017. Topographic maps provided by EDR are included in Appendix C. Key findings noted during this review are as follows:

- On the earliest available topographic map, from 1928, the subject property is shown as an undeveloped area of land that is part of the Honouliuli region of west Oahu. Adjoining areas to the

north, west, south and east are also shown as undeveloped areas of land. No structures are depicted on or near the subject property. Two streams appear on the east and central portions of the subject property. Railroad tracks are depicted approximately 1/4 to 1/2 mile to the north, east, and south of the subject property.

- The topographic maps dated from 1953 to 1970 show no significant changes on the subject property, except for an unimproved roadway extending through the central portion of the subject property in a northeast-southwest direction. An intermittent stream appears alongside the unimproved roadway. The labels "Pump" and "Pipe Line" are depicted north of the subject property, along the stream which extends through the eastern portion of the subject property. Another unimproved roadway appears east of the subject property. The railroad tracks to the north that appeared on the 1928 map appear to be replaced by a roadway, and to the south of the subject property, a roadway parallels the railroad tracks. The area south of the roadway/railroad tracks shows the Naval Air Station and Barbers Point development with buildings/ structures and roadways. A Coral Pit (typically a quarry) is shown approximately 1/2 mile to the southeast of the subject property.

- The 1983 topographic map appears similar to the 1970 map, except only one unimproved road is shown on the eastern portion of the subject property, and one intermittent stream is shown on the central portion of the subject property.

- The 1998 topographic map depicts the development of Kapolei Parkway (paved and unpaved), as well as development to the north and northeast of the subject property. No streams or roadways are depicted on the subject property. In addition, Kamokila Boulevard and other roadways are depicted to the north-northwest of the subject property.

- The 2013 and 2017 topographic map shows no significant changes, except portions of the subject property are shaded green to denote vegetation. A portion of Kapolei Parkway is shown along the northeast side of the subject property. Additional roadways are depicted further east of the subject property. No structures are depicted on this map, which is typical of the 2013/2017 USGS topographic maps.

4.3 AERIAL PHOTOGRAPHS

Aerial photographs, including the subject and adjoining properties, were reviewed from EDR and Google Earth.™ Photographs taken in the years 1951, 1962, 1968, 1975, 1977, 1985, 1992, 2001, 2004, 2008, 2011, 2013, 2014, 2017, 2018, 2020, 2021, 2022, 2023, 2024, and 2025 were reviewed. Aerial photographs provided by EDR are included in Appendix D. Key findings noted during this review are as follows:

- The aerial photographs dated from 1951 to 1992 show the subject property and adjoining areas as agricultural land for sugar cane cultivation. An unimproved roadway (cane haul road) transects the central portion of the subject property in a roughly north-south direction.

- The 2001 and 2004 aerial photographs show the subject property and adjoining areas as vacant land with low-lying vegetation that does not appear as agricultural crops. An unimproved roadway still transects the subject property in a north-south direction. Development is shown on the outlying areas to the north and south.

- The 2008 aerial photograph appears similar to the 2004 photograph, and shows no significant changes to the subject property. The adjoining areas to the west and southeast of the subject property appear as partially-graded land with multiple stored items (under development).

- The aerial photographs dated from 2011 to 2014 appear similar and show no significant changes to the subject property, except the eastern half of the subject property appears with sand and cleared of vegetation. A portion of the current Kapolei Parkway appears along the north side of the eastern portion of the subject property. Most adjoining areas are still undeveloped; however, increased development is shown on the nearby/outlying areas.

- The most recent aerial photographs, dated from 2017 to 2025, show the subject property as partially vegetated, undeveloped land, much as it appeared during FAI's recent site visit. The adjoining properties show increased development over the years, with most of the current structures shown in the 2025 photograph.

4.4 FIRE INSURANCE MAPS

Fire insurance maps typically depict either the locations of manufacturing and industrial facilities within the city limits or potential hazards existing within individual building structures. In many cases, evidence of environmental concern, such as locations of USTs, can be found by reviewing fire insurance maps.

FAI obtained and reviewed a Sanborn Fire Insurance Maps report for the subject property and adjoining area from EDR. Fire insurance maps were not available for the subject and adjoining properties. The report provided by EDR is included in Appendix E.

4.5 RECORDED LAND TITLE RECORDS

Information provided to FAI by the User with respect to environmental liens or AULs was discussed in Section 3.0. The ASTM Standard recommends that the User retain a title company or title professional to provide recorded land title records.

As part of this assessment, FAI attempted to obtain reasonably ascertainable recorded land title records and lien records that are filed under federal, state, tribal, or local law. This work is generally limited to a review of these records for the presence of environmental liens and AULs. FAI obtained an Environmental Lien and AUL Search report from EDR, dated November 17, 2025, which indicates that no environmental liens or AULs were identified. A copy of the Environmental Lien and AUL Search report is included in Appendix F.

According to available records at the City and County of Honolulu Real Property Tax Assessment Office, the subject property is designated as TMK: (1) 9-1-160: Parcel 064 (portion). Historical ownership and lease records are summarized in the following table:

Parcel	Year	Property Transaction
TMK: (1) 9-1-160: Parcel 064	2023	Earliest available record, indicating the parcel was newly created from a portion of TMK: (1) 9-1-160: Parcel 018 (see records below), and is owned by the City and County of Honolulu.
TMK: (1) 9-1-160: Parcel 018	2012	Earliest available record, indicating the parcel was newly created from a portion of TMK: (1) 9-1-016: Parcel 186 (see records below), and was owned by the City and County of Honolulu.
	2015 & 2020	Grants of easement issued to Hawaiian Electric Company for the transmission of electrical utilities.
	2023	Deregistration of parcel, to create new parcels (see records above).
TMK: (1) 9-1-016: Parcel 186	2010	Earliest available record, indicating the parcel was newly created from a portion of TMK: (1) 9-1-016: Parcel 150 (see records below), and was owned by Kapolei Property Development LLC. Parcel was subsequently deeded to the City and County of Honolulu.
TMK: (1) 9-1-016: Parcel 150	2007	Earliest available record, indicating the parcel was newly created from a portion of TMK: (1) 9-1-016: Parcel 138 (see records below), and was owned by Kapolei Property Development LLC.
TMK: (1) 9-1-016: Parcel 138	2006	Earliest available record, indicating the parcel was newly created from a portion of TMK: (1) 9-1-016: Parcel 001 (see records below), and was owned by James Campbell Trust Estate. Parcel was subsequently deeded to Kapolei Property Development LLC.
TMK: (1) 9-1-016: Parcel 001	1940	Earliest available records, indicating parcel was owned by the James Campbell Trust Estate, with a lease to Ewa Plantation Company.
	1968	Lessee, Ewa Plantation Company, merged into Ewa Sugar Company, Inc.
	1970	Lease from Ewa Sugar Company, Inc. assigned to Oahu Sugar Company, Ltd.

Although no evidence of recognized environmental conditions was identified in the available ownership/lease records, the subject property is part of a large land area that was previously owned by the James Campbell Trust Estate and leased to the Ewa Plantation Company/Ewa Sugar Company, Inc., an agricultural company that farmed sugar cane throughout the area. Ewa Plantation's lease was assigned to Oahu Sugar Company in 1970, and Oahu Sugar Company shut down its agricultural operations in 1995. This past agricultural use could be a concern due to the potential for past releases of chemicals such as herbicides and pesticides associated with agricultural activities.

Concerns related to past use of agricultural chemicals were recently addressed by FAI as part of a Phase II ESA, which included multi-increment surface soil sampling at the subject property. No chemical constituents were detected above regulatory levels in the samples collected. A summary of the Phase II investigation is included below in Section 10.0 of this report.

4.6 CITY DIRECTORY

A city directory provides names of former businesses and occupants of the subject property, which may indicate potential environmental concerns associated with the business. A city directory report was provided by EDR, and is included in Appendix G. The report includes records from 2005, 2010, 2014, 2017, and 2022.

The city directory report was reviewed to identify facilities at the subject property address, and facilities on adjoining properties. However, the report does not include any listings for the subject property, which is likely because the subject property is currently undeveloped. Listings for the adjoining properties are included in the following table:

Year	Address	Business/Occupant
2014	4675 Kapolei Parkway (west adjoining property)	Less Snack Shop
2014	4850 Kapolei Parkway (north adjacent property)	Foodland, R. Field Wine Company, Teddy's Bigger Burgers
2017	4675 Kapolei Parkway (west adjoining property)	Less Snack Shop, Oahu First Circuit District Court
2017	4850 Kapolei Parkway (north adjacent property)	Foodland, Cosmic Beauty, Dado Dentristry, Daiichi Ramen & Curry, Dominos Pizza, Great Clops, Hawaii Pot Shabu Shabu, L&L Hawaiian, Train Mattress Centers, Takumi, Tasty Shack
2022	761 Wakea Street (northeast adjacent property)	Kapolei Lofts
2022	4850 Kapolei Parkway (north adjacent property)	Cosmic Beauty, Foodland, R. Field Wine Company, Teddy's Bigger Burgers, Great Clips, H E Foods LLC, Hawaii Dental Clinic LLC, Hawaii Pot Shabu Shabu, L&L Hawaiian Barbecue, Ramen Bones, Takumi, Tasty Shack
2022	4675 Kapolei Parkway (west adjoining property)	Circuit Court-Small Estates, District Court-Rural Division, Kids First Hawaii, Less Snack Shop, State of Hawaii Family Court

No businesses of environmental concern were identified at the adjoining properties in the city directory report.

4.7 AGENCY CONTACTS

4.7.1 Building, Planning, and/or Zoning Departments

The City and County of Honolulu DPP database was reviewed to obtain historical use information for the subject property, which is the land parcel designated as TMK: (1) 9-1-160: Parcel 064. The DPP database indicates that the subject property is currently zoned "BMX-3 Community Business Mixed Use," and the State Land Use designation is "Urban District." The City and County of Honolulu Real Property Assessment Division database lists the Property Class as "Commercial."

The DPP database does not include any building permits for the subject property.

4.7.2 Fire Department

The City and County of Honolulu Fire Department (HFD) was contacted on November 24, 2025 to obtain information regarding any fires, complaints, permits, or violations involving hazardous material use, USTs, or ASTs on record for the subject property.

FAI has not received a response as of the date of this report. If later findings change the conclusions and recommendations in this report, FAI will forward an addendum letter to Kobayashi Group.

4.7.3 Department of Health, Solid and Hazardous Waste Branch

The HDOH, Solid and Hazardous Waste Branch (SHWB) databases of registered USTs and leaking UST (LUST) were reviewed to obtain information regarding any USTs or LUSTs at the subject property or adjoining properties.

The subject property and adjoining properties were not listed in the SHWB databases of USTs and LUSTs.

4.7.4 Department of Health, Hazard Evaluation and Emergency Response Office

The HDOH, Hazard Evaluation and Emergency Response (HEER) Office Release Notification database was reviewed to obtain information regarding any spills or other environmental incidents, which may have occurred at the subject property or adjoining properties.

The subject property and adjoining properties were not listed in the HEER Office Release Notification database.

4.8 PREVIOUS ENVIRONMENTAL REPORTS

Previous environmental reports associated with the subject property were not made available during this assessment.

5.0 STANDARD FEDERAL, STATE, AND TRIBAL ENVIRONMENTAL RECORD SOURCES

Available government database information prepared by EDR was reviewed to evaluate both the subject property and any listed sites within ASTM-recommended search distances. Federal, state, tribal, and local databases reviewed are included in Appendix H.

Unmappable sites were also listed in the EDR report. Unmappable sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information in the EDR report provided by its applicable agency. Cross-referencing addresses and site names, as well as a visual reconnaissance of surrounding properties, has been completed for the unmappable facility sites in the database report.

SUBJECT PROPERTY

The subject property is not listed in the EDR database report.

NEARBY PROPERTIES

A total of 99 listings were identified within the specified search distances from the subject property, including:

- One Resource Conservation and Recovery Act Small Quantity Generator (RCRA-SGQ) site
- Four RCRA Very Small Quantity Generator (RCRA-VSGQ) sites
- 25 State Hazardous Waste (SHWS) sites
- One LUST site
- Two UST sites
- Two Formerly Used Defense Sites (FUDS)
- 55 Department of Defense (DOD) sites
- One Record of Decision (ROD) site
- One Federal Sites Per- and Polyfluoroalkyl Substances Information (PFAS FEDERAL SITES) site
- One Hazardous Waste Electronic Manifest System (E MANIFEST) site
- Six State Hazardous Waste Program (HI HWP) sites

FAI eliminated a majority of these listings as sites of environmental concern because they require no further action, or based on FAI's review, are too distant and/or topographically down-gradient or cross-gradient relative to the subject property to reasonably affect it. The remaining sites with the potential to impact the subject property were evaluated in detail and are listed as follows:

Facility/Address	Database	Orientation from Subject Property	Environmental Concern
HECO Pad-Mounted Transformer #78700 Release 4675 Kapolei Parkway	SPILLS, HWP	Approximately 544 feet west	No; a release of four gallons of transformer oil from a pad-mounted transformer was reported in 2012, with a status of "Site On-Scene Coordinator (SOSC) No Further Action (NFA)." HWP listing indicates there is a very small generator of regulated waste at this site. In addition, this site is too distant to reasonably affect the subject property.
Joint Base Pearl Harbor-Hickam Hawaii	DOD	Approximately 4,354 feet south-southeast	No; listing states site has ongoing operational/support missions. In addition, investigation and remediation of any environmental issues is the responsibility of the United States military.
NG Kalaeloa Hawaii	DOD	Approximately 4,753 feet southeast	No; listing states site has ongoing operational/support missions. In addition, investigation and remediation of any environmental issues is the responsibility of the United States military.
CSO Barbers Point Hawaii	DOD	Approximately 4,868 feet south-southeast	No; listing states 90% or more of the associated assets have minimum maintenance for safety and security and are caretaker operational status. In addition, investigation and remediation of any environmental issues is the responsibility of the United States military.

6.0 SITE RECONNAISSANCE

6.1 GENERAL OBSERVATIONS

The subject property was assessed on foot and was viewed from all adjacent public thoroughfares. At the time of the walkthrough on November 13, 2025, the subject property was observed as undeveloped land cleared of heavy vegetation, with uneven ground surface and small shrubs. In general, the four lots (Lots 2 through 5) which comprise the subject property were elevated on the perimeters and sloped down toward the center of each lot. A portion of Kauwela Street was observed between Lots 2 and 3 on the western portion of the subject property, and a portion of Alohikea Street was observed between Lots 4 and 5 on the eastern portion of the subject property. Kamaaha Avenue was observed as a through street separating Lots 3 and 4, transecting the central portion of the subject property in a north-south direction.

Two metal-grated storm drain openings were observed on the western portion of the subject property, within the low-lying areas of Lots 2 and 3. Two storm drain manhole covers were observed on the elevated, southern portion of Lot 2, on the southwest portion of the subject property. FAI observed polyvinyl chloride (PVC) piping and rows of rebar protruding from the ground at Lot 3 of the subject property. FAI also observed multiple Geolabs survey markers throughout the subject property.

Two concrete culverts, surrounded by built-up rock and concrete, were observed along the west side of Lot 4, on the central portion of the subject property. A large portion of Lots 4 and 5 was observed as elevated land, and the northern portion of Lots 4 and 5 was observed as a low-lying drainage area, oriented in an east-west direction. A built-up rock and concrete drainageway was observed within the low-lying area between Lots 4 and 5. Two concrete culverts, surrounded by built-up rock and concrete, were observed along the east side of Lot 5, on the east side of the subject property. The eastern portion of Lot 5 was also observed as a low-lying area, with some vegetation. A concrete-paved drainage swale was observed on an elevated portion of Lot 5, on the east-central portion of the subject property, oriented in a north-south direction. A chain-link fence bordered the west side of the swale.

FAI observed four curbside storm drains along Kamaaha Avenue, transecting the central portion of the subject property. Another curbside storm drain was observed along the southeast side of the subject property, on Wakea Street bordering the east side of the subject property. Small amounts of miscellaneous household debris were observed on portions of the subject property, particularly around areas which bordered the surrounding roadways.

No evidence of current or former USTs, ASTs, in-ground hydraulic equipment, wells, cesspools, or other subsurface structures of environmental concern was noted on the subject property. In addition, no surface staining or other evidence of chemical/petroleum releases was observed on the subject property during FAI's site visit.

6.2 HAZARDOUS SUBSTANCE AND PETROLEUM PRODUCTS (OTHER THAN UST/AST)

The subject property was assessed for signs of use, storage, or disposal of hazardous substances and/or petroleum products (other than those stored in USTs/ASTs, see Section 6.3 below). Property uses where

these types of materials are typically found include: vehicle service bays, vehicle repair operations, auto body shops and related activities (e.g., solvents, cleaners, degreasers, lubricants, paints, antifreeze); dry cleaners, rug cleaners, steam laundries, Laundromats with self-serve dry clean machines (e.g., chlorinated solvents, Naphtha, mineral spirits); manufacturing operations, plating facilities, and other industrial/commercial operations. For purposes of this assessment, this does not include use/storage of small quantities of typical janitorial and maintenance materials (if any), unless considered relevant. Hazardous Wastes (if any) are further discussed in Section 6.4 below.

No visual evidence was observed, and no other information was obtained, to indicate the current and/or potential past presence of hazardous substances or petroleum products at the subject property, except for the past application of agricultural chemicals (e.g., herbicides/pesticides) on sugar cane crops when the subject property was used for agricultural purposes.

6.3 STORAGE TANKS

6.3.1 Underground Storage Tanks

The subject property was assessed for evidence of USTs. The assessment consisted of noting evidence (e.g., fill ports, vent piping, dispensing equipment, pavement variations) indicating that USTs are currently or were previously located on the subject property.

No visual evidence was observed, and no other information was obtained, to indicate the current and/or potential past presence of USTs at the subject property.

6.3.2 Aboveground Storage Tanks

The subject property was assessed for evidence of ASTs. The assessment included noting evidence (e.g., concrete foundations or saddles, pedestals or steel support structures) indicating that ASTs were previously located on the subject property.

No visual evidence was observed, and no other information was obtained, to indicate the current and/or potential past presence of ASTs at the subject property.

6.3.3 In-Ground Hydraulic Equipment

The subject property was assessed for evidence of in-ground hydraulic equipment (e.g., hydraulic elevators or lifts that have hydraulic fluid-containing reservoirs or jacks below ground surface) or other types of hydraulic equipment. Hydraulic fluid in equipment installed in 1978 or before may contain PCBs.

No visual evidence was observed, and no other information was obtained, to indicate the current and/or potential past presence of in-ground hydraulic equipment at the subject property.

6.4 WASTES

The subject property was assessed for evidence suggesting the generation or disposal of "wastes" onsite (e.g., drums, dumpsters, debris piles). Observations suggesting the presence of wastes onsite are presented below. This includes observations/information suggesting 1) the placement of significant quantities of "fill" materials (from an unknown or potentially contaminated source); or 2) the "disposal" of wastes/debris/trash onsite.

Small amounts of general household debris were observed on portions of the subject property, particularly around areas which bordered the adjoining roadways.

6.5 POLYCHLORINATED BIPHENYLS

The subject property was assessed for the presence of liquid-cooled electrical units (e.g., transformers) and major sources of hydraulic fluid (e.g., elevators, lifts). Such units are notable because they may be potential PCB sources.

No visual evidence was observed, and no other information was obtained, to indicate the current and/or potential past presence of PCB-containing equipment at the subject property.

6.6 WASTE WATER AND STORM WATER DISCHARGE

The subject property was assessed for evidence of waste or process water discharges (if any) and storm water discharges. For purposes of this assessment, this generally includes discharges other than domestic waste water from sinks and toilets. In addition, properly functioning septic systems used strictly for residential and most commercial operations generally do not represent a cause for concern. Exceptions can include those instances where hazardous substances/petroleum products may be discharged through the system (e.g., spent solvents at an auto repair facility).

Waste and/or process water is currently not generated at the subject property.

Storm water generated at the site percolates into the exposed soil surface of the subject property, and flows via sheet flow into the low-lying areas of the subject property, and into the metal-grated storm drain openings. FAI observed concrete drainage culverts on Lots 4 and 5, a built-up rock and concrete drainageway between Lots 4 and 5, a concrete-paved drainage swale on Lot 5, and two metal-grated storm drain openings on Lots 2 and 3 of the subject property. In addition, FAI observed four curbside storm drains along Kamaaha Avenue and one curbside storm drain along Wakea Street.

6.7 WELLS

The subject property was assessed for evidence of wells (e.g., dry, irrigation, injection, abandoned, monitor, supply).

No evidence of wells was observed on the subject property during FAI's site visit.

According to the EDR database report and the USGS topographic map overlaid with the Ground Water Index Summary, two water wells are located immediately south of the subject property boundary (south of Lot 3), identified as Well ID Nos. 3-1905-008 and 3-1905-010. They are named "Kapolei Irr 1" and "Kapolei Irr 2," and were installed in 1991 and 1993 down to depths of 84 and 94 feet, respectively. These wells are owned by D. R. Horton – Schuler Homes LLC and the status of these wells is listed as "Unused."

7.0 INTERVIEWS

The purpose of the interview(s) was to obtain additional information related to: 1) the current and past operations at the subject and/or adjoining properties that may result in recognized environmental conditions; and 2) the presence of Proceedings Involving the Property (e.g., litigation, regulatory agency rulings, violations).

FAI interviewed Ms. Leahna Luke, Project Manager at the City and County of Honolulu Department of Housing and Land Management, via e-mail, who provided information from the Department of Facility Maintenance, on December 2, 2025.

- The Department of Facility Maintenance (DFM) has been familiar with the subject property for approximately one year and was forthcoming with information for which they had knowledge. They stated that the subject property had been acquired by the City and County of Honolulu during Mayor Mufi Hannemann's administration (2005-2010) as part of an agreement with the former Campbell Estates.

- The DFM was not aware of any previous uses of the subject property, except for sugar cane cultivation prior to the 2000s, when Oahu Sugar closed. They stated that since the closure of Oahu Sugar, the subject property has been vacant land.

- The DFM stated that the vegetation at the subject property was cleared due to wildfire concerns within the last six months. According to the DFM, the drainage culverts were built as part of the nearby subdivision development and are maintained by the developer. The DFM was unaware of any soil/rocks brought onsite from other sources.

- The DFM was asked if they had any information regarding USTs, ASTs, hydraulic lifts, chemical spills or releases, government violations, and/or hazardous materials storage associated with the subject property. The DFM was unaware of any of these items or other issues of environmental concern associated with the subject property.

- The DFM was asked the following and responded to the best of their knowledge:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property.	Yes ____	No **X**
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property.	Yes ____	No **X**

Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.	Yes ____	No X

8.0 TIER 1 VAPOR ENCROACHMENT SCREEN (VES)

The VES was conducted in accordance with ASTM E2600-22, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. A VES is often conducted in conjunction with a Phase I Assessment as much of the information utilized is common to both processes. The goal of a VES is to identify if a potential vapor encroachment condition (VEC) may exist at a subject property. A VEC is defined as the presence or likely presence of chemicals of concern (COC) vapors in the subsurface of a subject property caused by the release of vapors from contaminated soil and/or groundwater either on or near the subject property.

A Tier 1 VES includes obtaining and reviewing information on the subject property and adjoining properties. This includes information on the following: user provided information; physical setting information; existing/planned use of the subject property; types of structures/existing or planned on the subject property; surrounding area description; selected Federal, State, Local and Tribal environmental records sources; historical records related to the past use of the subject property and adjoining properties within the area of concern (AOC), 1/3 to 1/10 mile; the likely COC; and the presence of significant natural or man-made conduits that can serve as preferential pathways, such as utility corridors, sewers, storm drains, etc. (Note: These "preferential pathways" may provide for a more direct route for vapors to encroach upon the subject property).

An evaluation of information for the Tier 1 VES includes two tests: 1) a search distance test to evaluate the proximity of the target property to known or suspected "contaminated properties", and 2) a chemicals of concern test to determine the likely presence of COCs at the subject property or properties within the AOC. In evaluating the data, the distance and proximity to potentially contaminated off-site properties must be evaluated, including whether they are up-, cross-, or down-gradient relative to the subject property. A brief summary of relevant information considered for the Tier 1 screening follows:

Use of Property:	Undeveloped land
Soil Characteristics:	Mamala cobbly silty clay loam, 0 to 12 percent slopes, and Honouliuli clay, 0 to 2 percent slopes (USDA Soil Conservation Service, 2022)
Depth to Groundwater:	Approximately 45 to 55 feet (USGS, Ewa Quadrangle, 2017)
Preferential Pathways:	No known utilities exist onsite except for storm water drainage systems

The *vapor encroachment screen* process has been completed in accordance with the Standard as described above. For the Tier 1 Screening, no contaminated properties were identified within the AOC. Therefore, there are no VECs associated with the subject property.

9.0 NON-ASTM ISSUES

Non-ASTM issues include potential environmental concerns that are not considered recognized environmental conditions but may be considered business environmental risks. The non-ASTM issues covered in this Phase I ESA report include suspect Asbestos-Containing Materials (ACM), radon gas, suspect Lead-Based Paint (LBP), PCB-containing building materials, and wetlands.

9.1 ASBESTOS-CONTAINING MATERIALS (ACM)

The subject property was inspected for the presence of suspect ACM such as ceiling and roofing materials, and presumed asbestos-containing materials (PACM) as defined by the Occupational Safety and Health Administration (OSHA) (29 CFR 1926.1101), which includes thermal system insulation and surfacing material, if building construction was prior to 1981. Asphalt and vinyl flooring material installed prior to 1980 must also be considered asbestos-containing unless proven otherwise.

No permanent structures with suspect ACM were observed at the subject property during FAI's site visit.

9.2 RADON

Radon is a naturally occurring radioactive gas formed by the decay of uranium in bedrock and soil. The potential adverse health effects associated with radon gas depend on various factors, such as the concentration of the gas and duration of exposure. The concentration of radon gas in a building depends on subsurface soil conditions, the integrity of the building's foundation, and the building's ventilation system.

Due to the relatively young geological age (less than five million years) of the southernmost islands of the Hawaiian archipelago, radon gas does not occur at elevated levels in native soils.

9.3 LEAD-BASED PAINT (LBP)

Lead-based paint was commonly used for corrosion protection in the 1960s, and in prime, intermediate, and finish coats well into the 1970s. Regulations specifically addressing LBP include Housing and Urban Development (HUD) (1995) guidelines and the Consumer Product Safety Act (1977). The HUD guidelines define LBP as paint containing 0.5% lead by weight (5,000 parts per million [ppm]) for housing. The Consumer Product Safety Commission defines lead-containing paint as paint containing greater than 0.009% lead by weight (90 ppm) for consumer products. There is no industrial definition. There are specific testing methods for sampling and analyzing lead in paint.

No permanent painted buildings/structures with suspect LBP were observed at the subject property during FAI's site visit.

9.4 PCB-CONTAINING BUILDING MATERIALS

The subject property was inspected for the presence of potential PCB-containing building materials such as caulks, paints/coatings, and electrical ballasts in fluorescent light fixtures. These items are listed as non-scope considerations under the ASTM E1527-21 Standard. Major sources of hydraulic fluid (e.g., elevators, lifts) and larger suspect PCB units such as liquid-cooled electrical transformers are considered in-scope under ASTM E1527-21, and are discussed above in Sections 6.3.3 and 6.5, respectively.

The subject property is undeveloped and no suspect PCB materials such as caulks, paints/coatings, and/or fluorescent light ballasts were observed during FAI's site visit.

9.5 WETLANDS

The subject property was inspected for the presence of sensitive ecological areas by noting environmental indicators (e.g., wetlands vegetation, floodplains) located on or immediately adjoining the subject property.

No sensitive ecological areas were observed on the subject property.

The United States Fish and Wildlife Service (USFWS) National Wetlands Inventory Map indicates that the drainage canal located approximately 2,000 feet east of the subject property is described as a Riverine habitat with the classification code "R5UBFx," which is defined as: System "Riverine" (R), Subsystem, "Unknown Perennial" (5), Class "Unconsolidated Bottom" (UB), Water Regime "Semipermanently Flooded" (F), and Special Modifier "Excavated" (x).

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) was reviewed to determine if the subject property is located in a flood hazard area. According to the FEMA/FIRM index map (FEMA/FIRM Panel No. 15003C0310G, dated January 19, 2011), the subject property is located within Flood Zone D, which denotes unstudied areas in which flood hazards are undetermined, but possible.

10.0 PHASE II SURFACE SOIL INVESTIGATION

The purpose of this Phase II surface soil investigation was to perform surface soil sampling with laboratory analyses to assess the presence of chemicals of potential concern (COPC) at the subject property, primarily related to the former agricultural use of the area.

10.1 SURFACE SOIL SAMPLING PROCEDURES

On November 13, 2025, FAI mobilized to the subject property to collect surface soil samples from the subject property. The multi-increment (MI) soil sampling methodology, as recommended by the HDOH, was employed during this investigation. This methodology includes identifying sampling areas referred to as Decision Units (DUs). A DU is an area where a decision is to be made regarding the extent and magnitude of contaminants identified within the unit, as well as the potential environmental hazards posed by the contaminants (HDOH, 2023). The DU is actually a volume of soil that is comprised, for this project, as the area of the DU multiplied by the depth of the sub-increments (i.e., 0 to top 3 inches in depth).

Five DUs were established within the subject property, as depicted on Figure 3, located behind the *Figures* tab. A total of 50 increments for each DU were collected. One primary, one duplicate, and one triplicate MI surface soil sample were also collected from one of the DUs (DU-1). The increments for each DU were combined into a single sample for laboratory analyses. The locations of each of the individual increments were selected using a systematic random approach. Initially, a random starting location was selected within the DU. After the random starting location was selected, the remaining sub-sample locations were selected on a systematic basis, which consisted of pacing an equal distance around the DU for each sampling site.

At each sub-sample location, a soil pick was used to break up the material. Each sample increment was then collected using a stainless-steel trowel. The increments extended to approximately four inches below ground surface (bgs) with the goal of collecting sample increments that represent the actual distribution of particle sizes in the soil. An equal volume of soil was collected from each of the increment sub-sample locations to form the single bulk sample. The bulk sample was placed in a new, dedicated plastic bag and sealed. Once collected, the bulk sample was labeled and placed into a cooler with wet ice to keep the samples at a temperature of six degrees centigrade (ºC) or below. The sample was logged on a chain-of-custody form, which accompanied the samples to the laboratory.

10.2 DECONTAMINATION PROCEDURES

In the field, new disposable gloves were donned prior to the collection of each sample. After the samples were collected, the disposable gloves were removed and discarded. Decontamination of field tools (i.e., soil pick, trowels) was conducted prior to, and after, sample collection as follows:

- Removed large clumps of soil or matter attached to sampling equipment
- Washed with Alconox™
- Double-rinsed with distilled water
- Air dried

10.3 CHAIN-OF-CUSTODY PROCEDURES

A chain-of-custody form was used for the tracking of the samples from the field to the laboratory, until the time they were analyzed. The sampler retained one copy of the chain-of-custody form. The original and other copy of the chain-of-custody form were placed in the portable cooler with the samples. The lid was sealed to the body with tape.

The chain-of-custody form included:

- Name, address and telephone number of sender
- Project number and name
- Sample identification number and number of containers
- Date sampled and sample matrix
- Requested analytes by USEPA method
- Turn-around time information
- Any special instructions or explanation of preservatives
- Sign off on chain-of-custody (samplers' name/initials)
- Authorized signature (samplers' or other signature shipping the samples)

The samples were delivered by hand to the analytical laboratory following standard chain-of-custody procedures.

10.4 APPLICABLE ACTION LEVELS

The applicable action levels for this subject property were established using the HDOH guidance document entitled "Evaluation of Environmental Hazards at Sites with Contaminated Soil and Groundwater" (HDOH, 2023), which is published by the HEER Office of the HDOH, the Tropical Pacific Edition.

The subject property is located above the HDOH Safe Drinking Water Branch defined UIC line. Areas above the UIC line generally denote potential underground drinking water sources. Areas below the UIC line generally denote groundwater that is unsuitable for drinking water purposes. Although the subject property is located above the designated UIC line, the underlying groundwater is not considered a potential source of drinking water. Therefore, the analytical results were compared to the HDOH Tier 1 Environmental Action Levels (EALs) for Unrestricted (residential) sites where groundwater is not considered a current or potential source of drinking water, and the distance to the nearest surface water feature is more than 150 meters (HDOH, 2023).

10.5 SURFACE SOIL LABORATORY ANALYSIS

The seven MI soil samples collected as part of this investigation (identified as *DU-1, DU-1D, DU-1T, DU-2, DU-3, DU-4,* and *DU-5*) were submitted to Advanced Analytical Laboratories, Inc. located in Honolulu, Oahu, Hawaii for analytical testing under standard Chain-of-Custody procedures. The laboratory analytical results for the MI soil samples are summarized in Table 1, located behind the *Tables* tab. A

copy of the analytical reports and Chain-of-Custody documents for the MI soil samples are presented in Appendix I. The MI soil samples were analyzed for the following:

- Arsenic using Environmental Protection Agency (EPA) Method 6020B/3050B.
- Organochlorine Pesticides using EPA Method 8081B/3550C.

10.6 SURFACE SOIL ANALYTICAL RESULTS

Key findings of the laboratory analyses are as follows:

- Dieldrin was detected in four samples at concentrations ranging between 0.0027 and 0.0085 mg/kg, which are below the Unrestricted (residential) Tier 1 EAL of 2.5 mg/kg. g-Chlordane was detected in one sample and a-Chlordane was detected in one sample at concentrations of 0.0060 and 0.0061, respectively, which are below the Unrestricted (residential) Tier 1 EAL of 17 mg/kg. The remaining Organochlorine Pesticides were not detected above the laboratory reporting limits.
- Arsenic was detected in all seven samples at concentrations ranging between 4.2 to 22 mg/kg, which are below the Unrestricted (residential) Tier 1 EAL of 24 mg/kg.

10.7 SUB-SAMPLING FOR LABORATORY ANALYSIS

A sub-sampling technique was used by the analytical laboratory to reduce the bulk sample to a laboratory analysis quantity, referred to as the "analytical sample." The bulk sample was dried and then passed through a 2-mm "Number 10" sieve to remove larger debris. The entire sample was processed by the analytical laboratory as described below.

The soil sample was spread out on a clean flat surface, by slowly pouring the sample out and then spreading it to a thin (about ¼ inch), even layer. The soil sample was collected using multi-increment techniques and a stratified-random pattern by collecting approximately 10 small increments to make up a 6-gram sample for analysis (e.g., approximately 10 increments of approximately 0.2 grams). The small spatula used to collect the increments had a flat bottom and rectangular shape to give equal chance for selecting particles at the top and at the bottom of the sample. The goal is to represent the actual distribution of particle sizes in the sample. The 6-gram subsample was then analyzed. Subsampling replicates were collected for 10 percent of the samples.

10.8 QUALITY ASSURANCE/QUALITY CONTROL

The analytical data was generated following EPA methods (SW-846 protocols), and laboratory standard operating procedures and quality assurance/quality control (QA/QC) guidelines for sample analysis. Laboratory QC checks include the use of Method Blank, Matrix Spikes and Matrix Spike Duplicates, and Laboratory Control and Laboratory Control Duplicate samples.

The complete laboratory analytical reports and chain-of-custody forms are presented in Appendix I. QA/QC notes are attached to the laboratory reports for each analysis in the Appendix.

11.0 FINDINGS, OPINIONS, AND CONCLUSIONS

FAI has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 for the undeveloped Lots 2 through 5 Kapolei Parkway property located on a portion of TMK: (1) 9-1-160: Parcel 064 in Kapolei, Oahu, Hawaii (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.

This Assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps, as defined by ASTM, in connection with the subject property.

The only environmental condition identified at the subject property is the past use of agricultural chemicals such as herbicides and pesticides when the area was used to grow sugar cane crops. The HDOH *Technical Guidance Manual for the Implementation of the State Contingency Plan Interim Final,* dated 2023, recommends that sites where pesticides were regularly applied be evaluated for residual contamination prior to re-development. Based on the known past use of the subject property as agricultural land, Kobayashi Group retained FAI to conduct a Phase II soil investigation in conjunction with this Phase I ESA to address potential soil impacts from historical pesticide/herbicide use.

During the Phase II investigation, FAI established five Decision Units (DUs) across the subject property and collected five multi-increment (MI) soil samples from the DUs, from a depth of zero to three inches below ground surface (bgs). Duplicate and triplicate MI soil samples were also collected from one of the DUs (DU-1). The samples were submitted to a qualified analytical laboratory and were analyzed for: (1) Arsenic using Environmental Protection Agency (EPA) Method 6020B/3050B; and (2) Organochlorine Pesticides using EPA Method 8081B/3550C.

Based on the laboratory results, Arsenic was detected in all seven samples (primary, duplicate, and triplicate) at concentrations ranging between 4.2 and 22 milligrams per kilogram (mg/kg), which are below the Unrestricted (residential) Environmental Action Level (EAL) for Arsenic of 24 mg/kg. Dieldrin was detected in four samples at concentrations ranging between 0.0027 and 0.0085 mg/kg, which are below the Unrestricted (residential) Tier 1 EAL of 2.5 mg/kg. g-Chlordane was detected in one sample and a-Chlordane was detected in one sample at concentrations of 0.0060 and 0.0061, respectively, which are below the Unrestricted (residential) Tier 1 EAL of 17 mg/kg. The remaining Organochlorine Pesticides were not detected above the laboratory reporting limits. Therefore, no further investigation regarding the past agricultural use of the subject property is recommended.

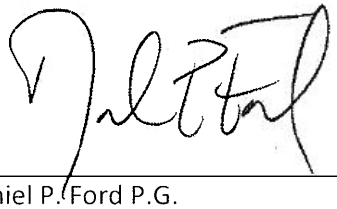
12.0 SIGNATURES

Certification of both Environmental Professionals signing below:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

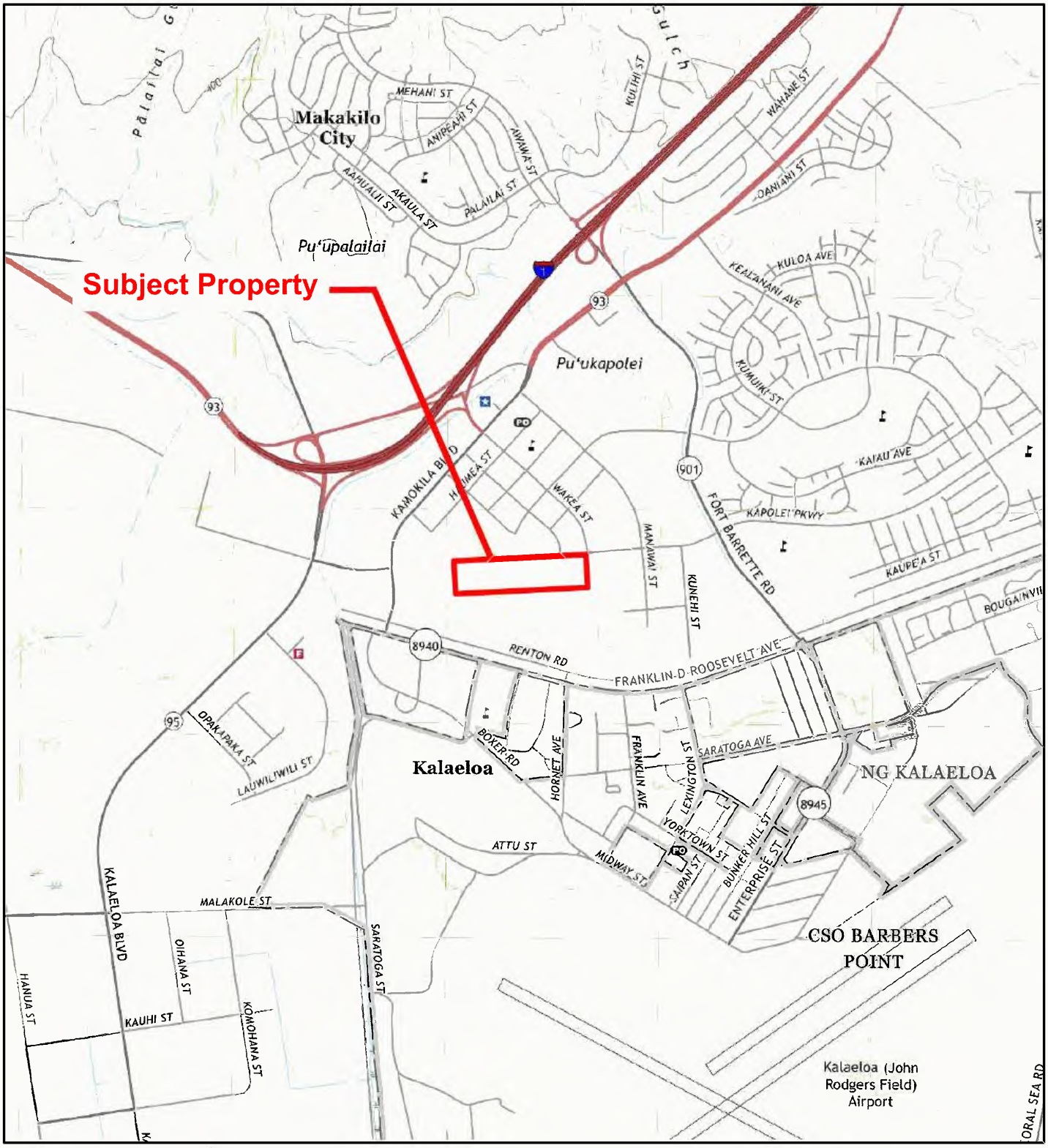


Tim Swartz
Senior Project Manager



Daniel P. Ford P.G.
Principal Geologist

FIGURES



USGS Topographic Map
7.5-Minute Series
Ewa Quadrangle
2017

FORD & ASSOCIATES, INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS		Subject Property Location Map	Figure 1
Job Number: 25-2611	Created by: LF	Project: Undeveloped Lots 2 - 5 Kapolei Parkway Property TMK: (1) 9-1-160: Parcel 064 (Portion) Kapolei, Oahu, Hawaii	
Date: 12/04/25	Reviewed By: TS	Client: Kobayashi Group, LLC	



Image Source: Google Earth 2022

N

0 145 290 580

Scale in Feet

FORD & ASSOCIATES, INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS		Project:	Subject Property Vicinity Map Undeveloped Lots 2 - 5 Kapolei Parkway Property TMK No. (1) 9-1-160: Parcel 064 (Portion) Kapolei, Oahu, Hawaii
Project Number: 25-2611	Created by: LF		
Date: 12/05/25	Reviewed By: TS	Client:	Kobayashi Group, LLC

Figure **2**



Image Source: Google Earth 2022

N

0 145 290 580

Scale in Feet

FORD & ASSOCIATES, INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS

Project Number: 25-2611	Created by: LF
Date: 12/05/25	Reviewed By: TS

Decision Unit Location Map

Project: Undeveloped Lots 2 - 5 Kapolei Parkway Property
TMK No. (1) 9-1-160: Parcel 064 (Portion)
Kapolei, Oahu, Hawaii

Client: Kobayashi Group, LLC

Figure 3

PHOTOGRAPHS

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Overview of Lot 2 on the western portion of the subject property, looking east	PHOTO **1**



Metal-grated storm drain opening and Geolabs survey marker on the western portion of the subject property (Lot 2)	PHOTO **2**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Area of roadway easement and portion of Kauwela Street between Lots 2 and 3, looking south	PHOTO **3**



Overview of Lot 3 on the west-central portion of the subject property, showing one metal-grated storm drain opening (at center), looking east	PHOTO **4**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Polyvinyl chloride pipe and miscellaneous household debris on the northern portion of Lot 3 at the subject property	PHOTO 5



Row of rebar protruding from the ground on Lot 3 at the subject property	PHOTO 6

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Overview of Lot 4 on the east-central portion of the subject property, looking southeast	PHOTO 7



Concrete drainage culvert (1 of 2) on the northwest side of Lot 4 at the subject property	PHOTO 8

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Ponded water in a low-lying northwest portion of Lot 4	PHOTO **9**



Concrete drainage culvert (2 of 2) on the southwest side of Lot 4 at the subject property	PHOTO **10**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Overview of the east-central portion of the subject property (eastern portion of Lot 4), looking northeast	PHOTO **11**



Overview of the central portion of the subject property (western portion of Lot 4), looking west	PHOTO **12**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Rock and concrete drainageway in low-lying area on the northern portion of the subject property, between Lots 4 and 5, looking north-northeast	PHOTO **13**



Area of roadway easement and Alohikea Street between Lots 4 and 5, looking south	PHOTO **14**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Overview of Lot 5 on the eastern portion of the subject property, looking east

PHOTO **15**



View of eastern side of the subject property (Lot 5), showing two concrete culverts and concrete-paved drainage swale

PHOTO **16**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Close-up view of concrete culvert (1 of 2) on the southeast side of the subject property (Lot 5)	PHOTO **17**



Concrete-paved drainage swale on the east-central portion of the subject property (Lot 5), looking north	PHOTO **18**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Wakea Street and east adjacent residential townhouses, looking east	PHOTO **19**



South adjoining residential townhouses, looking south	PHOTO **20**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



West adjoining undeveloped lot, looking west-southwest

PHOTO **21**



Kapolei Parkway and north adjacent undeveloped lot, looking north

PHOTO **22**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Kapolei Parkway and north adjacent Kapolei Satellite City Hall parking lot, looking north	PHOTO **23**



Intersection of Kamaaha Avenue and Kapolei Parkway, beyond which is a north adjacent undeveloped lot, looking northeast	PHOTO **24**

Client:	Kobayashi Group, LLC	**Project No.:**	25-2611
Site Name:	Undeveloped Lots 2 - 5 Kapolei Parkway Property Kapolei, Oahu, Hawaii	**Date:**	November 13, 2025



Kapolei Parkway and north adjacent Mattress Firm, Paco's Tacos Cantina, Ninja Sushi, and Dado Dentistry commercial building, looking north

PHOTO **25**



Intersection of Wakea Street and Kapolei Parkway, beyond which are northeast adjacent residential apartments, looking northeast

PHOTO **26**

TABLE

Table
Summary of Soil Analytical Results
Undeveloped Lots 2 Through 5 Kapolei Parkway Property
Kapolei, Oahu, Hawaii

Project No. 25-2611

Analyte	Units:	Sample ID: DU-1 Sample Date: 11/13/25 Depth (inches): 0 to 3	DU-1D 11/13/25 0 to 3	DU-1T 11/13/25 0 to 3	DU-2 11/13/25 0 to 3	DU-3 11/13/25 0 to 3	DU-4 11/13/25 0 to 3	DU-5 11/13/25 0 to 3	HDOH Tier 1 EALs Unrest.
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Metals / EPA Method 6020B/3050B									
Arsenic		7.9	7.5	6.2	4.5	4.2	22	20	24
Organochlorine Pesticides / EPA Method 8081B/3550C									
a-BHC[1]		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	0.075
g-BHC (Lindane)		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	0.075
b-BHC[1]		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	0.075
Heptachlor		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	1.3
d-BHC[1]		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	0.075
Aldrin		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	3.9
Heptachlor epoxide		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	0.20
g-Chlordane[2]		ND< 0.0050	ND< 0.0050	ND< 0.0050	0.0060	ND< 0.0050	ND< 0.0050	ND< 0.0050	17
a-Chlordane[2]		ND< 0.0050	ND< 0.0050	ND< 0.0050	0.0061	ND< 0.0050	ND< 0.0050	ND< 0.0050	17
Endosulfan I[3]		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	13
4,4'-DDE		ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	1.9
Dieldrin		0.0029	0.0031	0.0027	0.0085	ND< 0.0010	ND< 0.0010	ND< 0.0010	2.5
Endrin		ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	ND< 0.0010	3.8
4,4'-DDD		ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	2.2
Endosulfan II[3]		ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	13
4,4'-DDT		ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	1.8
Endrin Aldehyde[4]		ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	3.8
Methoxychlor		ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	16
Endrin Ketone[4]		ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	ND< 0.0050	3.8
Endosulfan sulfate[3]		ND< 0.010	ND< 0.010	ND< 0.010	ND< 0.010	ND< 0.010	ND< 0.010	ND< 0.010	13
Technical Chlordane		ND< 0.10	ND< 0.10	ND< 0.10	ND< 0.10	ND< 0.10	ND< 0.10	ND< 0.10	17
Toxaphene		ND< 0.20	ND< 0.10	ND< 0.10	ND< 0.10	ND< 0.10	ND< 0.10	ND< 0.10	0.48

HDOH Tier 1 EAL — Hawaii State Department of Health (HDOH) Tier 1 Environmental Action Levels (EALs) at sites where drinking water is not threatened and the site is not located within 150 meters of a surface water body
Unrest. — Unrestricted Action Level
mg/kg — Milligrams per kilogram
EPA — Environmental Protection Agency
ND< — Analyte not detected. The value after the '<' is the laboratory Reporting Limit (RL).

[1] While there is no EAL for this analyte, the EAL for g-BHC was used as a proxy value.
[2] While there is no EAL for this analyte, the EAL for Technical Chlordane was used as a proxy value.
[3] While there is no EAL for this analyte, the EAL for Endosulfan was used as a proxy value.
[4] While there is no EAL for this analyte, the EAL for Endrin was used as a proxy value.

APPENDIX A

RESUMES

928 Nuuanu Avenue, Suite 505
Honolulu, HI 96817
808.426.6927

FORD & ASSOCIATES, INC.
Environmental Scientists & Engineers

Tim Swartz
Senior Project Manager

Associate of Science Degree (AS)
Occupational and Environmental Safety Management
Honolulu Community College
Honolulu, Hawaii

Undergraduate Studies in Psychology and Biology
University of Kansas
Lawrence, Kansas

Environmental Professional (as defined in Section 312.10 of 40 CFR 312)

Asbestos Hazard Emergency Response Act (AHERA) Building Inspector

AHERA Management Planner
State of Hawaii Department of Health (DOH) - Certified Asbestos Project Monitor

National Institute of Occupational Safety and Health (NIOSH) 582 Phase Contrast Microscopy/Asbestos Identification/AAR Participant

SCITEC Radiation Safety Training

OSHA 40-Hour Hazardous Waste, Health, and Safety Accreditation/Annual Update

Lead-Based Paint Inspector

Lead-Based Paint Abatement Worker Awareness Training Course

Tim Swartz is an Environmental Professional with over 35 years of experience in the environmental and industrial hygiene fields. His background includes numerous Phase I environmental site assessments (ESAs) and management of large-scale Phase I ESA projects; soil and groundwater sampling; asbestos and lead paint assessments and management of large-scale asbestos and lead paint projects; air monitoring and project oversight for asbestos and lead paint abatement projects; and various air quality surveys.

Mr. Swartz has extensive project management experience and is familiar with standards and requirements of the American Society for Testing and Materials (ASTM) International standards for Phase I environmental site assessments (ESAs), and Asbestos Hazard Emergency Response Act (AHERA) standards for asbestos projects. He is also familiar with Environmental Protection Agency (EPA) regulations for asbestos building surveys and air monitoring projects; EPA and Department of Housing and Urban Development (HUD) guidelines for lead-based paint surveys and abatement; and Occupational Safety and Health Administration (OSHA) regulations for projects involving worker health and safety.

928 Nuuanu Avenue, Suite 505
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FORD & ASSOCIATES, INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS

Daniel P. Ford, PG, MBA
Principal Geologist

MBA., With Distinction, 1999
Hawaii Pacific University

Thesis topic : Environmental Management Systems and ISO 140001

BA, Geology, 1985
University of California, Berkeley

Registered Professional Geologist (P.G.), No. 0864, 1993

Mr. Ford has over 35 years of environmental consulting experience in Hawaii and the Pacific. His experience is both managerial and technical. His managerial experience includes strategic planning, business development, change management, mergers and acquisitions, profit and loss, recruitment and employee development.

His technical experience includes both private industry and government. He has managed large scale complex projects for real estate development, oil and gas industry, industrial clients and governmental agencies. His experience includes environmental management systems, risk analysis, compliance audits, due diligence for mergers and acquisitions, subsurface investigations for soil and groundwater contamination, water quality studies, site characterizations, risk assessments, hazardous waste management, remedial investigation and feasibility studies, and remediation management. His knowledge of regulations and strategy has assisted clients in negotiations with U.S. Environmental Protection Agency (EPA) and various regulatory agencies on hundreds of projects.

Mr. Ford's project experience extends throughout the Hawaiian Islands and the Pacific Basin, Korea, Japan, the Philippines, Guam, Saipan, Hong Kong, Australia, the U.S. Mainland, and Central America.

APPENDIX B

USER QUESTIONNAIRE

ASTM PRACTICE E 1527-13 USER/CLIENT QUESTIONNAIRE
To be returned to Ford & Associates with the authorized proposal

GENERAL INFORMATION

User/Client Name(s):	Kobayashi Group
Property Name and Address (Include known current and former address[es] and parcel no.):	TMK: 1-9-1-160-064
Property Acreage:	15.2 acres
Current Property Type (Designate property type and list current tenants [business name and type of operation]):	Residential: __ Commercial: __ Industrial: __ Other: X
Type of Property Transaction with respect to User (Designate one):	Purchase: __ Lease: X Other (provide further information): __
Reason Phase I is Required (Check all that apply):	*Landowner Liability Protections* (e.g., Innocent Landowner Defense): ___ Evaluation of Business Risk: X Other (list): __ (Note: If no reason is given it is assumed that this assessment is being performed to satisfy one of the requirements for Landowner Liability Protections to *CERCLA* liability).
Site Owner/ Contact (s) (Name and phone number):	Department of Housing and Land Management Kevin Auger (808) 768-4675

Please provide the above information as well as a site plan (ALTA Survey, if available) which clearly designates the boundaries of the subject property for purposes of this Phase I ESA. A list of other Helpful documents is included with the proposal.

ASTM PRACTICE E 1527-13 USER/CLIENT QUESTIONNAIRE (Continued)

Providing the following information (if available) to the environmental professional (Ford & Associates, Inc.) is one of the requirements to qualify for one of the Landowner Liability Protections (LLPs) offered under CERCLA. Missing or incomplete information could result in a determination that "all appropriate inquiry" is not complete. If further information is desired regarding these issues, Ford & Associates, Inc. recommends you consult with an Environmental Attorney.

REQUIRED INFORMATION

The citation at the end of each item (e.g., 40 CFR 312.XX) is the section of EPA's November 1, 2005 AAI Final Rule which discusses that item. The ASTM Standard requires that reasonably ascertainable recorded land title records that are filed under federal, tribal, state and local law should be reviewed to determine the presence of Environmental Liens and Activity and Use Limitations (AULs) that are currently recorded against the property. This should also include a review of Environmental Liens and AULs that are imposed by judicial authorities and recorded/filed in judicial records. The Standard recommends that the User retain a title company or title professional to undertake a review of recorded land title records. Furthermore, the User is to provide any actual knowledge on Environmental Liens and AULs, as well as other selected information regarding *recognized environmental conditions,* to the *environmental professional.*

1. **Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).**
Given the above requirement, are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law? (Check One)

No: X

Yes (If "Yes" provide further information): ___

(Note: If you desire that Ford & Associates, Inc. retain a title company/title professional on your behalf to review reasonably ascertainable recorded land title records for the presence of environmental cleanup liens and AULs currently recorded against the property please designate such on the Proposal Acceptance Agreement)

2. **Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).**
Given the above requirement, are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (Check One)

No: X

Yes (If "Yes" provide further information): ___

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the *user* of this *ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business? (Check One)

No: X

Yes (If "Yes" provide further information): ___

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

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*?

Yes: ___

No (If "No" provide further information): ___

Not Applicable (e.g., transaction is a lease): X

5. Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

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: Property has been vacant

Yes (If "Yes" provide further information):

For example, as *user*,

(a.) Do you know the past uses of the *property*?

No: ___

Yes (If "Yes" provide further information): ___

(b.) Do you know of specific chemicals that are present or once were present at the *property*?

No: X

Yes (If "Yes" provide further information): ___

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?

No: X

Yes (If "Yes" provide further information): ___

(d.) Do you know of any environmental cleanups that have taken place at the *property*?

No: X

Yes (If "Yes" provide further information): ___

6. The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *user* of this *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*?

No: X

Yes (If "Yes" provide further information): ___

7. Proceedings involving the *property* (ASTM E 1527-05 § 10.9).

Are you aware of any of the following:

(a.) Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?

No: X

Yes (If "Yes" provide further information): ___

(a.) Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?

No: X

Yes (If "Yes" provide further information): ___

(b.) Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

No: X

Yes (If "Yes" provide further information): ___

SIGNATURE

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that Ford & Associates, Inc. will evaluate and rely on this information in the development of the final Phase I ESA report.
Questionnaire Prepared By:
Print/Type Name:
Title:
Company:
Date:

APPENDIX C

TOPOGRAPHIC MAPS

Undeveloped Lots 2 - 5
91-683 Wakea Street
Kapolei, HI 96707

Inquiry Number: 8171545.4
November 13, 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

11/13/25

Site Name:

Undeveloped Lots 2 - 5
91-683 Wakea Street
Kapolei, HI 96707
EDR Inquiry # 8171545.4

Client Name:

Ford & Associates, Inc.
928 Nuuanu Avenue, Suite 505
Honolulu, HI 96813
Contact: Leah Ford

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ford & Associates, Inc. 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:

P.O.# NA
Project: 25-2611

Coordinates:

Latitude:	21.327756 21° 19' 40" North
Longitude:	-158.080458 -158° 4' 50" West
UTM Zone:	Zone 4 North
UTM X Meters:	595359.76
UTM Y Meters:	2358700.32
Elevation:	49.97' above sea level

Maps Provided:

2017	1953
2013	1928
1998	
1983	
1977	
1970	
1968	
1962	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2017 Source Sheets



Ewa
2017
7.5-minute, 24000

2013 Source Sheets



Ewa
2013
7.5-minute, 24000

1998 Source Sheets



Ewa
1998
7.5-minute, 24000
Aerial Photo Revised 1998

1983 Source Sheets



Ewa
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



Ewa
1977
7.5-minute, 24000
Aerial Photo Revised 1977

1970 Source Sheets



OAHU
1970
15-minute, 62500

1968 Source Sheets



Ewa
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1962 Source Sheets



Ewa
1962
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 Source Sheets

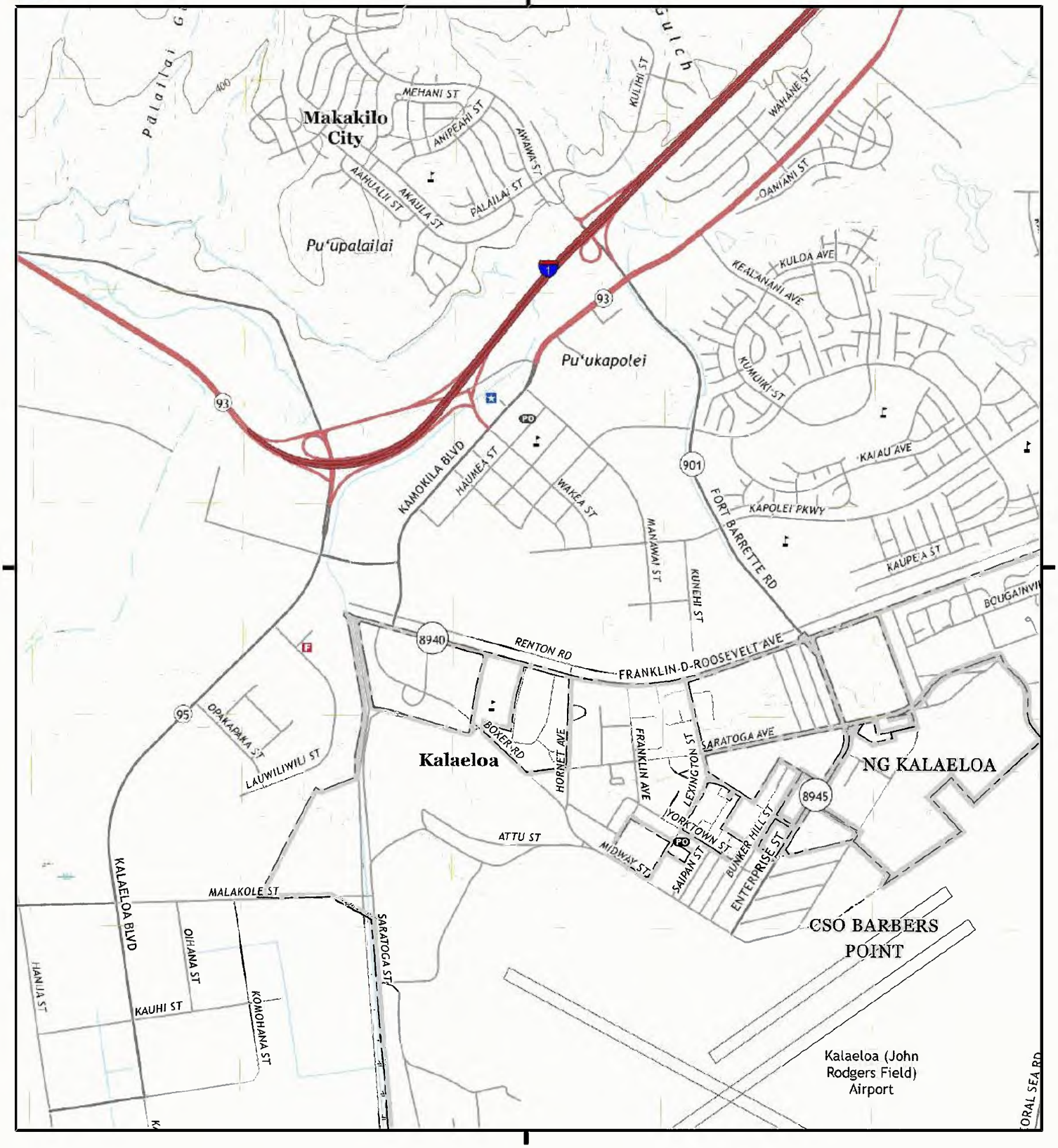


Ewa
1953
7.5-minute, 24000
Aerial Photo Revised 1952

1928 Source Sheets



BARBERSPOINT
1928
7.5-minute, 20000



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

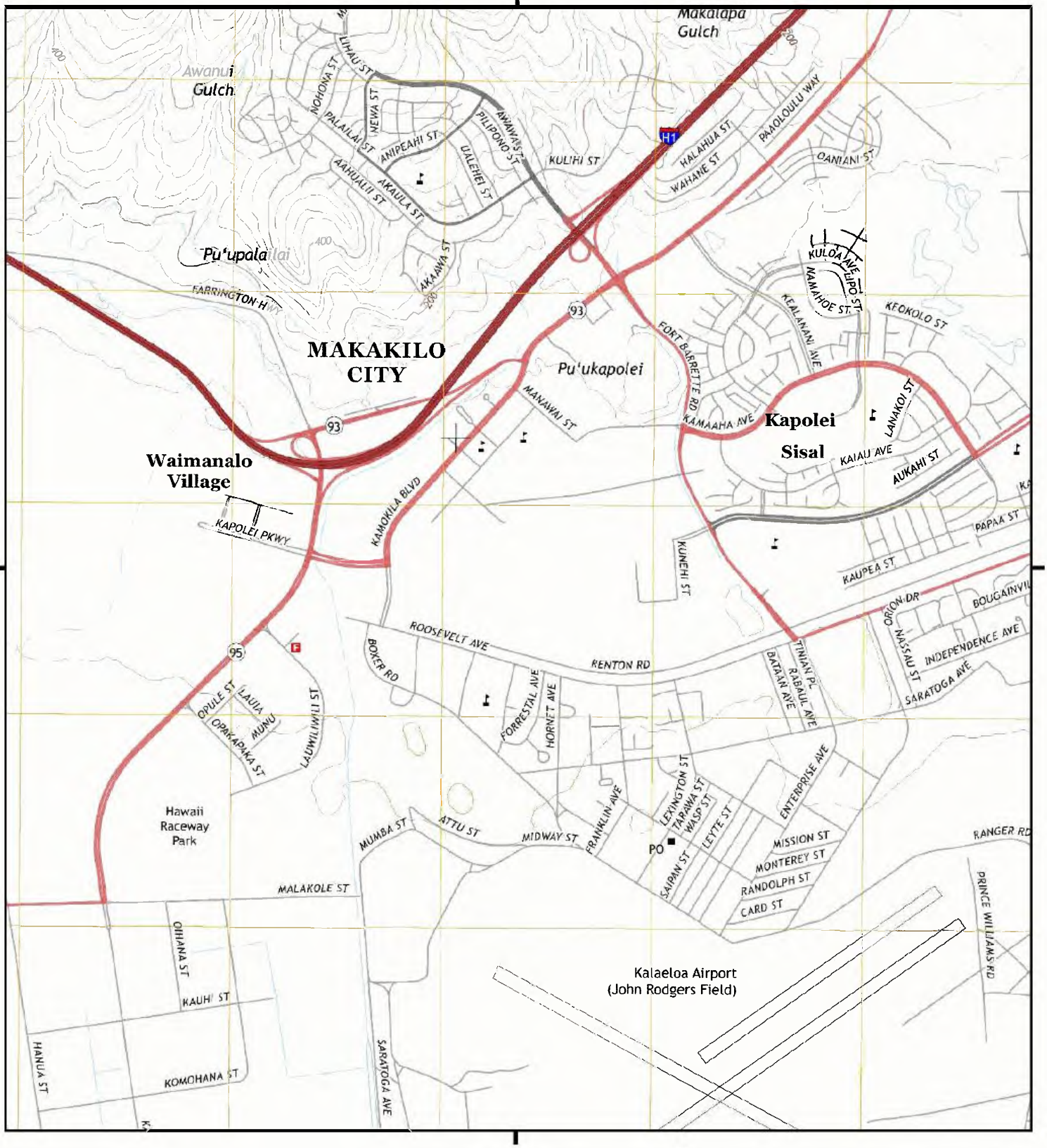
TP, Ewa, 2017, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

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

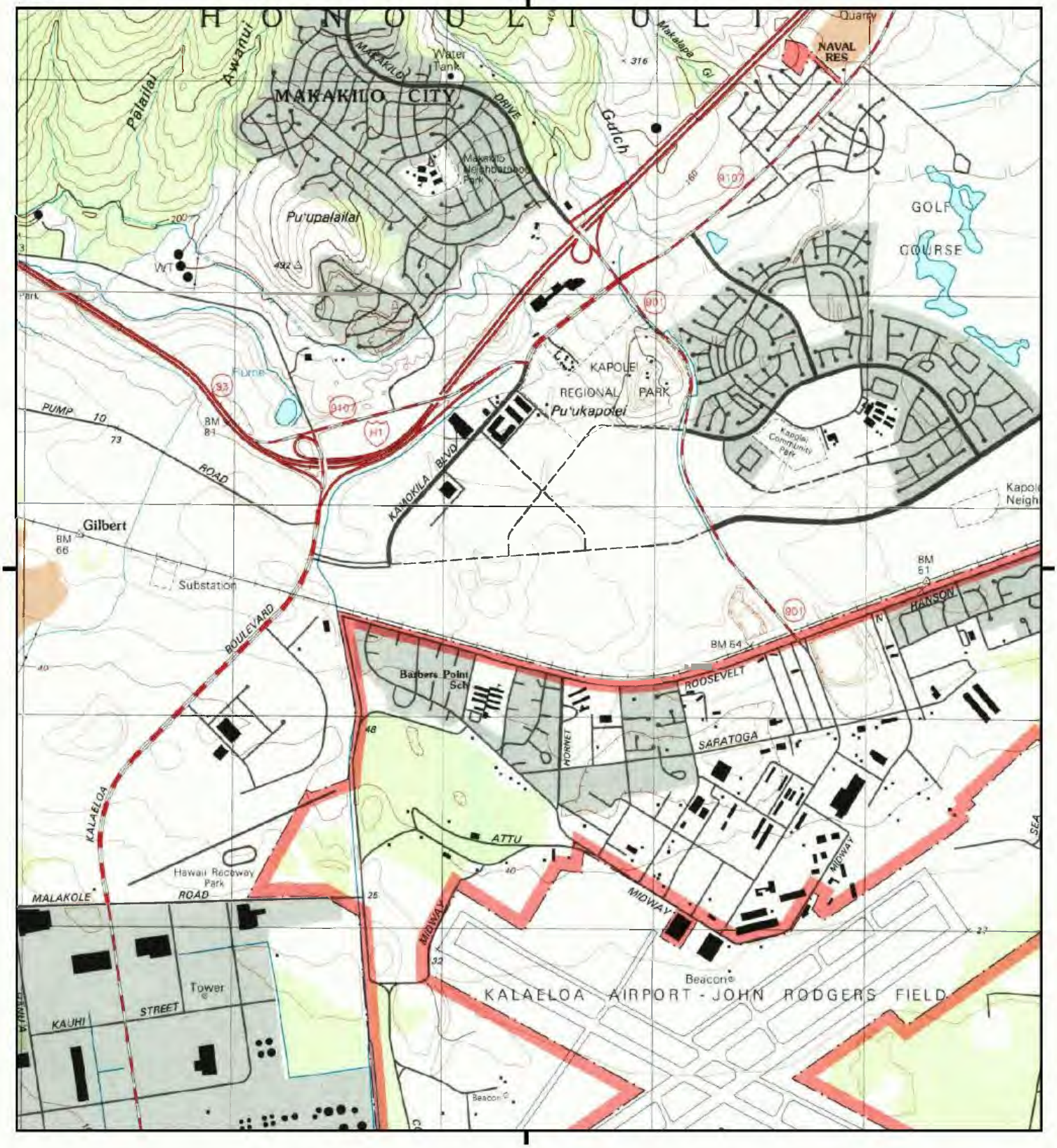
TP, Ewa, 2013, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

N

Historical Topo Map

1998



This report includes information from the following map sheet(s).

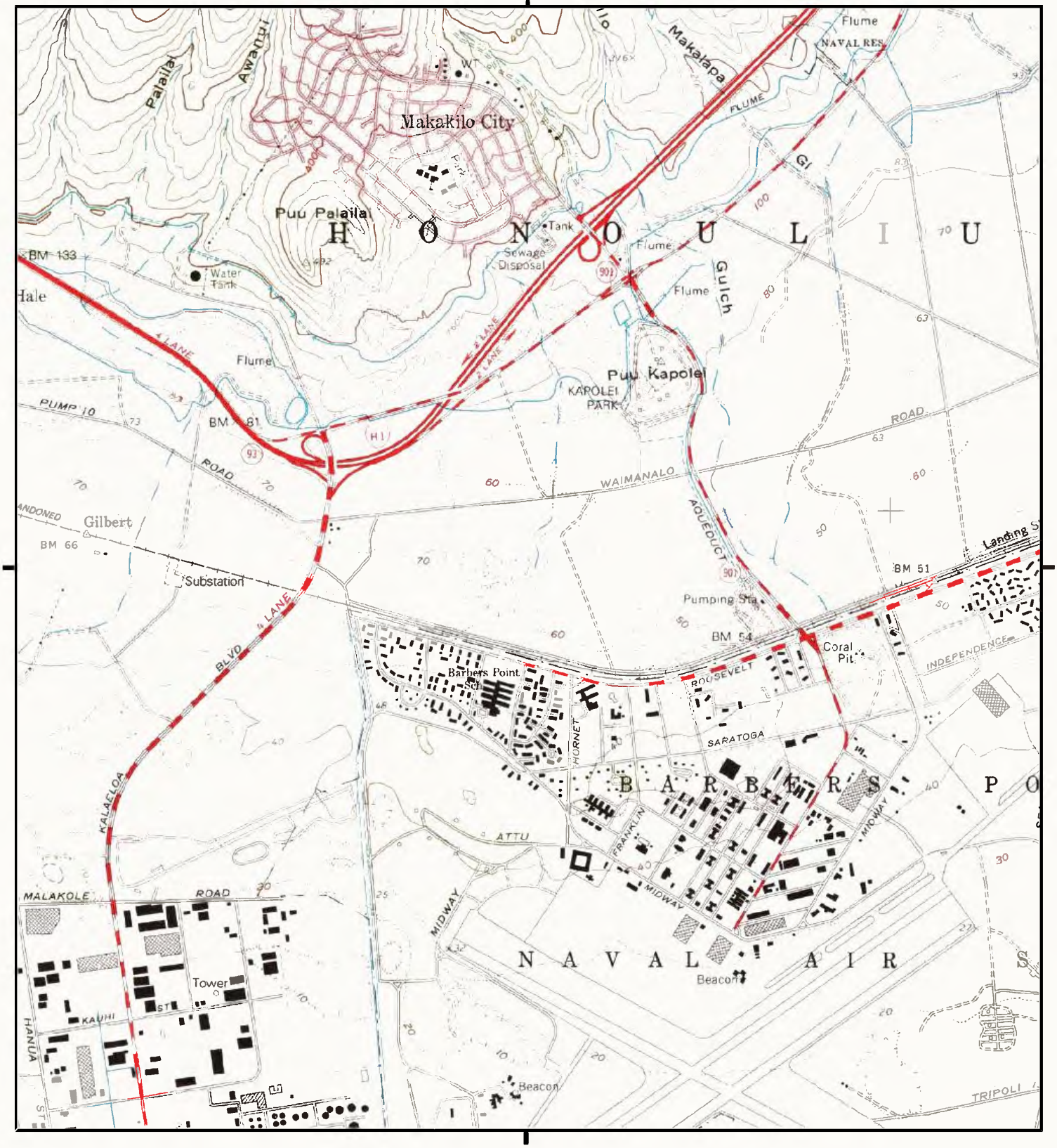
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Ewa, 1998, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

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, Ewa, 1983, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

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

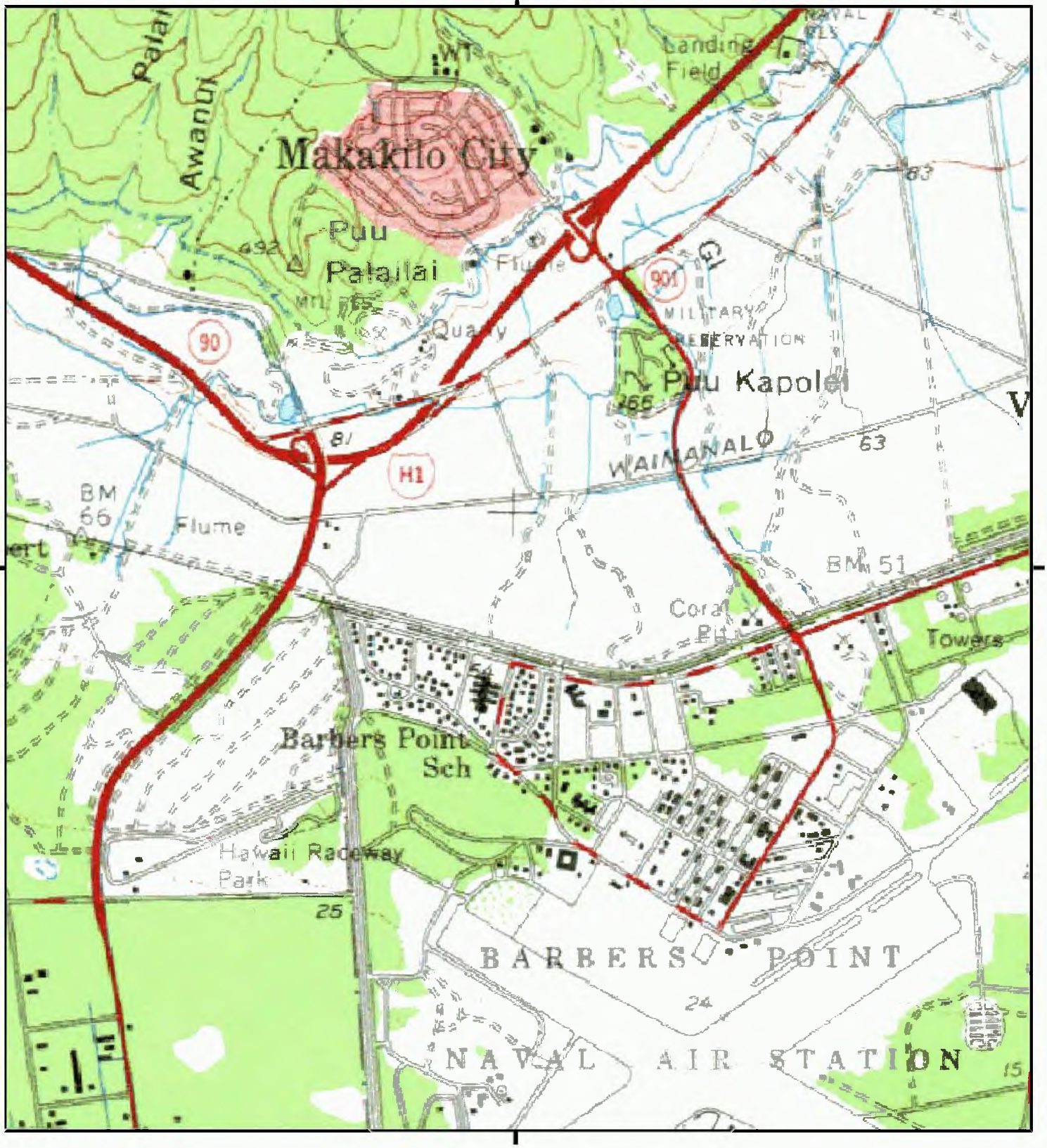
TP, Ewa, 1977, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

N

Historical Topo Map

1970



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

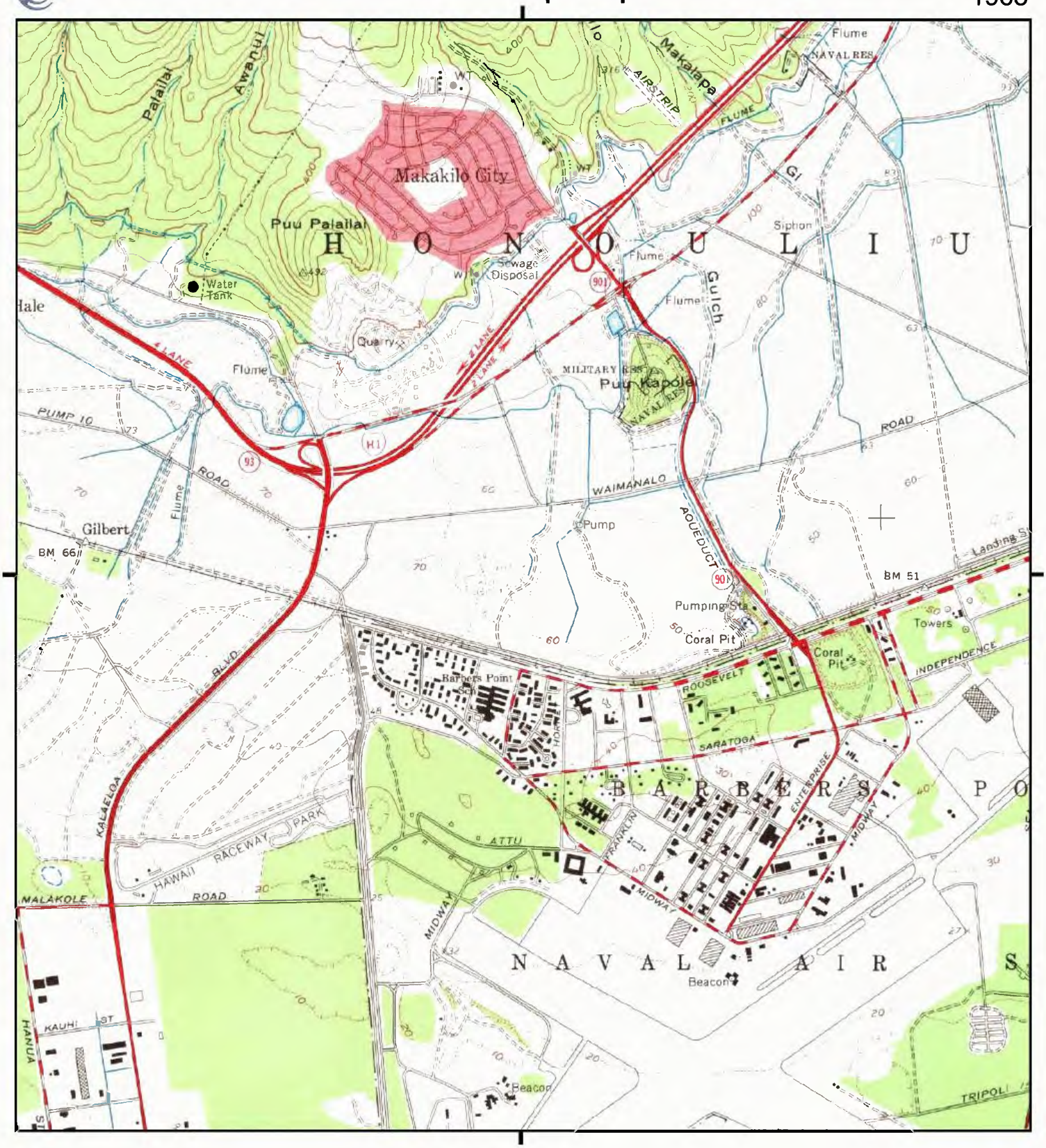
TP, OAHU, 1970, 15-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

N

Historical Topo Map

1968



This report includes information from the following map sheet(s).

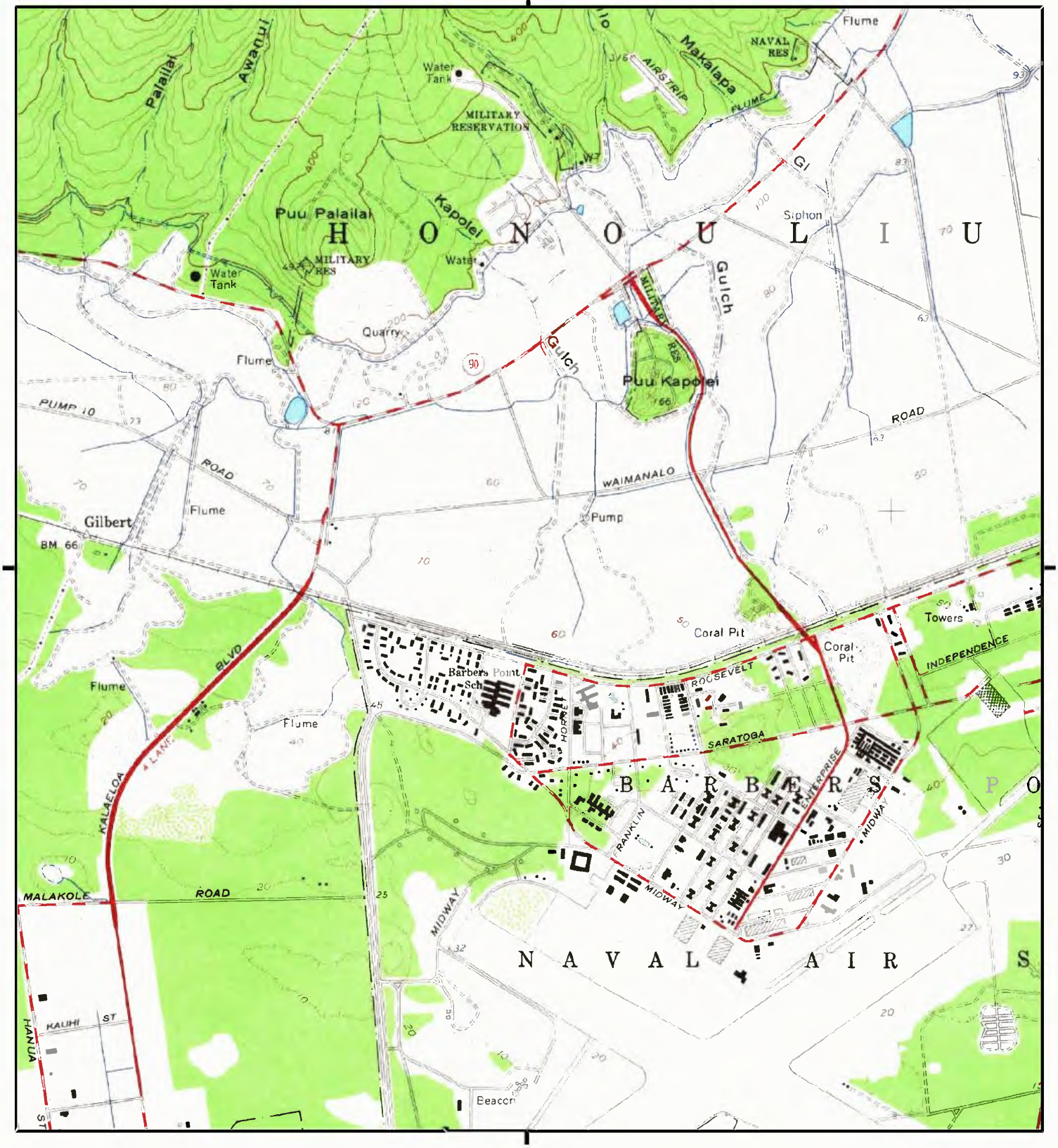
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Ewa, 1968, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

N



This report includes information from the following map sheet(s).

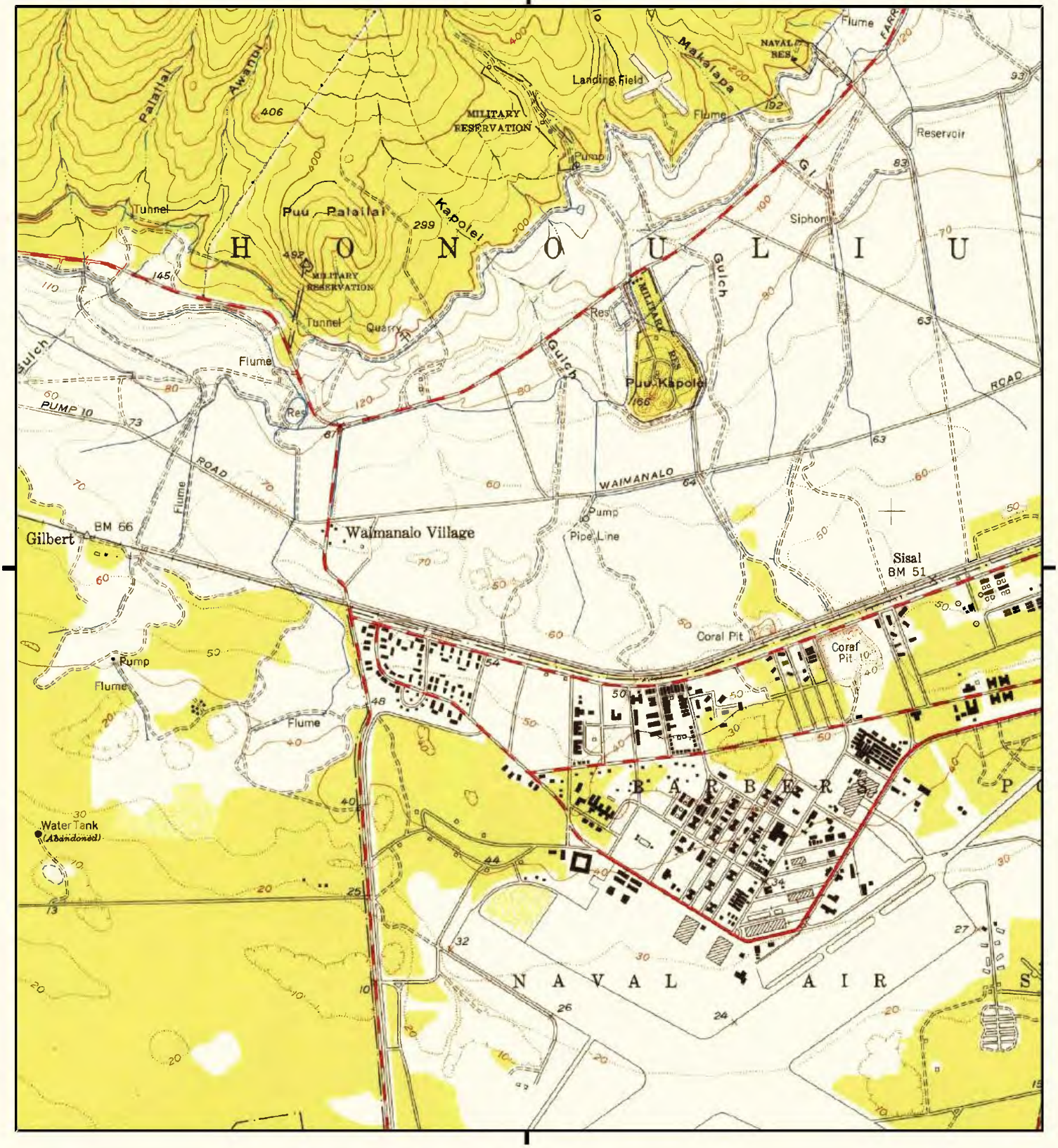
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Ewa, 1962, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

N



This report includes information from the following map sheet(s).

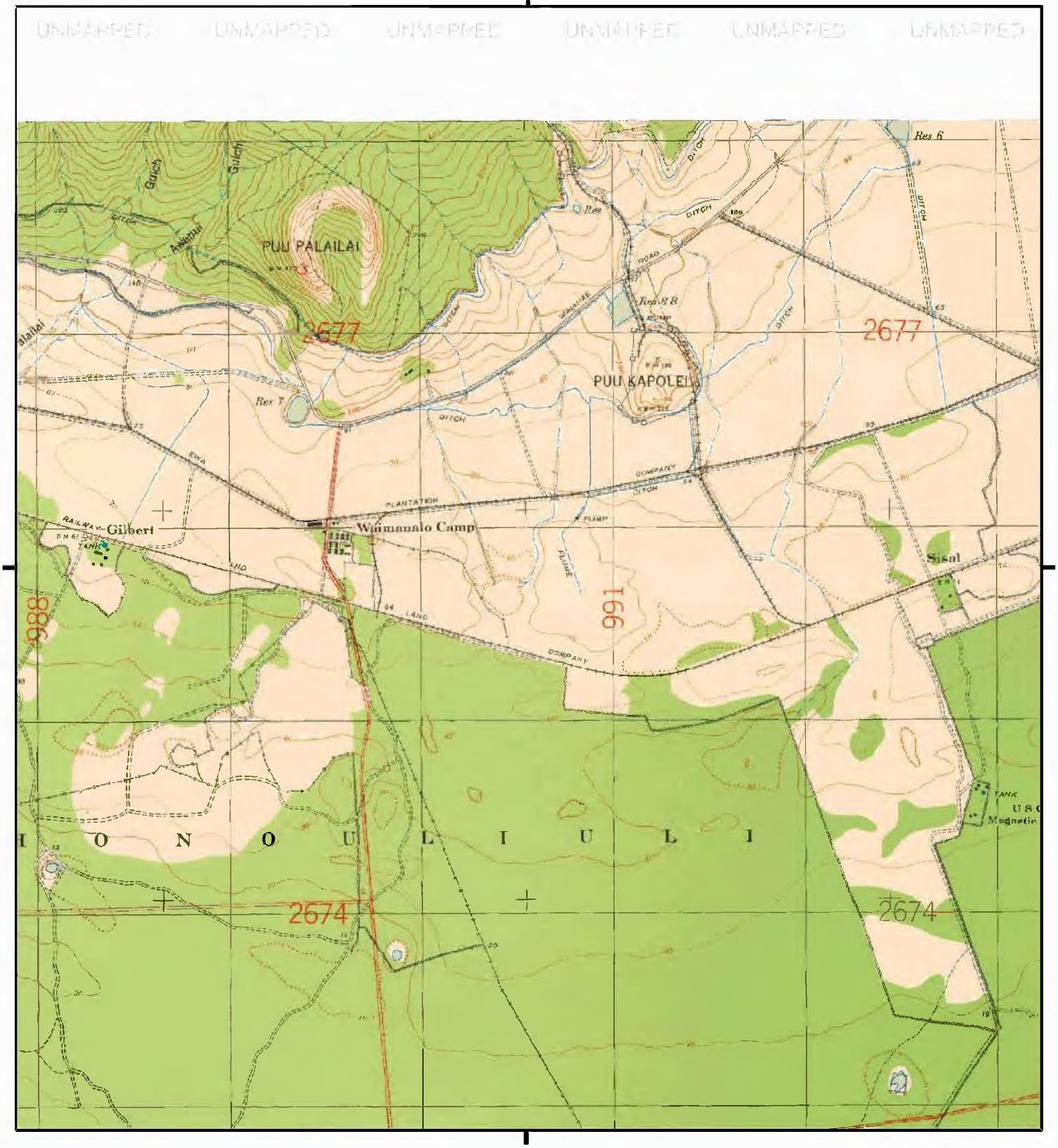
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Ewa, 1953, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

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, BARBERSPOINT, 1928, 7.5-minute

SITE NAME: Undeveloped Lots 2 - 5
ADDRESS: 91-683 Wakea Street
Kapolei, HI 96707
CLIENT: Ford & Associates, Inc.

N

APPENDIX D

AERIAL PHOTOGRAPHS

Undeveloped Lots 2 - 5

91-683 Wakea Street

Kapolei, HI 96707

Inquiry Number: 8171545.11

November 13, 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

11/13/25

Site Name:

Undeveloped Lots 2 - 5
91-683 Wakea Street
Kapolei, HI 96707
EDR Inquiry # 8171545.11

Client Name:

Ford & Associates, Inc.
928 Nuuanu Avenue, Suite 505
Honolulu, HI 96813
Contact: Leah Ford

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
2008	1"=500'	Flight Date: April 26, 2008	USGS
2001	1"=500'	Acquisition Date: February 22, 2001	USGS/DOQQ
1992	1"=500'	Flight Date: September 25, 1992	USGS
1985	1"=500'	Flight Date: May 08, 1985	USGS
1977	1"=500'	Flight Date: February 12, 1977	USGS
1975	1"=500'	Flight Date: July 15, 1975	USGS
1968	1"=500'	Flight Date: February 06, 1968	USGS
1962	1"=500'	Flight Date: November 02, 1962	USGS
1951	1"=500'	Flight Date: May 14, 1951	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.

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INQUIRY #: 8171545.11
YEAR: 2022
= 500'
N
EDR


INQUIRY #: 8171545.11
YEAR: 2017
= 500'
N
EDR



INQUIRY #: 8171545.11

YEAR: 2011

= 500'

N

EDR



INQUIRY #: 8171545.11

YEAR: 2008

= 500'

N

EDR



INQUIRY #: 8171545.11

YEAR: 2001

= 500'

N

EDR


INQUIRY #: 8171545.11
YEAR: 1992
= 500'
N
EDR


INQUIRY #: 8171545.11
YEAR: 1985
= 500'
N
EDR
Subject boundary not shown because it exc


INQUIRY #: 8171545.11
YEAR: 1977
= 500'
N
EDR


INQUIRY #: 8171545.11
YEAR: 1975
= 500'
N
EDR


INQUIRY #: 8171545.11
YEAR: 1968
= 500'
N
EDR



INQUIRY #: 8171545.11

YEAR: 1962

= 500'

N

EDR


INQUIRY #: 8171545.11
YEAR: 1951
= 500'
N
EDR

APPENDIX E

SANBORN FIRE INSURANCE MAPS

Undeveloped Lots 2 - 5
91-683 Wakea Street
Kapolei, HI 96707

Inquiry Number: 8171545.3
November 13, 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

11/13/25

Site Name:

Undeveloped Lots 2 - 5
91-683 Wakea Street

Client Name:

EDR Inquiry #

Contact:

Certified Sanborn Results:

Certification #

PO #

Project

Sanborn® Library search results

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™

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APPENDIX F

ENVIRONMENTAL LIEN AND AUL SEARCH

UNDEVELOPED LOTS 2 - 5
91-683 WAKEA STREET
KAPOLEI, HI 96707

Inquiry Number: 8171545.7S
NOVEMBER 17, 2025

EDR Environmental Lien and AUL Search

EDR®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 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, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address and/or parcel information to:

- search for parcel information 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 present
- 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.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

UNDEVELOPED LOTS 2 - 5

91-683 WAKEA STREET

KAPOLEI, HI 96707

RESEARCH SOURCE

JUDICIAL RECORDS ***NOT*** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION ***DOES NOT*** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: HONOLULU COUNTY RECORDER'S OFFICE

Source 2: HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description:	POR LOT 1 FP 2547 (20.266 AC) & LOT 3-A (7.788 AC) SUBJ/ESMTS
Current Owner:	CITY & COUNTY OF HONOLULU
Property Identifiers:	1-9-1-160-064-0000
Comments:	NO DEED FOUND 1980 - PRESENT.

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

APPENDIX G

CITY DIRECTORY REPORT

Undeveloped Lots 2 - 5
91-683 Wakea Street
Kapolei, HI 96707

Inquiry Number: 8171545.5
November 13, 2025

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

Thank you for your business.
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with any questions or comments.

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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.

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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*
2022	☑	☑	EDR Digital Archive
2017	☐	☑	Cole Information
2014	☐	☑	Cole Information
2010	☐	☑	Cole Information
2005	☐	☑	Cole Information
2000	☐	☐	Cole Information
1995	☐	☐	Cole Information
1992	☐	☐	Cole Information
1974	☐	☐	General Telephone Co

FINDINGS

TARGET PROPERTY STREET

91-683 Wakea Street
Kapolei, HI 96707

Year	*CD Image*	*Source*	
WAKEA ST			
2022	pg A16	EDR Digital Archive	
2017	-	Cole Information	Street not listed in Source
2014	-	Cole Information	Street not listed in Source
2010	-	Cole Information	Street not listed in Source
2005	-	Cole Information	Street not listed in Source
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source
1974	-	General Telephone Co	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
KAPOLEI PKWY			
2022	pg. A2	EDR Digital Archive	
2017	pg. A18	Cole Information	
2014	pg. A19	Cole Information	
2010	pg. A20	Cole Information	
2005	pg. A21	Cole Information	
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source
1974	-	General Telephone Co	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

KAPOLEI PKWY 2022

91	A CHRISTOPHER
	ABRAM JOHNASEN
	ADAM GABRIEL
	ADRIANE TELLES
	AGUSTIN ALVAREZ
	ALBERT CHOI
	ALEXANDER MAGBAG
	ALGERICO UGANIZA
	ALICIA MURO
	ALYSSA BAUZON
	ANDRES MURILLO
	ANNETTE PRINTERS
	ANOLILO SEGA
	ANTHONY LEON
	ANTHONY MORTIMER
	ANUBHAV GUPTA
	ARNEL FLORENDO
	ARTHUR DEROUEN
	ASTERIO CRISOSTOMO
	AUDIA LEVY
	BARBARA TUTTLE
	BARRY SUGITA
	BAYMAR MARTINEZ
	BENJAMIN DAO
	BENJAMIN MASUMOTO
	BERNHARD RONGCAL
	BLAZEN CALMA
	BOBBY WALLACE
	BRANDON JASPER
	BRANDON LIU
	BRANDON MILLER
	BRIAN ABES
	BRIAN DUGAY
	BRIAN HART
	BRIAN NISHIHARA
	BRIGHAM ELLIOTT
	BRYAN KANE
	CAESAR LAZARO
	CALVIN IMAHARA
	CAMERON MOTZ
	CANDACE MADELA
	CEDRIC HOWARD
	CELINA UEHARA
	CESAR CARGANILLA
	CHAD AOKI
	CHARLES CARSON
	CHARLES CHACKO
	CHERIE LEE
	CHI JEONG
	CHRIS COLOMA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

KAPOLEI PKWY 2022 (Cont'd)

91	CHRISTIAN STEVENS
	CHRISTINA MARSH
	CHRISTOPHER BRAND
	CHRISTOPHER COLBERT
	CHRISTOPHER GERHART
	CHRISTOPHER MANUEL
	CHRISTOPHER MITCHELL
	CHRISTOPHER TUNOA
	CHUNG LEE
	CISCO JOHNSON
	CLAYTON SKOOG
	CLESSON SATO
	COLIN DAVIS
	CONRAD BERNISTO
	CONRAD PRUSSE
	DANIEL BATTY
	DANIEL BOSTIAN
	DARREN GUREE
	DARRYL JAMES
	DARRYL WASSUM
	DARWIN CABADEANA
	DARWYN SCOTT
	DARYL SAKUGAWA
	DAVID DECOITE
	DAVID ENRIQUEZ
	DAVID GRONLEY
	DAVID SMITH
	DEBBIE GILLIARD
	DEMETRI STILLS
	DOMINIQUE GASTELUM
	DONNA CIMINO
	DONOVAN SCOTT
	DONOVAN TOILOLO
	DORAN CHAVEZ
	DRAKE RICKARD
	DUSTAN WESTRICH
	DWIGHT MASCOWE
	EDDIE KO
	EDLRED KAPULE
	EDRALYN BALACY
	EDWIN RAGADI
	ELFREN CACAYORIN
	ELIZABETH DUPLON
	ELIZABETH KIMBALL
	ELIZABETH ZEONE
	ELLEN LAKEY
	EMERSON ACIDO
	EPIFANIO RAMOS
	ERIC ALEGATA
	ERIC DELA CRUZ

KAPOLEI PKWY 2022 (Cont'd)

91
ERIC STEELY
ERIN MURAKAMI
ESTEBAN VILLARINO
ETI FALANIKO
EUGENE DZATHOR
EULALIO MEDINA
FALEALII TUIASOSOPO
FEDERICO ABES
FRANCIS MCLAUGHLIN
FRANCISCO LADINES
FRANCISCO PEREZ
FRANCISCO RIOS-MALDONADO
FRANK EMPRON
FRANK GIARETTO
FRANK MORENO
FRANKLIN THURMAN
FREDDIERIC DELARA
GALILEO FLORES
GALO CAMACHO
GARET YOSHIMURA
GARRETT ALCOTT
GARY RAYMUNDO
GEORGE GARLITOS
GEORGE KILA
GEORGE KUPIHEA
GERALD RAYNER
GERRY BODARY
GIL GAJARDO
GILBERT COLOMA
GILBERT MUNIZ
GRANT DEMESILLO
GREG SUGUITAN
GUANGPIN LIU
HASLEY ALBANO
HENRY YOUNGE
HOWARD BELTRAN
HSIN-TINE LIU-TOM
HUI WANG
HUY LAM
IAN HOWELL
IGOR MACHADO
IMACULADA VASQUEZ
ISIDRO GUIALA
J WILSON
JACK CLARK
JACOB HINA
JACOB REMOKET
JAMAL MADURO
JAMES DOBSON
JAMES MURPHY

KAPOLEI PKWY 2022 (Cont'd)

91	JAMESON AKAU
	JASMINE EUGENIO
	JASON COLLO
	JASON DUNAHOO
	JASON RIVERA
	JASON ROSALES
	JAVIER CORONADO
	JAY ENANORIA
	JAYDEN GALLARDE
	JAYSON TSUKAYAMA
	JEFFERY EDLUND
	JEFFREY BAILEY
	JEFFREY COX
	JEFFREY PAUDAN
	JEFFREY PESCADOR
	JENNIFER BILAN
	JEREMIAH BEAR
	JEREMY ADDLEMAN
	JESSE AGONIAS
	JESSICA DRAHN
	JEWEL FAUTANU
	JHON-JHON PELAYO
	JIMMY SENGDETKA
	JIMMY YI
	JOEL DIRIC
	JOHN KANEKO
	JOHN MAHER
	JOHN MALLARI
	JOHN MCCARTHY
	JOHN RACIMO
	JOHN REED
	JOHN SEGAWA
	JOHN TOLENTINO
	JOHN TOROSIAN
	JOHNATHON KRASKA
	JON NGUYEN
	JON RAPISURA
	JONATHAN KRUG
	JONATHAN SOKOLOFF
	JORDAN ILAGAN
	JORDAN JIMENEZ
	JOSEPH CASTRO
	JOSEPH CORREA
	JOSEPH LOLLINO
	JOSEPH SUTTLES
	JOSHUA CHO
	JOSHUA GREEN
	JOSHUA SHEARER
	JUAN HERRERA
	JUAN MALDONADO

KAPOLEI PKWY 2022 (Cont'd)

91	JUAN RIVERA-RIOS
	JUSTIN CHILDS
	JUSTIN CORBETT
	JUSTIN KEAHILIHAU
	JUSTIN SHIM
	JUSTIN SLOAN
	KAM YU
	KASHIA JONES
	KATIE VAN
	KEITH SALACUP
	KEMISHA DREW
	KEN CHANG
	KENNETH LEE
	KENNETH SHUM
	KENNY TABULA
	KEOLAHOU CHING
	KEONI CHONG
	KEVIN HADDOCK
	KEVIN MUSSMAN
	KEVIN RICHARD
	KEVIN TANAKA
	KINSLEYKIM KAHUMOKU
	KYLE ALBANO
	L ACOBA
	LAAULI UTUPO
	LANCE MARUSHIGE
	LANDEN CAMMACK
	LAROMA PARKER
	LARRY DAUGHTERY
	LAUREN WHIFE
	LEENA ASSAF
	LEEVAN DASIG
	LEIGHTON FORD
	LEOMAR LOPEZ
	LEQUONNE CURRY
	LEVI DORSEY
	LIANWEI DONG
	LILY STOWELL
	LOGAN BAGGETT
	LOLITO DELA CRUZ
	LOREN PINO
	LORI ANN NAKAMURA
	LORI MENTZER
	LORYFEL MILLER
	LUIS MALETA
	LUIS RIOS
	MANUEL SOTELO
	MARC MITSUI
	MARCO PORTILLO
	MARIE BRADLEY

KAPOLEI PKWY 2022 (Cont'd)

91	MARK FORD
	MARK IWASAKI
	MARK SINNOTT
	MARK TANIMURA
	MARK TRAHAN
	MARK UNABIA
	MARKUS SPEIDEL
	MARLEEN WONG
	MARLON JUMILA
	MARLOWE SANTOS
	MARVIN SUBIA
	MARY FREEMAN
	MAURICIO BARAYUGA
	MELVEEN CAMBA
	MELVIN SAMSON
	MICHAEL BRODSKY
	MICHAEL COYLE
	MICHAEL ETHRIDGE
	MICHAEL HEFFNER
	MICHAEL JACKSON
	MICHAEL KIM
	MICHAEL MARTIN
	MICHAEL NACNAC
	MICHAEL PEARCE
	MICHAEL SCOBLE
	MICHAEL YAMAMOTO
	MILES WATANABE
	MINAMI JONES
	MYKE CHUNG
	NAOMI POMELE
	NATASHA SMITH
	NATHANIELL HURTADO
	NEIL VERNON
	NELS WINKLER
	NELSON TOMALA
	NICOLAS LONGPRE
	NOAH MULLER
	ORLANDO BLANCO
	OSVALDO TORRES
	OTTO MOORE
	PAMELA HODDER
	PATRICIA CAMARILLO
	PATRICIA SCHULER
	PATRICK BALBAS
	PATRICK MYERS
	PATRICK SCHRAFFT
	PAUL MAYNARD
	PERCIVAL CASTRO
	PERLITA RHODEN
	PETER MAERTENS

KAPOLEI PKWY 2022 (Cont'd)

91	PHILIP ALISA
	PHILIP WEIMER
	QUENTIN MACHIDA
	RACHEL HALVERSON
	RALPH BALMILERO
	RAMON SARMIENTO
	RAYMUND FLORENTIN
	RAYSON KONG
	REBECCA AMASOL
	REGINALD ARANDA
	RENIER CASTILLO
	REUBEN ABRAHAM
	RICARDO ABEJUELA
	RICHARD ECRAELA
	RICHARD HOBSON
	RICHARD LEE
	RICHMOND KELIIKOA
	RICKY SIERRA
	ROBBIN MANZANO
	ROBERT CABANTING
	ROBERT DAMATO
	ROBERT JONES
	ROBERT PARRA
	ROBERT VALLADOLID
	ROBIN SOMA
	ROD ABAD
	RODOLFO AQUINO
	RODRIGO TORRES
	ROGELIO BALTAZAR
	ROLAND HOGANAS
	ROLGIE TANGALAN
	RONALD WHITE
	RONIZA TRINIDAD
	ROSALINA SALES
	RUBEN MESINAS
	RUBEN MORALES
	RYAN PAGAN
	RYAN YOUNG
	SABRINA STANLEY
	SAL TORRES
	SAMUEL GARCIA
	SAMUEL SHEPARD
	SAUNI FAGATIAI
	SCOTT GEARY
	SCOTT VOSS
	SEAN STOREY
	SEANNE QUINTAL
	SEBASTIAN LOCQUIAO
	SEVERINO GONZALES
	SHAN LIN

KAPOLEI PKWY 2022 (Cont'd)

91	SHANE WICKERT
	SHARI KAUI
	SHIVNESH KUMAR
	SIDNEY SANDRIDGE
	SIMON MARTINEZ
	SONNY KIAHA
	STEPHANIE NAPOLI
	STEPHEN COFFMAN
	STEPHEN COLE
	STEPHEN YAHN
	STEPHON SAMPSON
	STEVE YANG
	STEVEN BOVAIRD
	STEVEN HARTLEY
	STEVEN SIMEONA
	STEVEN SPEIRS
	STRACI TOBIN
	TAHJ GIVENS
	TAKAYUKI OKITA
	TANYA LIFA
	TAYLOR CARVALHO
	TERRY SUERO
	THOMAS ALIPIO
	THOMAS KAGAWA
	TIMOTHY PLETT
	TIMOTHY SMITH
	TODD UEGAWACHI
	TOMOKAZU IWATA
	TRACIE UEMURA
	TRACY FELICILDA
	TRISSIE TRAN
	TSHERING SHERPA
	TYLER MEDEIROS
	VALENTINE CACACHO
	VANCE GALAPIA
	VICTOR JONES
	VICTOR NGUYEN
	VIJAY DAS
	VILACHACK LADARA
	VINCENT PEREZ
	WALTER YOU
	WARREN MATSUNAGA
	WARREN PONCE
	WAYNE JOHNSON
	WESLEY TALLANT
	WILFREDO SAN JUAN
	WILLIAM KIM
	WILLIAM LACAR
	WILLIAM NEWBERRY
	WILSON RIVERA

KAPOLEI PKWY 2022 (Cont'd)

91	WOODROW MOORE
	YANG LIN
	YO KIM
	YOSHIKO KATSUNUMA
	ZEESHAN KHAN
	ZENAIDA ESPIRITU
4450	ALOHA SALADS
	ARLENE ROBINSON
	COLDWELL BANKER PACIFIC PROPERTIES
	COLDWELL BANKER PACIFIC PROPERTIES LTD
	COOKIES CLOTHING CO
	CVS PHARMACY
	D B GRILL
	DARCY COOK
	DUNKIN
	GENKI SUSHI
	GYU-KAKU
	HAWAIIAN ISLAND CREATIONS
	JAMES FLANAGAN
	JESSICA AKAMINE
	JESSIE MALAPIT
	JOE WONG
	JORDAN SIMON
	KERRI MIYAKE
	LA TOUR CAFE
	MENCHIES FROZEN YOGURT
	NATASHA JONES
	NINA TRAN
	OFFICE MAX
	PETCO
	PETCO ANIMAL SUPPLIES STORES, INC
	REGAL KAPOLEI COMMONS
	ROYAL NAILS LLC
	SATYA CHHE
	SEAN BULSECO
	SEAN SANTIAGO
	STARBUCKS
	SUPERCUTS
	TAMAJHVK
	TARGET
	TARGET PHARMACY
	TSA STORES, INC
	ULTA BEAUTY
	UNITED HEALTHCARE
	VERIZON
	VERIZON STORE
	YFM FISH MARKET
4460	ARRIETA MARIA ELISA AGT
	AYLA TOMAN
	COLDWELL BANKER PACIFIC PROP

KAPOLEI PKWY 2022 (Cont'd)

4460	COLDWELL BANKER PACIFIC PROPER
	COLDWELL BANKER PACIFIC PROPERTIES
	COLDWELL BANKER RESIDENTIAL BROKERAGE
	DAVID LEE
	DEBORAH LOW
	DONNA AUKAI
	DOROTHY LEE
	DOWN TO
	DOWN TO EARTH ALL VEGETARIAN
	DOWN TO EARTH, DOWN TO EARTH
	FIELDS ETSUKO AGT
	HAROSKY HOMES LEIAN A HAROSKY - COLDWELL BANKER REALTY
	HOMEGOODS
	KAPOLEI HI HOMES AND REAL ESTATE
	LEIAN HAROSKY
	OLDBURY JACKIE AGT
	PHOEBE NIKOLAKAKIS
	RAMEN YA
	SALLY BEAUTY SUPPLY
	SHANNON FELICIANO
	SHAUN FERGUESON
	T-MOBILE
4470	CHAD INGALLS
	DENNYS
	HAWAIIAN ELECTRIC INDUSTRIES INC
4480	BANK OF HAWAII
	BANK OF HAWAII CORPORATION
	BIC TACOS
	JACQUIE BRAUN
	THE VITAMIN SHOPPE
4490	BANK OF HAWAII
	RYSON MATSAMURA
4545	BARBARA SUZUKI
	HONOLULU STAR ADVERTISER
	KAMELE ESKARAN
	MIDWEEK
4589	COSTCO
	NOREEN KAM CHAVEZ
	WIRELESS ADVOCATES
4600	CHEVELA BROWN
	HOME DEPOT
	JOHNNY HARRIS
	MCDONALDS
	PENSKE TRUCK LEASING
4675	CHARLENE ANAYA
	CIRCUIT COURT-SMALL ESTATES
	DISTRICT COURT-RURAL DIVISION
	KIDS FIRST HAWAII
	LES NAKI
	LESS SNACK SHOP

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

KAPOLEI PKWY 2022 (Cont'd)

4675	STATE OF HAWAII FAMILY COURT
4850	AGITH WINTER
	ANDREW C DADO
	ANDREW C DADO DDS
	COSMIC BEAUTY
	COSMIC BEAUTY - KAPOLEI
	DADO DENTISTRY
	DOMINOS
	FOODLAND SUPER MARKET
	GREAT CLIPS
	H E FOODS LLC
	HAWAII DENTAL CLINIC LLC
	HAWAII POT SHABU SHABU HOUSE
	L&L HAWAIIAN BARBECUE
	PATRICK ADAMS
	R FIELD WINE COMPANY
	RAMEN BONES
	SHANNON SAPLA
	TAKUMI
	TASTY SHACK
	TEDDYS BIGGER BURGERS
	TRAN THU
4860	ANNA RAPP
	BEN ASARE
	CHERYL FLORES
	DEJANIRA SEALE
	FRANCISCO MIRANDA
	IAN SEALE
	JAMES AMIHARA
	JEAN SEALE
	NATHAN GARDNER
	NATHAN HILLEGAS
4870	ADRIENNE GLUCK
	AIDAN KIDD
	BRANDON RAMBONGA
	CHRISTINE SICLOT
	CLEIDE CRUZ
	CLEMENTE SICLOT
	DREW CABACUNGAN
	FREDA KENNEDY
	GENEVIEVE RAMBONGA
	GRAY SPECIAL
	JENNIFER DALY
	JONATHAN KENNEDY
	MOLLY COLLINS
	PAUL DAHLEN
	PORTIA CRUZ
	RYAN PASTORINO
	SAVELINA FATONGIATAU
	TAYLOR KEENE

KAPOLEI PKWY 2022 (Cont'd)

4870	TERESA KENNEDY
	TIESHA WELCH
	TIFFANY ROBISON
	TRACIE KEAO
4880	ANDREW KA-NE
	BRANDON ALVARO
	CAITLIN ELDRED
	CARLA COLLINS
	CARMINE MOON
	CODY COLLINS
	CORY RABAGO
	FIEL JARLEGO
	JOHANNE JARLEGO
	JOHN LANE
	JUSTIN LUSCOM
	KAILI AYERS
	KEVIN LAIN
	LAURA HUERTA
	LAUREN MORRILL
	MARIAH CAPALDI
	MARY WATTS
	MICHELLE RAMIREZ
	MOSES DAVIS
	REGINA ALVARO
	RHONDA TOLBERT
	SAMUEL FOX
	SIERRA TOLBERT
	WENDI SIMEONE
4890	ALFREDO CANOPIN
	AMANDA HAGLUND
	ANGELA TOUSSAINT
	AUDREY HER
	BREANNA STEVENS
	CHARLENE STEVENS
	CHRISTOPHER JAEGER
	CINDY HASAN
	GREGORY GARRIGAN
	HIROFUMI ONO
	JAMIE JOHNSON
	JENNA HASAN
	JOSHUA SHIRREFFS
	KARA SHIRREFFS
	KRISTIE MEDEIROS
	LORI FORSYTH
	MARY MAHIAI
	MASAE SCARBOROUGH
	MELVIN DIZON
	NATALIE LIPKA
	RAMSEY HASAN
	ROSELINE LOPEZ-CARVALHO

4890 SHONDA LEWIS
ZACHARY CUSON
915005 CAROLYN KIRIO
KAPOLEI HIGH SCHOOL
915007 JEREMY SORIANO
KAILUA HIGH SCHOOL
KAPOLEI HIGH SCHOOL
LEEWARD OAHU SCHOOL DISTRICT
MALAMA LEARNING CTR.
NICK VAN RENBURH
RIVER CHURCH HAWAII
VALERIE DAOANG
VICKY PAGAOA
WAIPAHU COMMUNITY SCHOOL FOR ADULTS
915335 BRETT SWEETING
CHARLES DE
KAPOLEI MIDDLE SCHOOL
KMS
THY WORD MINISTRIES
915408 DONOVAN SCOTT
915420 DEAN OSHIRO
DHHL HALE PONOI BUILDING
HAWAII PUBLIC SAFETY DEPARTMENT
HAWAII STATE DEPARTMENT
HAWAIIAN HOME LANDS DEPT
LYNN ARAKI
PAUL TRISHA
STATE OF HAWAII
WANDA ZABLAN
915431 ADORE CLOTHING COMPANY
AERIE
ALOHA COOKIE CONNECTION
ANNETT BROWN
AUNTIE ANNES PRETZELS
AVEDA HOALA SALON SPA
BONCHON
CALIFORNIA PIZZA KITCHEN
CRAZY SHIRTS
FAMOUS FOOTWEAR
FIVE GUYS
FOODLAND SUPER MARKET
FOREVER 21 RED
GET NUTZ WEAR
HAMPTON INN & SUITES
HI CRAVINGS
HOLLISTER CO
INFINITEA
JEANS WAREHOUSE
JOHNNY ROCKETS
JOLLIBEE

KAPOLEI PKWY 2022 (Cont'd)

915431 JONES LANG LASALLE AMERICAS INC
JUSTIN TAMPON
KA MAKANA ALII SHOPPING CENTER
KAY JEWELERS
KICKIN KAJUN
KOA CAFE
L&L HAWAIIAN BARBECUE
LEANNE CLARKIN
LINDA DONES
LINDBERGH
MACYS
MAYJAH LEAGUE CLOTHING
NAGOYA RAMEN & BAKERY
NAIL TEK
NEIL CLARKIN
NOEAU DESIGNERS
OLINO BY CONSOLIDATED THEATRES WITH TITAN LUXE
PANDA EXPRESS
PARADISE THAI MASSAGE
PICTURES PLUS PRINTS
PRANEE HEDEMARAK
RANDY CALAMAYAN
RICK FAULKNER
RIX ISLAND WEAR
ROCK N FUN
SEPHORA
SKECHERS RETAIL
SUNGLASS HUT
SUPERCUTS
SURA HAWAII
THE CHEESECAKE FACTORY
THE COFFEE BEAN & TEA LEAF
TORRID
TRICKED OUT ACCESSORIES
VICTORIAS SECRET
VOLCANO E-CIGS
YUMMY KOREAN BAR-B-Q
ZALES THE DIAMOND STORE
ZUMIEZ

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WAKEA ST 2022

761	KAPOLEILOFTS
781	ALANA ANDERSON
	ASHLEY RATLIFF
	BRIAN CLANCY
	CODY BRYANT
	DELILAH DELROSARIO
	DUKE MAELE
	ELIZABETH BURCH
	EMILY PURDY
	FARRAH HEWICK
	FELICITAS DE GUZMAN
	GERALD MATUGAS
	GREGG GRIGAITIS
	JOSE DEGUZMAN
	MALORI MINDO
	MARY FINN
	MELODY CALIO
	NOBORU HIGA
	OLIVIA GRIGAITIS
	ROBERTO FLORES
	RODOLFO CAGULADA
	ROXANNE DEGUZMAN
	SHASTON YOKOYAMA
	TAMMY COURTNEY
888	AMERICAN SAVINGS BANK
1020	ALICE JEFFERSON
	ANNABELLE KENNEDY
	ARTHUR LUBERA
	ATANASIO SABERON
	BOBI ARNOLD
	BORIS MOKHOV
	BREY LOA
	CECILIA BOND
	CINDY ANAKALEA
	CLYDE SAKI
	CONSTANCE TORO
	CORRIAN DEMELLO
	DAVID SPELLER
	DENISE ROBERTSON
	DEREK NAGAI
	DMITRI MOKHOV
	DONNALU SHIMOOKA
	EDDIE ENTENDENCIA
	EILEEN GOMEZ
	FLORENDA ARABIE
	FUMIO SEIGAKU
	GAIL SEGUANCIA
	GAVIN KAWAI
	GAYLE NEWCOMER
	GEORGE CRUZ

WAKEA ST 2022 (Cont'd)

1020	GEORGE HUERTA
	HAROLD ELLISON
	HEINE ENGLISH
	ISAIAH VASCONCELLOS
	JANE LEE
	JEANNE TOMIBE
	JOANN TAKESHITA
	KENNETH KING
	KIMBERLEY DECAMP
	KIMBERLY CANTRELL
	LAURIE LEVI
	LAVENDA SABERON
	LESLIE TANAKA
	LOUIS MAZZAFERRO
	MARGARET CRUZ
	MARY HALL
	MARY KAWAI
	NANCY LOA
	PAMELA MURPHY
	PAMELA PROPIOS
	PAMELA SILVA
	PLAR KINZEL
	RUDOLPH TORO
	RUPERTO ORTIZ
	SHARLEEN FUJIMOTO
	SHARYN KINZEL
	STEPHANIE DAUGHERTY
	TERRY BRIGHT
	TONI MCCAULEY
	TONJA HOLLANDER
	VERA MOKHOV
	WILLIE WILLIAMS

Target Street	Cross Street	Source
-	✓	Cole Information

KAPOLEI PKWY 2017

4450	ALOHA SALADS
	COLDWELL BANKER
	COOKIES CLOTHING CO
	HAWAIIAN ISLAND CREATIONS
	OFFICEMAX
	RAMEN YA KAPOLEI
	ROSS DRESS FOR LESS
	ROYAL NAILS LLC
	SALON BOBBI & GUY AT KAPOLEI
	SPORTS AUTHORITY
	SUPERCUTS
	TARGET
	THE VITAMIN SHOPPE
	TJ MAXX
	WORLD TRADE JEWELRY
4460	DOWN TO EARTH ORGANIC & NATURAL
	PIER 1 IMPORTS
	SALLY BEAUTY SUPPLY
	VERIZON WIRELESS
4470	RUBY TUESDAY
4480	THE VITAMIN SHOPPE
4490	REGAL KAPOLEI 12
4589	COSTCO WHOLESALE
	VERIZON WIRELESS
4600	HOME SERVICES AT THE HOME DEPOT
	PENSKE TRUCK RENTAL
	THE HOME DEPOT
4675	LESS SNACK SHOP
	OAHU FIRST CIRCUIT DISTRICT COURT W
4850	COSMIC BEAUTY
	DADO DENTISTRY
	DAIICHI RAMEN & CURRY
	DOMINOS PIZZA
	FOODLAND
	GREAT CLIPS
	HAWAII POT SHABU SHABU
	L&L HAWAIIAN BARBECUE
	SLEEP TRAIN MATTRESS CENTERS
	TAKUMI
	TASTY SHACK
915007	KAPOLEI HIGH SCHOOL
915335	KAPOLEI MIDDLE SCHOOL
915420	STATE OF HAWAII

Target Street	Cross Street	Source
-	✓	Cole Information

KAPOLEI PKWY 2014

4450	ALOHA SALADS
	COLDWELL BANKER
	OFFICEMAX KAPOLEI
	PETCO
	ROSS DRESS FOR LESS
	ROYAL NAILS LLC
	SALON BOBBI & GUY AT KAPOLEI
	SPORTS AUTHORITY
	SUPERCUTS
	THE VITAMIN SHOPPE
	TMOBILE
	WORLD TRADE JEWELRY
4460	DOWN TO EARTH ORGANIC & NATURAL
	GENKI SUSHI
	PACIFIC ACCESS MORTGAGE
	SALLY BEAUTY SUPPLY
	TMOBILE KAPOLEI
4470	DENNYS
4480	KUA AINA SANDWICH SHOP
4589	COSTCO WHOLESALE
	VZW AT WA COSTCO 1038 KAPOLEI
4600	MCDONALDS
	PENSKE TRUCK RENTAL
	THE HOME DEPOT
4675	LESS SNACK SHOP
4850	FOODLAND
	FOODLAND KAPOLEI
	R FIELD WINE COMPANY
	TEDDYS BIGGER BURGERS
915007	KAPOLEI HIGH SCHOOL
915335	KAPOLEI MIDDLE SCHOOL

Target Street	Cross Street	Source
-	✓	Cole Information

KAPOLEI PKWY 2010

4450	ALOHA SALADS
	MENCHIES FROZEN YOGURT
	PETCO
	SPORTS AUTHORITY
	STARBUCKS
	TARGET
	TARGET PHARMACY
4545	GANNETT HAWAII PUBLISHING
4589	COSTCO
4600	BEHR PROCESS CORP
	HOME DEPOT
91658	WILBURN, GREGORY
915007	KAPOLEI HIGH SCHOOL
915335	KAPOLEI MIDDLE SCHOOL
915420	HAWAIIAN HOME LANDS DEPT

Target Street	Cross Street	Source
-	✓	Cole Information

KAPOLEI PKWY 2005

4600 HOME DEPOT THE
915007 KAPOLEI COMMUNITY SCHOOL FOR ADULTS

APPENDIX H

REGULATORY DATABASE REPORT

Undeveloped Lots 2 - 5
91-683 Wakea Street
Kapolei, HI 96707

Inquiry Number: 8171545.2s
November 13, 2025

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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LIGHTBOX LIVE

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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 - 23), 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

91-683 WAKEA STREET
KAPOLEI, HI 96707

COORDINATES

Latitude (North):	21.3277560 - 21° 19' 39.92"
Longitude (West):	158.0804580 - 158° 4' 49.64"
Universal Tranverse Mercator:	Zone 4
UTM X (Meters):	595361.2
UTM Y (Meters):	2358561.5
Elevation:	52 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	9757679 EWA, HI
Version Date:	2017

MAPPED SITES SUMMARY

Target Property Address:
91-683 WAKEA STREET
KAPOLEI, HI 96707

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	CSO BARBERS POINT HI		DOD	Same	4868, 0.922, SSE
Reg	CSO BARBERS POINT HI		DOD	Same	4360, 0.826, South
Reg	JOINT BASE PEARL HAR		DOD	Same	4354, 0.825, SSE
Reg	JOINT BASE PEARL HAR		DOD	Same	4351, 0.824, SSE
Reg	JOINT BASE PEARL HAR		DOD	Same	5189, 0.983, SE
Reg	JOINT BASE PEARL HAR		DOD	Same	3882, 0.735, South
Reg	JOINT BASE PEARL HAR		DOD	Same	3879, 0.735, South
Reg	NG KALAELOA		DOD	Same	4753, 0.900, SE
Reg	NG KALAELOA		DOD	Same	4749, 0.899, SE
Reg	NG KALAELOA		DOD	Same	4983, 0.944, SE
Reg	JOINT BASE PEARL HAR		DOD	Same	4983, 0.944, SE
Reg	CSO BARBERS POINT HI		DOD	Same	4979, 0.943, SE
Reg	CSO BARBERS POINT HI		DOD	Same	4976, 0.942, SE
Reg	NG KALAELOA		DOD	Same	4978, 0.943, SE
Reg	JOINT BASE PEARL HAR		DOD	Same	4974, 0.942, SE
Reg	CSO BARBERS POINT HI		DOD	Same	4063, 0.770, SSE
Reg	CSO BARBERS POINT HI		DOD	Same	3989, 0.755, SSE
Reg	JOINT BASE PEARL HAR		DOD	Same	3719, 0.704, SSE
Reg	NG KALAELOA		DOD	Same	4826, 0.914, SE
Reg	CSO BARBERS POINT HI		DOD	Same	3715, 0.704, SSE
Reg	NG KALAELOA		DOD	Same	4504, 0.853, SE
Reg	CSO BARBERS POINT HI		DOD	Same	4503, 0.853, SE
Reg	CSO BARBERS POINT HI		DOD	Same	4503, 0.853, SE
Reg	NG KALAELOA		DOD	Same	4502, 0.853, SE
Reg	CSO BARBERS POINT HI		DOD	Same	3571, 0.676, SSE
Reg	CSO BARBERS POINT HI		DOD	Same	2968, 0.562, South
Reg	CSO BARBERS POINT HI		DOD	Same	4089, 0.774, SE
Reg	JOINT BASE PEARL HAR		DOD	Same	3337, 0.632, SSE
Reg	JOINT BASE PEARL HAR		DOD	Same	3250, 0.616, SSE
Reg	JOINT BASE PEARL HAR		DOD	Same	5103, 0.966, ESE
Reg	JOINT BASE PEARL HAR		DOD	Same	3340, 0.633, SSE
Reg	CSO BARBERS POINT HI		DOD	Same	2756, 0.522, SSE
Reg	CSO BARBERS POINT HI		DOD	Same	2284, 0.433, South
Reg	NG KALAELOA		DOD	Same	4823, 0.913, ESE
Reg	CSO BARBERS POINT HI		DOD	Same	2184, 0.414, South
Reg	NG KALAELOA		DOD	Same	4829, 0.915, ESE
Reg	CSO BARBERS POINT HI		DOD	Same	4659, 0.882, ESE
Reg	JOINT BASE PEARL HAR		DOD	Same	4827, 0.914, ESE
Reg	CSO BARBERS POINT HI		DOD	Same	4833, 0.915, ESE

MAPPED SITES SUMMARY

Target Property Address:
91-683 WAKEA STREET
KAPOLEI, HI 96707

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	NG KALAELOA		DOD	Same	5196, 0.984, ESE
Reg	JOINT BASE PEARL HAR		DOD	Same	2167, 0.410, SSW
Reg	JOINT BASE PEARL HAR		DOD	Same	2131, 0.404, SW
Reg	CSO BARBERS POINT HI		DOD	Same	1874, 0.355, SSE
Reg	JOINT BASE PEARL HAR		DOD	Same	2263, 0.429, SE
Reg	JOINT BASE PEARL HAR		DOD	Same	1637, 0.310, South
Reg	JOINT BASE PEARL HAR		DOD	Same	1347, 0.255, South
Reg	CSO BARBERS POINT HI		DOD	Same	1345, 0.255, South
Reg	CSO BARBERS POINT HI		DOD	Same	1289, 0.244, South
Reg	NG KALAELOA		DOD	Same	4657, 0.882, ESE
Reg	JOINT BASE PEARL HAR		DOD	Same	2265, 0.429, SE
Reg	CSO BARBERS POINT HI		DOD	Same	2296, 0.435, SE
Reg	JOINT BASE PEARL HAR		DOD	Same	964, 0.183, SSW
Reg	CSO BARBERS POINT HI		DOD	Same	1640, 0.311, WSW
Reg	CSO BARBERS POINT HI		DOD	Same	4564, 0.864, East
Reg	CSO BARBERS POINT HI		DOD	Same	890, 0.169, SSW
A1	BARBERS POINT NAS		PFAS FEDERAL SITES	Higher	211, 0.040, NNW
A2	BARBERS POINT HI NAS		PFAS FEDERAL SITES	Higher	211, 0.040, NNW
B3	KAPOLEI JUVENILE DET	287 KAMOKILA BLVD	RCRA-VSQG, FINDS, ECHO	Higher	544, 0.103, West
B4	KAPOLEI DISTRICT AND	4675 KAPOLEI PARKWAY	RCRA-VSQG, FINDS, ECHO	Higher	544, 0.103, West
B5	HECO PAD-MOUNTED TRA	4675 KAPOLEI PKWY	SPILLS, HWP	Higher	544, 0.103, West
B6	KAPOLEI JUVENILE DET	287 KAMOKILA BLVD	HWP	Higher	544, 0.103, West
B7	STATE OF HAWAII-JUDI	4675 KAPOLEI PARKWAY	E MANIFEST	Higher	544, 0.103, West
C8	KAISER PERMANENTE WE	401 KAMOKILA BLVD	RCRA-VSQG	Higher	816, 0.155, West
C9	KAISER PERMANENTE WE	401 KAMOKILA BLVD	HWP	Higher	816, 0.155, West
D10	UAOA STREAM, HANA HI	601 KAMOKILA BOULEVA	RCRA-VSQG, FINDS, ECHO	Higher	992, 0.188, NW
D11	DAGS CSD KAKUHIHEWA	601 KAMOKILA BLVD	HWP	Higher	992, 0.188, NW
12	ACE HARDWARE-KAPOLEI	480 KAMOKILA BOULEVA	HWP	Higher	1081, 0.205, WNW
E13	BARBERS POINT CENTRA	ROOSEVELT & COPAHEE	UST, Financial Assurance	Higher	1090, 0.206, SSW
E14	BARBERS POINT CENTRA	ROOSEVELT & COPAHEE	UST FINDER	Higher	1090, 0.206, SSW
15	KAMOKILA TEXACO 3801	484 KAMOKILA BLVD	UST, SPILLS, Financial Assurance	Higher	1234, 0.234, WNW
16	D.R. HORTON KUKUNA P	1101 KUKULU ST	SHWS	Higher	1236, 0.234, SE
F17	DANIEL K. AKAKA DEPA	91-1051 FRANKLIN D R	HWP	Higher	1311, 0.248, SW
F18	DANIEL K. AKAKA DEPA	91-1051 FRANKLIN D R	RCRA-SQG	Higher	1311, 0.248, SW
19	COSTCO GASOLINE (LOC	4589 KAPOLEI PARKWAY	SHWS, UST, Financial Assurance, HWP	Higher	1332, 0.252, West
20	KALAELOA HOUSING DEV	SARATOGA AVENUE, KAL	SHWS	Lower	1536, 0.291, SW
21	LEIHANO PROPROSED KA		SHWS	Higher	1597, 0.302, ENE
22	HOOKELE ELEMENTARY S	511 KUNEHI ST	SHWS	Higher	1816, 0.344, East
23	BARBERS POINT NAS US		SHWS	Higher	2004, 0.380, SSE

MAPPED SITES SUMMARY

Target Property Address:
91-683 WAKEA STREET
KAPOLEI, HI 96707

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
24	BARBERS POINT ELEMEN	3001 BOXER RD	SHWS, LEAD, UIC	Lower	2088, 0.395, SSW
25	NAVAL AIR STATION, B	BLDG 74 TANK BP92	LUST, UST	Lower	2487, 0.471, SE
26	KAPOLEI BUSINESS PAR	91-600 KALAELOA BLVD	SHWS	Higher	2543, 0.482, West
27	FORT BARRETTE		FUDS	Higher	2814, 0.533, NE
G28	FORT BARRETTE, SAFET		SHWS	Higher	2869, 0.543, NE
G29	FUDS FORT BARRETTE		SHWS	Higher	2971, 0.563, NNE
30	KAPOLEI FUEL SPILL	KAMOKILA BLVD	SHWS	Higher	3073, 0.582, North
31	BARBERS POINT NAS CO		SHWS	Lower	3132, 0.593, ESE
32	KALAELOA SOLAR ONE A	MUNDA ST	SHWS	Lower	3353, 0.635, SSW
33	BARBERS POINT NAS BU		SHWS	Lower	3633, 0.688, SSE
34	HAWAII ARMY NATIONAL	BARBERS POINT NAVAL	SHWS, PFAS, UIC	Lower	3933, 0.745, ESE
35	BARBERS POINT NAVAL	BARBERS POINT	SEMS-ARCHIVE, ROD	Lower	4034, 0.764, SSE
36	PALAILAI MILITARY RE		FUDS	Higher	4219, 0.799, WNW
H37	BARBERS POINT NAS CO		SHWS	Lower	4408, 0.835, ESE
38	BARBERS POINT NAS CO	3845 ROOSEVELT AVE	SHWS	Lower	4447, 0.842, East
39	BARBERS POINT NAS RU		SHWS	Lower	4526, 0.857, SW
I40	BARBERS POINT NAS TR		SHWS	Lower	4537, 0.859, South
H41	BARBERS POINT NAS 26		SHWS	Lower	4540, 0.860, ESE
42	HECO CAMPBELL INDUST	91-550 KALAELOA BLVD	SHWS	Higher	4556, 0.863, West
I43	BARBERS POINT NAS DR		SHWS	Lower	4650, 0.881, South
44	BARBERS POINT NAS AU		SHWS	Lower	4929, 0.934, ESE
45	BARBERS POINT NAS US	91-1110 ENTERPRISE A	SHWS, ENG CONTROLS, INST CONTROL	Lower	5160, 0.977, SE
46	FUDS PALAILAI MILITA		SHWS	Higher	5217, 0.988, NW

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

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

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 TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

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

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

ENG CONTROLS ---------- Engineering Control Sites
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

SWRCY ---------- Solid Waste Recycling Information
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
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	Release Notifications
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
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
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections 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
UST FINDER RELEASE	UST Finder Releases Database

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 RCRA generators

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/02/2025 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DANIEL K. AKAKA DEPA	91-1051 FRANKLIN D R	SW 1/8 - 1/4 (0.248 mi.)	F18	49

EPA ID:: HIR000147454

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 06/02/2025 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
KAPOLEI JUVENILE DET EPA ID:: HIR000143966	***287 KAMOKILA BLVD***	***W 0 - 1/8 (0.103 mi.)***	***B3***	***22***
KAPOLEI DISTRICT AND EPA ID:: HIR000143958	***4675 KAPOLEI PARKWAY***	***W 0 - 1/8 (0.103 mi.)***	***B4***	***25***
KAISER PERMANENTE WE EPA ID:: HIR000147520	401 KAMOKILA BLVD	W 1/8 - 1/4 (0.155 mi.)	C8	32
UAOA STREAM, HANA HI EPA ID:: HIR000052845	***601 KAMOKILA BOULEVA***	***NW 1/8 - 1/4 (0.188 mi.)***	***D10***	***37***

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 25 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
D.R. HORTON KUKUNA P	1101 KUKULU ST	SE 1/8 - 1/4 (0.234 mi.)	16	48
COSTCO GASOLINE (LOC	***4589 KAPOLEI PARKWAY***	***W 1/4 - 1/2 (0.252 mi.)***	***19***	***52***
LEIHANO PROPROSED KA		ENE 1/4 - 1/2 (0.302 mi.)	21	61
HOOKELE ELEMENTARY S	511 KUNEHI ST	E 1/4 - 1/2 (0.344 mi.)	22	62
BARBERS POINT NAS US		SSE 1/4 - 1/2 (0.380 mi.)	23	63
KAPOLEI BUSINESS PAR	91-600 KALAELOA BLVD	W 1/4 - 1/2 (0.482 mi.)	26	66
FORT BARRETTE, SAFET		NE 1/2 - 1 (0.543 mi.)	G28	68
FUDS FORT BARRETTE		NNE 1/2 - 1 (0.563 mi.)	G29	69
KAPOLEI FUEL SPILL	KAMOKILA BLVD	N 1/2 - 1 (0.582 mi.)	30	70
HECO CAMPBELL INDUST	91-550 KALAELOA BLVD	W 1/2 - 1 (0.863 mi.)	42	100
FUDS PALAILAI MILITA		NW 1/2 - 1 (0.988 mi.)	46	106

Lower Elevation	Address	Direction / Distance	Map ID	Page
KALAELOA HOUSING DEV	SARATOGA AVENUE, KAL	SW 1/4 - 1/2 (0.291 mi.)	20	58
BARBERS POINT ELEMEN	***3001 BOXER RD***	***SSW 1/4 - 1/2 (0.395 mi.)***	***24***	***64***
BARBERS POINT NAS CO		ESE 1/2 - 1 (0.593 mi.)	31	71
KALAELOA SOLAR ONE A	MUNDA ST	SSW 1/2 - 1 (0.635 mi.)	32	72

Lower Elevation	Address	Direction / Distance	Map ID	Page
BARBERS POINT NAS BU		SSE 1/2 - 1 (0.688 mi.)	33	74
HAWAII ARMY NATIONAL	***BARBERS POINT NAVAL***	***ESE 1/2 - 1 (0.745 mi.)***	***34***	***74***
BARBERS POINT NAS CO		ESE 1/2 - 1 (0.835 mi.)	H37	82
BARBERS POINT NAS CO	3845 ROOSEVELT AVE	E 1/2 - 1 (0.842 mi.)	38	90
BARBERS POINT NAS RU		SW 1/2 - 1 (0.857 mi.)	39	98
BARBERS POINT NAS TR		S 1/2 - 1 (0.859 mi.)	I40	99
BARBERS POINT NAS 26		ESE 1/2 - 1 (0.860 mi.)	H41	100
BARBERS POINT NAS DR		S 1/2 - 1 (0.881 mi.)	I43	103
BARBERS POINT NAS AU		ESE 1/2 - 1 (0.934 mi.)	44	104
BARBERS POINT NAS US	***91-1110 ENTERPRISE A***	***SE 1/2 - 1 (0.977 mi.)***	***45***	***105***

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 04/29/2025 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NAVAL AIR STATION, B	***BLDG 74 TANK BP92***	***SE 1/4 - 1/2 (0.471 mi.)***	***25***	***65***
Release ID: 030039				
Facility Id: 9-103191				
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 04/29/2025 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARBERS POINT CENTRA	***ROOSEVELT & COPAHEE***	***SSW 1/8 - 1/4 (0.206 mi.)***	***E13***	***42***
Facility Id: 9-203295				
Tank Status: Currently In Use				
KAMOKILA TEXACO 3801	***484 KAMOKILA BLVD***	***WNW 1/8 - 1/4 (0.234 mi.)***	***15***	***44***
Facility Id: 9-203976				
Tank Status: Currently In Use				

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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 07/23/2025 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
FORT BARRETTE		NE 1/2 - 1 (0.533 mi.)	27	67
PALAILAI MILITARY RE		WNW 1/2 - 1 (0.799 mi.)	36	82

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 55 DOD sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CSO BARBERS POINT HI		SSE 1/2 - 1 (0.922 mi.)	0	8
CSO BARBERS POINT HI		S 1/2 - 1 (0.826 mi.)	0	8
JOINT BASE PEARL HAR		SSE 1/2 - 1 (0.825 mi.)	0	8
JOINT BASE PEARL HAR		SSE 1/2 - 1 (0.824 mi.)	0	8
JOINT BASE PEARL HAR		SE 1/2 - 1 (0.983 mi.)	0	9
JOINT BASE PEARL HAR		S 1/2 - 1 (0.735 mi.)	0	9
JOINT BASE PEARL HAR		S 1/2 - 1 (0.735 mi.)	0	9
NG KALAELOA		SE 1/2 - 1 (0.900 mi.)	0	9
NG KALAELOA		SE 1/2 - 1 (0.899 mi.)	0	10
NG KALAELOA		SE 1/2 - 1 (0.944 mi.)	0	10
JOINT BASE PEARL HAR		SE 1/2 - 1 (0.944 mi.)	0	10
CSO BARBERS POINT HI		SE 1/2 - 1 (0.943 mi.)	0	10
CSO BARBERS POINT HI		SE 1/2 - 1 (0.942 mi.)	0	11
NG KALAELOA		SE 1/2 - 1 (0.943 mi.)	0	11
JOINT BASE PEARL HAR		SE 1/2 - 1 (0.942 mi.)	0	11
CSO BARBERS POINT HI		SSE 1/2 - 1 (0.770 mi.)	0	11
CSO BARBERS POINT HI		SSE 1/2 - 1 (0.755 mi.)	0	12
JOINT BASE PEARL HAR		SSE 1/2 - 1 (0.704 mi.)	0	12
NG KALAELOA		SE 1/2 - 1 (0.914 mi.)	0	12
CSO BARBERS POINT HI		SSE 1/2 - 1 (0.704 mi.)	0	12
NG KALAELOA		SE 1/2 - 1 (0.853 mi.)	0	13
CSO BARBERS POINT HI		SE 1/2 - 1 (0.853 mi.)	0	13
CSO BARBERS POINT HI		SE 1/2 - 1 (0.853 mi.)	0	13
NG KALAELOA		SE 1/2 - 1 (0.853 mi.)	0	13
CSO BARBERS POINT HI		SSE 1/2 - 1 (0.676 mi.)	0	14
CSO BARBERS POINT HI		S 1/2 - 1 (0.562 mi.)	0	14
CSO BARBERS POINT HI		SE 1/2 - 1 (0.774 mi.)	0	14
JOINT BASE PEARL HAR		SSE 1/2 - 1 (0.632 mi.)	0	14
JOINT BASE PEARL HAR		SSE 1/2 - 1 (0.616 mi.)	0	15
JOINT BASE PEARL HAR		ESE 1/2 - 1 (0.966 mi.)	0	15
JOINT BASE PEARL HAR		SSE 1/2 - 1 (0.633 mi.)	0	15
CSO BARBERS POINT HI		SSE 1/2 - 1 (0.522 mi.)	0	15

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CSO BARBERS POINT HI		S 1/4 - 1/2 (0.433 mi.)	0	16
NG KALAELOA		ESE 1/2 - 1 (0.913 mi.)	0	16
CSO BARBERS POINT HI		S 1/4 - 1/2 (0.414 mi.)	0	16
NG KALAELOA		ESE 1/2 - 1 (0.915 mi.)	0	16
CSO BARBERS POINT HI		ESE 1/2 - 1 (0.882 mi.)	0	17
JOINT BASE PEARL HAR		ESE 1/2 - 1 (0.914 mi.)	0	17
CSO BARBERS POINT HI		ESE 1/2 - 1 (0.915 mi.)	0	17
NG KALAELOA		ESE 1/2 - 1 (0.984 mi.)	0	17
JOINT BASE PEARL HAR		SSW 1/4 - 1/2 (0.410 mi.)	0	18
JOINT BASE PEARL HAR		SW 1/4 - 1/2 (0.404 mi.)	0	18
CSO BARBERS POINT HI		SSE 1/4 - 1/2 (0.355 mi.)	0	18
JOINT BASE PEARL HAR		SE 1/4 - 1/2 (0.429 mi.)	0	18
JOINT BASE PEARL HAR		S 1/4 - 1/2 (0.310 mi.)	0	19
JOINT BASE PEARL HAR		S 1/4 - 1/2 (0.255 mi.)	0	19
CSO BARBERS POINT HI		S 1/4 - 1/2 (0.255 mi.)	0	19
CSO BARBERS POINT HI		S 1/8 - 1/4 (0.244 mi.)	0	19
NG KALAELOA		ESE 1/2 - 1 (0.882 mi.)	0	20
JOINT BASE PEARL HAR		SE 1/4 - 1/2 (0.429 mi.)	0	20
CSO BARBERS POINT HI		SE 1/4 - 1/2 (0.435 mi.)	0	20
JOINT BASE PEARL HAR		SSW 1/8 - 1/4 (0.183 mi.)	0	20
CSO BARBERS POINT HI		WSW 1/4 - 1/2 (0.311 mi.)	0	21
CSO BARBERS POINT HI		E 1/2 - 1 (0.864 mi.)	0	21
CSO BARBERS POINT HI		SSW 1/8 - 1/4 (0.169 mi.)	0	21

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 07/29/2025 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BARBERS POINT NAVAL EPA ID:: HI1170024326	***BARBERS POINT***	***SSE 1/2 - 1 (0.764 mi.)***	***35***	***78***

PFAS FEDERAL SITES: 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.

A review of the PFAS FEDERAL SITES list, as provided by EDR, and dated 06/23/2025 has revealed that there are 2 PFAS FEDERAL SITES sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARBERS POINT NAS		NNW 0 - 1/8 (0.040 mi.)	A1	21
BARBERS POINT HI NAS		NNW 0 - 1/8 (0.040 mi.)	A2	22

EXECUTIVE SUMMARY

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 is 1 UST FINDER site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARBERS POINT CENTRA	ROOSEVELT & COPAHEE	SSW 1/8 - 1/4 (0.206 mi.)	E14	43

E MANIFEST: 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.

A review of the E MANIFEST list, as provided by EDR, and dated 06/02/2025 has revealed that there is 1 E MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STATE OF HAWAII-JUDI	4675 KAPOLEI PARKWAY	W 0 - 1/8 (0.103 mi.)	B7	30

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 05/23/2025 has revealed that there are 6 HWP sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HECO PAD-MOUNTED TRA	***4675 KAPOLEI PKWY***	***W 0 - 1/8 (0.103 mi.)***	***B5***	***28***
KAPOLEI JUVENILE DET	287 KAMOKILA BLVD	W 0 - 1/8 (0.103 mi.)	B6	30
KAISER PERMANENTE WE	401 KAMOKILA BLVD	W 1/8 - 1/4 (0.155 mi.)	C9	36
DAGS CSD KAKUHIHEWA	601 KAMOKILA BLVD	NW 1/8 - 1/4 (0.188 mi.)	D11	41
ACE HARDWARE-KAPOLEI	480 KAMOKILA BOULEVA	WNW 1/8 - 1/4 (0.205 mi.)	12	42
DANIEL K. AKAKA DEPA	91-1051 FRANKLIN D R	SW 1/8 - 1/4 (0.248 mi.)	F17	49

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
DLA DISPOSITION SERVICES	SEMS-ARCHIVE

OVERVIEW MAP - 8171545.2S



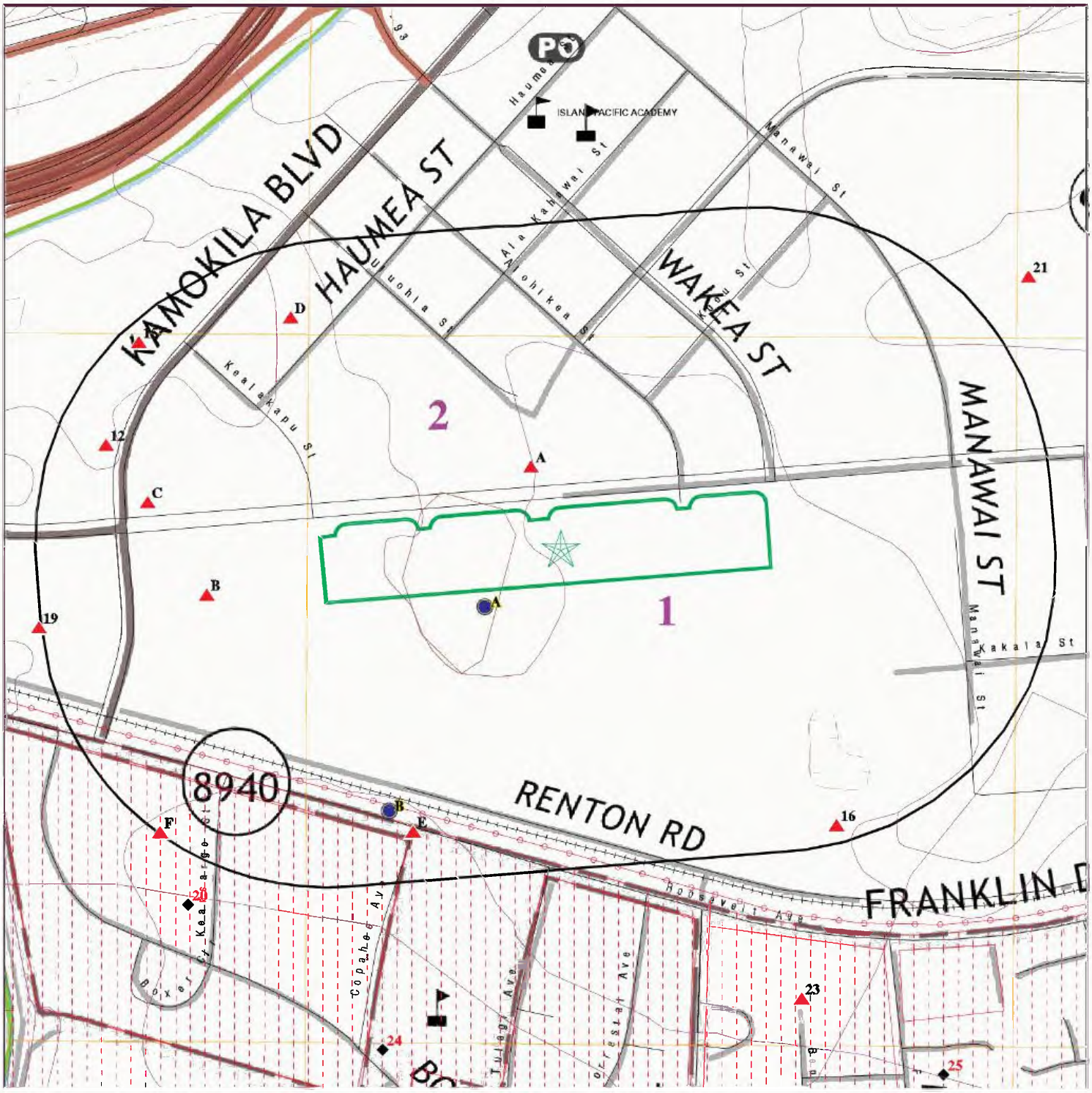
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 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: Undeveloped Lots 2 - 5	CLIENT: Ford & Associates, Inc.
ADDRESS: 91-683 Wakea Street Kapolei HI 96707	CONTACT: Leah Ford INQUIRY #: 8171545.2s
LAT/LONG: 21.327756 / 158.080458	DATE: November 13, 2025 1:29 pm

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DETAIL MAP - 8171545.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- 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: Undeveloped Lots 2 - 5	CLIENT: Ford & Associates, Inc.
ADDRESS: 91-683 Wakea Street Kapolei HI 96707	CONTACT: Leah Ford INQUIRY #: 8171545.2s
LAT/LONG: 21.327756 / 158.080458	DATE: November 13, 2025 1:32 pm

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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	0	0	NR	0
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	0	0	0	NR	0
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	0	0	NR	NR	0
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	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		2	2	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	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	1	7	17	NR	25
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		0	0	1	NR	NR	1

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		0	2	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
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	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	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	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	2	NR	2
DOD	1.000		0	3	12	40	NR	55

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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	1	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		2	0	NR	NR	NR	2
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	TP		NR	NR	NR	NR	NR	0
UST FINDER	0.250		0	1	NR	NR	NR	1
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0

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		1	0	NR	NR	NR	1
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HWP	0.250		2	4	NR	NR	NR	6
LEAD	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	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	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	7	14	20	60	0	101

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402212**
Region **N/A**
SSE **, HI**
1/2-1
4868 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402211**
Region **N/A**
South **, HI**
1/2-1
4360 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402210**
Region **N/A**
SSE **, HI**
1/2-1
4354 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402208**
Region **N/A**
SSE **, HI**
1/2-1
4351 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402207**
Region **N/A**
SE **, HI**
1/2-1
5189 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402200**
Region **N/A**
South **, HI**
1/2-1
3882 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402199**
Region **N/A**
South **, HI**
1/2-1
3879 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **NG KALAELOA** **DOD** **CUSA402198**
Region **N/A**
SE **, HI**
1/2-1
4753 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **NG KALAELOA** **DOD** **CUSA402195**
Region **N/A**
SE
1/2-1 **, HI**
4749 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **NG KALAELOA** **DOD** **CUSA402192**
Region **N/A**
SE
1/2-1 **, HI**
4983 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402191**
Region **N/A**
SE
1/2-1 **, HI**
4983 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402190**
Region **N/A**
SE
1/2-1 **, HI**
4979 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402189**
Region **N/A**
SE **, HI**
1/2-1
4976 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **NG KALAELOA** **DOD** **CUSA402188**
Region **N/A**
SE **, HI**
1/2-1
4978 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402187**
Region **N/A**
SE **, HI**
1/2-1
4974 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402186**
Region **N/A**
SSE **, HI**
1/2-1
4063 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402183**
Region **N/A**
SSE **, HI**
1/2-1
3989 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402182**
Region **N/A**
SSE **, HI**
1/2-1
3719 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **NG KALAELOA** **DOD** **CUSA402181**
Region **N/A**
SE **, HI**
1/2-1
4826 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402180**
Region **N/A**
SSE **, HI**
1/2-1
3715 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **NG KALAELOA** **DOD** **CUSA402178**
Region **N/A**
SE **, HI**
1/2-1
4504 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402176**
Region **N/A**
SE **, HI**
1/2-1
4503 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402175**
Region **N/A**
SE **, HI**
1/2-1
4503 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **NG KALAELOA** **DOD** **CUSA402174**
Region **N/A**
SE **, HI**
1/2-1
4502 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD Region SSE 1/2-1 3571 ft. **CSO BARBERS POINT HI** **DOD** **CUSA402173**
, HI **N/A**

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD Region South 1/2-1 2968 ft. **CSO BARBERS POINT HI** **DOD** **CUSA402171**
, HI **N/A**

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD Region SE 1/2-1 4089 ft. **CSO BARBERS POINT HI** **DOD** **CUSA402169**
, HI **N/A**

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD Region SSE 1/2-1 3337 ft. **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402166**
, HI **N/A**

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402165**
Region **N/A**
SSE **, HI**
1/2-1
3250 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402160**
Region **N/A**
ESE **, HI**
1/2-1
5103 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402158**
Region **N/A**
SSE **, HI**
1/2-1
3340 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402157**
Region **N/A**
SSE **, HI**
1/2-1
2756 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402155**
Region **N/A**
South **, HI**
1/4-1/2
2284 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **NG KALAELOA** **DOD** **CUSA402151**
Region **N/A**
ESE **, HI**
1/2-1
4823 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402150**
Region **N/A**
South **, HI**
1/4-1/2
2184 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **NG KALAELOA** **DOD** **CUSA402149**
Region **N/A**
ESE **, HI**
1/2-1
4829 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402148**
Region **N/A**
ESE **, HI**
1/2-1
4659 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402147**
Region **N/A**
ESE **, HI**
1/2-1
4827 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402145**
Region **N/A**
ESE **, HI**
1/2-1
4833 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **NG KALAELOA** **DOD** **CUSA402144**
Region **N/A**
ESE **, HI**
1/2-1
5196 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402142**
Region **N/A**
SSW **, HI**
1/4-1/2
2167 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402137**
Region **N/A**
SW **, HI**
1/4-1/2
2131 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402135**
Region **N/A**
SSE **, HI**
1/4-1/2
1874 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402132**
Region **N/A**
SE **, HI**
1/4-1/2
2263 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402131**
Region South **N/A**
, HI
1/4-1/2
1637 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402128**
Region South **N/A**
, HI
1/4-1/2
1347 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402126**
Region South **N/A**
, HI
1/4-1/2
1345 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402125**
Region South **N/A**
, HI
1/8-1/4
1289 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **NG KALAELOA** **DOD** **CUSA402123**
Region **N/A**
ESE **, HI**
1/2-1
4657 ft.

DOD:
Site Name: NG KALAELOA
DOD Component: Army Guard
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402121**
Region **N/A**
SE **, HI**
1/4-1/2
2265 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402120**
Region **N/A**
SE **, HI**
1/4-1/2
2296 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **JOINT BASE PEARL HARBOR-HICKAM** **DOD** **CUSA402116**
Region **N/A**
SSW **, HI**
1/8-1/4
964 ft.

DOD:
Site Name: JOINT BASE PEARL HARBOR-HICKAM
DOD Component: Navy Active
Joint Base: Joint Base Pearl Harbor-Hickam
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402114**
Region **N/A**
WSW **, HI**
1/4-1/2
1640 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402112**
Region **N/A**
East **, HI**
1/2-1
4564 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

DOD **CSO BARBERS POINT HI** **DOD** **CUSA402090**
Region **N/A**
SSW **, HI**
1/8-1/4
890 ft.

DOD:
Site Name: CSO BARBERS POINT HI
DOD Component: Navy Active
Joint Base: N/A
Operating Status: CARE (Caretaker): 90% or more of the associated asset(s) have minimum maintenance for safety and security and are in CARE operational status.

A1 **BARBERS POINT NAS** **PFAS FEDERAL SITES** **1027317276**
NNW **N/A**
< 1/8 **, HI**
0.040 mi.
211 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
52 ft.

PFAS FEDERAL SITES:
Facility ID: HI917002432600
Name: BARBERS POINT NAS
Address: Not reported
City,State,Zip: HI
Latitude: 21.328792
Longitude: -158.080862
Federal Agency: Navy
EPA Region: 09

BARBERS POINT NAS (Continued) **1027317276**

PFAS Presence: Suspected

Link:
Property Type: BRAC
Organization Reporting PFAS Presence: DoD
Notes: This list is based on information as of December 31, 2016, and verified in July 2018. It should also be noted that lat/long info is close to centroid of installation and does not reflect any association with PFAS release points.

A2 **BARBERS POINT HI NAS** **PFAS FEDERAL SITES** **1027317275**
NNW **N/A**
< 1/8 **, HI**
0.040 mi.
211 ft. **Site 2 of 2 in cluster A**

Relative: PFAS FEDERAL SITES:
Higher
Actual: Facility ID: HI917002432600
52 ft. Name: BARBERS POINT HI NAS
Address: Not reported
City,State,Zip: HI
Latitude: 21.328792
Longitude: -158.080862
Federal Agency: Navy
EPA Region: 09
PFAS Presence: Suspected

Link:
Property Type: Active
Organization Reporting PFAS Presence: DoD
Notes: -

B3 **KAPOLEI JUVENILE DETENTION FACILITY** **RCRA-VSQG** **1019323205**
West **287 KAMOKILA BLVD** **FINDS** **HIR000143966**
< 1/8 **KAPOLEI, HI 96707** **ECHO**
0.103 mi.
544 ft. **Site 1 of 5 in cluster B**

Relative: RCRA Listings:
Higher
Actual: Date Form Received by Agency: 20160826
68 ft. Handler Name: Kapolei Juvenile Detention Facility
Handler Address: Kamokila Blvd
Handler City,State,Zip: KAPOLEI, HI 96707
EPA ID: HIR000143966
Contact Name: WAYNE S TANIGUCHI
Contact Address: PUNCHBOWL STREET
Contact City,State,Zip: HONOLULU, HI 96813
Contact Telephone: 808-539-4348
Contact Fax: 808-539-4021
Contact Email: WAYNE.S.TANIGUCHI@COURTS.HAWAII.GOV
Contact Title: JUDICIARY FIRST CIRCUIT FACILITIES MANAGER
EPA Region: 09
Land Type: State
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

KAPOLEI JUVENILE DETENTION FACILITY (Continued) **1019323205**

Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		KAMOKILA BLVD
Mailing City,State,Zip:		KAPOLEI, HI 96707
Owner Name:	Dept Of Land And Natural Resources	
Owner Type:		State
Operator Name:	The Judiciary - State Of Hawaii	
Operator Type:		State
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:		20160906
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:	D008
Waste Description:	Lead
Waste Code:	D009

KAPOLEI JUVENILE DETENTION FACILITY (Continued) **1019323205**

Waste Description: Mercury

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: THE JUDICIARY - STATE OF HAWAII
Legal Status: State
Date Became Current: 20080804
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: DEPT OF LAND AND NATURAL RESOURCES
Legal Status: State
Date Became Current: 19590801
Date Ended Current: Not reported
Owner/Operator Address: 1151 PUNCHBOWL STREET
Owner/Operator City,State,Zip: HONOLULU, HI 96813
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: 20160826
Handler Name: KAPOLEI JUVENILE DETENTION FACILITY
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

List of NAICS Codes and Descriptions:
NAICS Code: 92211
NAICS Description: Courts

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:

KAPOLEI JUVENILE DETENTION FACILITY (Continued) **1019323205**

Registry ID: 110069517259

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: 1019323205
Registry ID: 110069517259

DFR URL:
Name: KAPOLEI JUVENILE DETENTION FACILITY
Address: 287 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707

B4 **KAPOLEI DISTRICT AND FAMILY COURT** **RCRA-VSQG** **1019323204**
West **4675 KAPOLEI PARKWAY** **FINDS** **HIR000143958**
< 1/8 **KAPOLEI, HI 96707** **ECHO**
0.103 mi.
544 ft. **Site 2 of 5 in cluster B**

Relative:
Higher

Actual:
68 ft.

RCRA Listings:

Date Form Received by Agency:	20160826
Handler Name:	Kapolei District And Family Court
Handler Address:	Kapolei Parkway
Handler City,State,Zip:	KAPOLEI, HI 96707
EPA ID:	HIR000143958
Contact Name:	WAYNE S TANIGUCHI
Contact Address:	PUNCHBOWL STREET
Contact City,State,Zip:	HONOLULU, HI 96813
Contact Telephone:	808-539-4348
Contact Fax:	808-539-4021
Contact Email:	WAYNE.S.TANIGUCHI@COURTS.HAWAII.GOV
Contact Title:	JUDICIARY FIRST CIRCUIT FACILITIES MANAGER
EPA Region:	09
Land Type:	State
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported

KAPOLEI DISTRICT AND FAMILY COURT (Continued) **1019323204**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		KAPOLEI PARKWAY
Mailing City,State,Zip:		KAPOLEI, HI 96707
Owner Name:	Dept Of Land And Natural Resources	
Owner Type:		State
Operator Name:	The Judiciary - State Of Hawaii	
Operator Type:		State
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:		20160906
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:	D008
Waste Description:	Lead

KAPOLEI DISTRICT AND FAMILY COURT (Continued) **1019323204**

Waste Code: D009
Waste Description: Mercury

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: DEPT OF LAND AND NATURAL RESOURCES
Legal Status: State
Date Became Current: 19590801
Date Ended Current: Not reported
Owner/Operator Address: 1151 PUNCHBOWL STREET
Owner/Operator City,State,Zip: HONOLULU, HI 96813
Owner/Operator Telephone: 808-587-0400
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THE JUDICIARY - STATE OF HAWAII
Legal Status: State
Date Became Current: 20070910
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: 20160826
Handler Name: KAPOLEI DISTRICT AND FAMILY COURT
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

List of NAICS Codes and Descriptions:
NAICS Code: 92211
NAICS Description: Courts

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

KAPOLEI DISTRICT AND FAMILY COURT (Continued) **1019323204**

FINDS:
Registry ID: 110069517240

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: 1019323204
Registry ID: 110069517240

DFR URL:
Name: KAPOLEI DISTRICT AND FAMILY COURT
Address: 4675 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

B5 **HECO PAD-MOUNTED TRANSFORMER #78700 RELEASE** **SPILLS** **S115555055**
West **4675 KAPOLEI PKWY** **HWP** **N/A**
< 1/8 **KAPOLEI, HI 96707**
0.103 mi.
544 ft. **Site 3 of 5 in cluster B**

Relative: Higher
Actual: 68 ft.

SPILLS:
Name: HECO PAD-MOUNTED TRANSFORMER #78700 RELEASE
Address: 4675 KAPOLEI PKWY
Address 2: Not reported
City,State,Zip: KAPOLEI, HI 96707
Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20100918-1406
Facility Registry ID: Not reported
HID Number: Not reported
Lead and Program: HEER EP&R
ER: Not reported
Less Or Greater Than: <
Units: HECO Pad-Mounted Transformer #78700 Release
Activity Type: Response

HECO PAD-MOUNTED TRANSFORMER #78700 RELEASE (Continued) **S115555055**

Activity Lead:	Curtis Martin
Assignment End Date:	2012-09-27 00:00:00
Result:	SOSC NFA
File Under:	Not reported
Substances:	Transformer Oil
Quanity:	4
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-2124
RCRA Number:	HIR000143958
Name:	KAPOLEI DISTRICT AND FAMILY COURT
Address:	4675 KAPOLEI PKWY
City,State,Zip:	KAPOLEI, HI 96707
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:	HIR000143958
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	KAPOLEI DISTRICT AND FAMILY COURT
Address:	4675 KAPOLEI PARKWAY
City,State,Zip:	KAPOLEI, HI 96707
Island:	Not reported
TMK:	Not reported
Active Site:	Y
Generator Status:	VSG

HECO PAD-MOUNTED TRANSFORMER #78700 RELEASE (Continued) **S115555055**

Transporter: N
Universal Waste: N
Used Oil: NNNNNNN

B6 **KAPOLEI JUVENILE DETENTION FACILITY** **HWP** **S132376895**
West **287 KAMOKILA BLVD** **N/A**
< 1/8 **KAPOLEI, HI 96707**
0.103 mi.
544 ft. **Site 4 of 5 in cluster B**

Relative: **Higher**
Actual: **68 ft.**

HWP:
Handler ID: Not reported
HW File Number: HW-2125
RCRA Number: HIR000143966
Name: KAPOLEI JUVENILE DETENTION FACILITY
Address: 287 KAMOKILA BLVD
City,State,Zip: KAPOLEI, HI 96707
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: HIR000143966
HW File Number: Not reported
RCRA Number: Not reported
Name: KAPOLEI JUVENILE DETENTION FACILITY
Address: 287 KAMOKILA BLVD
City,State,Zip: KAPOLEI, HI 96707
Island: Not reported
TMK: Not reported
Active Site: Y
Generator Status: VSG
Transporter: N
Universal Waste: N
Used Oil: NNNNNNN

B7 **STATE OF HAWAII-JUDICIARY, FAMILY COURT** **E MANIFEST** **1032315281**
West **4675 KAPOLEI PARKWAY** **N/A**
< 1/8 **KAPOLEI, HI 96707**
0.103 mi.
544 ft. **Site 5 of 5 in cluster B**

Relative: **Higher**
Actual: **68 ft.**

E MANIFEST:
Manifest Tracking Number: 003074204GBF
Last Updated Date: 20191120
Shipped Date: 20190917
Received Date: 20191022
Manifest Status: Signed
Submission Type: DataImage5Copy
Origin Type: Service
Generator EPA ID: VSQG
Generator Name: State Of Hawaii-Judiciary, Family Court
Generator Location Street Number: Not reported

STATE OF HAWAII-JUDICIARY, FAMILY COURT (Continued) **1032315281**

Generator Location Street 1:	4675 KAPOLEI PARKWAY
Generator Location Street 2:	Not reported
Generator Location City:	KAPOLEI
Generator Location State:	HI
Generator Location Zip:	96707
Generator Mail Street Number:	Not reported
Generator Mail Street 1:	4675 Kapolei Parkway
Generator Mail Street 2:	Not reported
Generator Mail City:	Kapolei
Generator Mail Zip:	96707
Generator Mail State:	HI
Generator Contact Company Name:	Not reported
Designated Facility EPA ID:	NED981723513
Designated Facility Name:	Not reported
Designated Facility Mail Street Number:	Not reported
Designated Facility Mail Street 1:	Not reported
Designated Facility Mail Street 2:	2247 South Highway 71
Designated Facility Mail City:	Kimball
Designated Facility Mail Zip:	69145
Designated Facility Mail State:	NE
Designated Facility Location Street Number:	Not reported
Designated Facility Location Street 1:	2247 South Highway 71
Designated Facility Location Street 2:	Not reported
Designated Facility Location City:	Kimball
Designated Facility Location Zip:	69145
Designated Facility Location State:	NE
Designated Facility Contact Company Name:	Clean Harbors Environmental Services, Inc.
Manifest Residue Indicator:	N
Rejection Indicator:	N

Transporter:

Manifest Tracking Number:	003074204GBF
Transporter Line Number:	1
Transporter EPA ID:	HID982040578
Transporter Name:	Pacific Commercial Services Llc
Manifest Tracking Number:	003074204GBF
Transporter Line Number:	2
Transporter EPA ID:	CAD006912620
Transporter Name:	Matson Navigation Co Inc
Manifest Tracking Number:	003074204GBF
Transporter Line Number:	3
Transporter EPA ID:	MAD039322250
Transporter Name:	Clean Harbors Environmental Services, Inc.
Manifest Tracking Number:	003074204GBF
Transporter Line Number:	4
Transporter EPA ID:	CAR000187922
Transporter Name:	Rust And Sons Trucking Inc

Waste Line:

Manifest Tracking Number:	003074204GBF
Waste Line Number:	1
U.S. DOT Hazardous Indicator:	Y
U.S. DOT ID Number:	UN1263

STATE OF HAWAII-JUDICIARY, FAMILY COURT (Continued) **1032315281**

U.S. DOT Description:	Rq, Un1263, Waste Paint Related Material, 3, Pg Ii (D001), (Loosepack)
Non-Hazardous Waste Description:	Not reported
Number of Containers:	1
Container Type Code:	CF
Container Type Description:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	200
Quantity Unit of Measure Code:	P
Quantity Unit of Measure Description:	Pounds
Waste Quantity, in Tons:	0.1
Acute Waste Quantity, in Tons:	0
Non-Acute Waste Quantity, in Tons:	0.1
Waste Quantity, in Kilograms:	90.703
Acute Waste Quantity, in Kilograms:	0
Non-Acute Waste Quantity, in Kilorgrams:	90.703
Management Method Code:	H040
Management Method Description:	INCINERATION
Waste Residue Indicator:	N
Quantity Discrepancy Indicator:	N
Waste Type Discrepancy Indicator:	N
Waste Density:	Not reported
Waste Density Unit of Measure Code:	Not reported
Waste Density Unit of Measure Description:	Not reported
Form Code:	Not reported
Form Code Description:	Not reported
Source Code:	Not reported
Source Code Description:	Not reported
Waste Minimization Code:	Not reported
Waste Minimization Code Description:	Not reported
Consent Number:	Not reported
EPA Waste Indicator:	Y
Federal Waste Codes:	D001
Quantity Haz Kg:	90.703
Quantity Haz Tons:	0.1
Quantity Non Haz Kg:	0
Quantity Non Haz Tons:	0
State Waste Codes:	Not reported

C8 **KAISER PERMANENTE WEST OAHU MEDICAL CENTER** **RCRA-VSQG** **1027703933**
West **401 KAMOKILA BLVD** **HIR000147520**
1/8-1/4 **KAPOLEI, HI 96707**
0.155 mi.
816 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**

Actual: **69 ft.**

RCRA Listings:

Date Form Received by Agency:	20250128
Handler Name:	Kaiser Permanente West Oahu Medical Center
Handler Address:	Kamokila Blvd
Handler City,State,Zip:	KAPOLEI, HI 96707
EPA ID:	HIR000147520
Contact Name:	WADE S HAYAKAWA
Contact Address:	ALAKAWA STREET
Contact City,State,Zip:	HONOLULU, HI 96817
Contact Telephone:	808-208-5837
Contact Fax:	Not reported
Contact Email:	WADE.HAYAKAWA@KP.ORG
Contact Title:	EHS SPECIALIST
EPA Region:	09
Land Type:	Private

KAISER PERMANENTE WEST OAHU MEDICAL CENTER (Continued) **1027703933**

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:		KAMOKILA BLVD
Mailing City,State,Zip:		KAPOLEI, HI 96707
Owner Name:	Kaiser Foundation Hospital	
Owner Type:		Private
Operator Name:	Kaiser Foundation Hospital	
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:		20250128
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:		H

Hazardous Waste Summary:
Waste Code: D001

KAISER PERMANENTE WEST OAHU MEDICAL CENTER (Continued) **1027703933**

Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D004
Waste Description: Arsenic

Waste Code: D008
Waste Description: Lead

Waste Code: D010
Waste Description: Selenium

Waste Code: D011
Waste Description: Silver

Waste Code: D024
Waste Description: M-Cresol

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

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: P012
Waste Description: Arsenic Oxide As2o3 (Or) Arsenic Trioxide

Waste Code: P042
Waste Description: 1,2-Benzenediol, 4-[1-Hydroxy-2-(Methylamino)Ethyl]-, (R)- (Or) Epinephrine

Waste Code: P075
Waste Description: Nicotine, & Salts (Or) Pyridine, 3-(1-Methyl-2-Pyrrolidinyl)-,(S)-, & Salts

Waste Code: U002
Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U010
Waste Description: Azirino [2',3':3,4]Pyrrolo[1,2-A]Indole-4,7-Dione, 6-Amino-8-[[(Aminocarbonyl)Oxy]Methyl]-1,1a,2,8,8a,8b-Hexahydro-8a-Methoxy-5-Methyl-, [1as-(1aalpha, 8beta, 8aalpha, 8balpha)]- (Or) Mitomycin C

KAISER PERMANENTE WEST OAHU MEDICAL CENTER (Continued) **1027703933**

Waste Code: U034
Waste Description: Acetaldehyde, Trichloro- (Or) Chloral

Waste Code: U058
Waste Description: 2h-1,3,2-Oxazaphosphorin-2-Amine, N,N-Bis(2-Chloroethyl)Tetrahydro-, 2-Oxide (Or) Cyclophosphamide

Waste Code: U188
Waste Description: Phenol

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: KAISER FOUNDATION HOSPITAL
Legal Status: Private
Date Became Current: 20200101
Date Ended Current: Not reported
Owner/Operator Address: ONE KAISER PLAZA
Owner/Operator City,State,Zip: OAKLAND, CA 94612
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: KAISER FOUNDATION HOSPITAL
Legal Status: Private
Date Became Current: 20200101
Date Ended Current: Not reported
Owner/Operator Address: ONE KAISER PLAZA
Owner/Operator City,State,Zip: OAKLAND, CA 94612
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: KAISER FOUNDATION HOSPITAL
Legal Status: Private
Date Became Current: 20200101
Date Ended Current: Not reported
Owner/Operator Address: ONE KAISER PLAZA
Owner/Operator City,State,Zip: OAKLAND, CA 94612
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: KAISER FOUNDATION HOSPITAL
Legal Status: Private
Date Became Current: 20200101
Date Ended Current: Not reported
Owner/Operator Address: ONE KAISER PLAZA
Owner/Operator City,State,Zip: OAKLAND, CA 94612
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

KAISER PERMANENTE WEST OAHU MEDICAL CENTER (Continued) **1027703933**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20230328
Handler Name: KAISER PERMANENTE WEST OAHU MEDICAL CENTER
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: No
Electronic Manifest Broker: No

Receive Date: 20250128
Handler Name: KAISER PERMANENTE WEST OAHU MEDICAL CENTER
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: 621491
NAICS Description: Hmo Medical Centers

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C9 **KAISER PERMANENTE WEST OAHU MEDICAL CENTER** **HWP** **S132377081**
West **401 KAMOKILA BLVD** **N/A**
1/8-1/4 **KAPOLEI, HI 96707**
0.155 mi.
816 ft. **Site 2 of 2 in cluster C**

Relative: HWP:
Higher
Handler ID: HIR000147520
Actual: HW File Number: Not reported
69 ft. RCRA Number: Not reported
Name: KAISER PERMANENTE WEST OAHU MEDICAL CENTER
Address: 401 KAMOKILA BLVD
City,State,Zip: KAPOLEI, HI 96707
Island: Not reported

KAISER PERMANENTE WEST OAHU MEDICAL CENTER (Continued) **S132377081**

TMK:	Not reported
Active Site:	Y
Generator Status:	VSG
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

D10 **UAOA STREAM, HANA HIGHWAY, CONSTRUCT CONCRETE BRID** **RCRA-VSQG** **1004688983**
NW **601 KAMOKILA BOULEVARD** **FINDS** **HIR000052845**
1/8-1/4 **KAPOLEI, HI 96707** **ECHO**
0.188 mi.
992 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
60 ft.

RCRA Listings:

Date Form Received by Agency:	20230307
Handler Name:	Dags Csd Kakuhihewa Bldg
Handler Address:	601 Kamokila Blvd
Handler City,State,Zip:	KAPOLEI, HI 96707
EPA ID:	HIR000052845
Contact Name:	JAN WONG
Contact Address:	729 B KAKOI ST
Contact City,State,Zip:	HONOLULU, HI 96819
Contact Telephone:	808-586-0536
Contact Fax:	Not reported
Contact Email:	JAN.NK.WONG@HAWAII.GOV
Contact Title:	BUILDING MANAGER, DAGS CENTRAL SERVICES
EPA Region:	09
Land Type:	State
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:	729 B KAKOI ST
Mailing City,State,Zip:	HONOLULU, HI 96819
Owner Name:	State Of Hawaii Dags Cen Svc
Owner Type:	State
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

UAOA STREAM, HANA HIGHWAY, CONSTRUCT CONCRETE BRIDGE (Continued) **1004688983**

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:	20230307
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:	D001
Waste Description:	Ignitable Waste
Waste Code:	D007
Waste Description:	Chromium
Waste Code:	D008
Waste Description:	Lead
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:	STATE OF HAWAII DAGS CEN SVC
Legal Status:	State
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	729 B KAKOI ST

UAOA STREAM, HANA HIGHWAY, CONSTRUCT CONCRETE BRIDGE (Continued) **1004688983**

Owner/Operator City,State,Zip: HONOLULU, HI 96819
Owner/Operator Telephone: 808-831-6734
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: STATE OF HAWAII DAGS CEN SVC
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 729 B KAKOI ST
Owner/Operator City,State,Zip: HONOLULU, HI 96819
Owner/Operator Telephone: 808-831-6734
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: STATE OF HAWAII DAGS CEN SVC
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 729 B KAKOI ST
Owner/Operator City,State,Zip: HONOLULU, HI 96819
Owner/Operator Telephone: 808-831-6734
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190111
Handler Name: DAGS CSD KAKUHIHEWA BLDG
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: No
Electronic Manifest Broker: No

Receive Date: 20230307
Handler Name: DAGS CSD KAKUHIHEWA BLDG
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

UAOA STREAM, HANA HIGHWAY, CONSTRUCT CONCRETE BRIDGE (Continued) **1004688983**

Electronic Manifest Broker: No

Receive Date: 19990528
Handler Name: DAGS CSD KAKUHIHEWA BLDG
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

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: 110046176008

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.
Registry ID: 110005730414

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

UAOA STREAM, HANA HIGHWAY, CONSTRUCT CONCRETE BRIDGE (Continued) **1004688983**

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.
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Registry ID: 110055119321

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004688983
Registry ID: 110005730414

DFR URL:
Name: DAGS CSD KAKUHIHEWA BLDG
Address: 601 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707

D11 **DAGS CSD KAKUHIHEWA BLDG** **HWP** **S132376353**
NW **601 KAMOKILA BLVD** **N/A**
1/8-1/4 **KAPOLEI, HI 96707**
0.188 mi.
992 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
60 ft.

HWP:
Handler ID: HIR000052845
HW File Number: Not reported
RCRA Number: Not reported
Name: DAGS CSD KAKUHIHEWA BLDG

DAGS CSD KAKUHIHEWA BLDG (Continued) **S132376353**

Address:	601 KAMOKILA BLVD
City,State,Zip:	KAPOLEI, HI 96707
Island:	Not reported
TMK:	Not reported
Active Site:	Y
Generator Status:	VSG
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

12
WNW
1/8-1/4
0.205 mi.
1081 ft.

ACE HARDWARE-KAPOLEI **HWP** **S132375256**
480 KAMOKILA BOULEVARD **N/A**
KAPOLEI, HI 96707

Relative:
Higher

Actual:
69 ft.

HWP:

Handler ID:	Not reported
HW File Number:	00-HW-1019
RCRA Number:	Not reported
Name:	ACE HARDWARE-KAPOLEI
Address:	480 KAMOKILA BOULEVARD
City,State,Zip:	KAPOLEI, HI 96707
Island:	Oahu
TMK:	Not reported
Active Site:	Not reported
Generator Status:	Not reported
Transporter:	Not reported
Universal Waste:	Not reported
Used Oil:	Not reported

E13
SSW
1/8-1/4
0.206 mi.
1090 ft.

BARBERS POINT CENTRAL OFFICE **UST** **U003222143**
ROOSEVELT & COPAHEE **Financial Assurance** **N/A**
KAPOLEI, HI 96707

Site 1 of 2 in cluster E

Relative:
Higher

Actual:
53 ft.

UST:

Name:	BARBERS POINT CENTRAL OFFICE
Address:	Roosevelt & Copahee
City,State,Zip:	KAPOLEI, HI 96707
Facility ID:	9-203295
Owner:	Hawaiian Telcom
Owner Address:	1177 Bishop Street, Suite 30
Owner City,St,Zip:	Kapolei, 96707 96707
Latitude:	21.324334
Longitude:	-158.082764
Horizontal Reference Datum Name:	NAD83
Horizontal Collection Method Name:	GPS
Tank ID:	M-1
Date Installed:	05/01/1987
Tank Status:	**Currently In Use**
Date Closed:	Not reported
Tank Capacity:	550
Substance:	Diesel

BARBERS POINT CENTRAL OFFICE (Continued) **U003222143**

HI Financial Assurance:

Name:	BARBERS POINT CENTRAL OFFICE
Address:	Roosevelt & Copahee
City,State,Zip:	KAPOLEI, HI 96707
Alt Facility ID:	9-203295
Tank Id:	M-1
Tank Status:	Currently In Use
FRTYPE:	Other
Expiration Date:	Not reported
FR Archive:	True

Name:	BARBERS POINT CENTRAL OFFICE
Address:	Roosevelt & Copahee
City,State,Zip:	KAPOLEI, HI 96707
Alt Facility ID:	9-203295
Tank Id:	M-1
Tank Status:	Currently In Use
FRTYPE:	Self Insured
Expiration Date:	05/02/2010
FR Archive:	True

Name:	BARBERS POINT CENTRAL OFFICE
Address:	Roosevelt & Copahee
City,State,Zip:	KAPOLEI, HI 96707
Alt Facility ID:	9-203295
Tank Id:	M-1
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	05/02/2021
FR Archive:	True

Name:	BARBERS POINT CENTRAL OFFICE
Address:	Roosevelt & Copahee
City,State,Zip:	KAPOLEI, HI 96707
Alt Facility ID:	9-203295
Tank Id:	M-1
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	05/02/2024
FR Archive:	False

E14 **BARBERS POINT CENTRAL OFFICE** **UST FINDER** **1028283506**
SSW **ROOSEVELT & COPAHEE** **N/A**
1/8-1/4 **KAPOLEI, HI 96707**
0.206 mi.
1090 ft. **Site 2 of 2 in cluster E**

Relative: **Higher**
Actual: **53 ft.**

UST FINDER:

Object ID:	109193
Facility ID:	HI9-203295
Name:	BARBERS POINT CENTRAL OFFICE
Address:	ROOSEVELT & COPAHEE
City,State,Zip:	KAPOLEI, HI 96707
Address Match Type:	Not reported
Open USTs:	1
Closed USTs:	0
TOS USTs:	0

BARBERS POINT CENTRAL OFFICE (Continued) **1028283506**

Population 1500ft:	35
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:	-158.082764
Y Coord:	21.3243340000001
Latitude:	21.324334
Longitude:	-158.082764

UST FINDER:

Object ID:	399049
Facility ID:	HI9-203295
Tank ID:	HI9-203295M-1
Tank Status:	Open
Installation Date:	1987/05/01 16:00:00+00
Removal Date:	Not reported
Tank Capacity:	550
Substances:	Diesel
Tank Wall Type:	Not reported

15
WNW
1/8-1/4
0.234 mi.
1234 ft.

KAMOKILA TEXACO 380192
484 KAMOKILA BLVD
KAPOLEI, HI 96707

UST **U004289814**
SPILLS **N/A**
Financial Assurance

Relative:
Higher

Actual:
66 ft.

UST:

Name:	KAMOKILA TEXACO 380192
Address:	484 Kamokila Blvd
City,State,Zip:	KAPOLEI, HI 96707
Facility ID:	9-203976
Owner:	IES Retail, LLC
Owner Address:	91-480 Malakole st.
Owner City,St,Zip:	Kapolei, 96707 96707
Latitude:	Not reported
Longitude:	Not reported
Horizontal Reference Datum Name:	Not reported
Horizontal Collection Method Name:	Not reported
Tank ID:	1
Date Installed:	12/10/2018
Tank Status:	**Currently In Use**

KAMOKILA TEXACO 380192 (Continued) **U004289814**

Date Closed: Not reported
Tank Capacity: 15000
Substance: Gasohol

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 2
Date Installed: 12/10/2018
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 10000
Substance: Gasohol

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 3A
Date Installed: 12/10/2018
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 6000
Substance: Diesel

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 3B
Date Installed: 12/10/2018
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 4000
Substance: Gasoline

SPILLS:
Name: GASOLINE SPILL AT A GAS STATION
Address: 484 KAMOKILA BLVD.
Address 2: Not reported
City,State,Zip: KAPOLEI, HI
Island: Not reported
Supplemental Loc. Text: Not reported
Case Number: 20191204-1740
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: NFA
File Under: Not reported
Substances: Not reported

KAMOKILA TEXACO 380192 (Continued) **U004289814**

Quanity:	Not reported
Units:	Not reported
Reported Date:	2019-12-05
Release Date:	Not reported
Release Duration:	Not reported
Media:	Gasoline
Waterbody:	Not reported
Summary:	Gasoline from a pump at a gas station spilled on to the concrete at the station after a vehicle drove away with the nozzle of the pump still in the car.
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

HI Financial Assurance:

Name:	KAMOKILA TEXACO 380192
Address:	484 Kamokila Blvd
City,State,Zip:	KAPOLEI, HI 96707
Alt Facility ID:	9-203976
Tank Id:	3A
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	11/01/2021
FR Archive:	False

Name:	KAMOKILA TEXACO 380192
Address:	484 Kamokila Blvd
City,State,Zip:	KAPOLEI, HI 96707
Alt Facility ID:	9-203976
Tank Id:	1
Tank Status:	Currently In Use
FRTYPE:	Insurance
Expiration Date:	11/01/2021
FR Archive:	False

Name:	KAMOKILA TEXACO 380192
Address:	484 Kamokila Blvd
City,State,Zip:	KAPOLEI, HI 96707
Alt Facility ID:	9-203976
Tank Id:	3B
Tank Status:	Currently In Use
FRTYPE:	Insurance

KAMOKILA TEXACO 380192 (Continued) **U004289814**

Expiration Date: 11/01/2021
FR Archive: False

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203976
Tank Id: 2
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 11/01/2021
FR Archive: False

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203976
Tank Id: 3B
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 05/01/2024
FR Archive: True

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203976
Tank Id: 2
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 05/01/2024
FR Archive: True

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203976
Tank Id: 1
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 05/01/2024
FR Archive: True

Name: KAMOKILA TEXACO 380192
Address: 484 Kamokila Blvd
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203976
Tank Id: 3A
Tank Status: Currently In Use
FRTYPE: Insurance
Expiration Date: 05/01/2024
FR Archive: True

16 SE 1/8-1/4 0.234 mi. 1236 ft. | **D.R. HORTON KUKUNA PROJECT**
1101 KUKULU ST
KAPOLEI, HI 96707 | **SHWS** | **S118943651**
N/A

Relative: Higher
Actual: 58 ft.

SHWS:

IHEER ID:	97
Name:	D.R. HORTON KUKUNA PROJECT
Address:	1101 KUKULU ST
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI 96707
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Lynn Bailey
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	1101 Kukulu St, West of Kunehi St and South of Kukulu St, Kapolei, HI 96707
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:	08/11/2020
Status name:	ASSESSMENT
Aliases:	Brownfields Low Priority Site; Honolulu High-Capacity Transit Corridor; Mehana at Kapolei
Tax Map Keys:	191160037;
Latitude:	21.324
Longitude:	-158.076035

SHWS:

IHEER ID:	97
Document Type:	Undetermined
Document Title:	Concurrence With Dr Horton Kukuna Project, Summary Report, Soil Import History Related To Honolulu Rail Transit Project (Hrtp) Archaeological Inventory Survey (Ais) Test Trenches, Jun 10
Document Date:	Jun 19, 2013
Document Number:	147849

IHEER ID:	97
Document Type:	Undetermined
Document Title:	Dr Horton Kukuna Project, Summary Report, Soil Import History Related To Honolulu Rail Transit Project (Hrtp) Archaeological Inventory Survey (Ais) Test Trenches
Document Date:	Jun 10, 2013

D.R. HORTON KUKUNA PROJECT (Continued) **S118943651**

Document Number:	147851
IHEER ID:	97
Document Type:	Undetermined
Document Title:	Application For A Zone Change - Mehana At Kapolei, File Number 2004/Z-5
Document Date:	Aug 5, 2004
Document Number:	147850

F17 **DANIEL K. AKAKA DEPARTMENT OF VETERANS AFFAIRS COM** **HWP** **S132377075**
SW **91-1051 FRANKLIN D ROOSEVELT AVE** **N/A**
1/8-1/4 **KAPOLEI, HI 96707**
0.248 mi.
1311 ft. **Site 1 of 2 in cluster F**

Relative: **Higher**
Actual: **53 ft.**

HWP:

Handler ID:	HIR000147454
HW File Number:	Not reported
RCRA Number:	Not reported
Name:	DANIEL K. AKAKA DEPARTMENT OF VETERANS AFFAIRS COMMUNITY-BASED OUTPATIENT CLINIC
Address:	91-1051 FRANKLIN D ROOSEVELT AVE
City,State,Zip:	KAPOLEI, HI 96707
Island:	Not reported
TMK:	Not reported
Active Site:	Y
Generator Status:	SQG
Transporter:	N
Universal Waste:	N
Used Oil:	NNNNNNN

F18 **DANIEL K. AKAKA DEPARTMENT OF VETERANS AFFAIRS COM** **RCRA-SQG** **1027703926**
SW **91-1051 FRANKLIN D ROOSEVELT AVE** **HIR000147454**
1/8-1/4 **KAPOLEI, HI 96707**
0.248 mi.
1311 ft. **Site 2 of 2 in cluster F**

Relative: **Higher**
Actual: **53 ft.**

RCRA Listings:

Date Form Received by Agency:	20230404
Handler Name:	Daniel K. Akaka Department Of Veterans Affairs Community-Based Outpatient Clinic
Handler Address:	Franklin D Roosevelt Ave
Handler City,State,Zip:	KAPOLEI, HI 96707
EPA ID:	HIR000147454
Contact Name:	PETER K WON
Contact Address:	FRANKLIN D ROOSEVELT AVE
Contact City,State,Zip:	KAPOLEI, HI 96707
Contact Telephone:	808-940-3609
Contact Fax:	Not reported
Contact Email:	PETER.WON@VA.GOV
Contact Title:	ENGINEER
EPA Region:	09
Land Type:	Federal
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported

DANIEL K. AKAKA DEPARTMENT OF VETERANS AFFAIRS COMMUNITY-BAS (Continued) **1027703926**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		FRANKLIN D ROOSEVELT AVE
Mailing City,State,Zip:		KAPOLEI, HI 96707
Owner Name:	Department Of Veteran Affairs Vapihcs Hawaii	
Owner Type:		Federal
Operator Name:	Department Of Veteran Affairs Vapihcs Hawaii	
Operator Type:		Federal
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:		The land is federally-owned, The site is federally-owned, The site is federally-operated
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:		20230405
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:		H

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DEPARTMENT OF VETERAN AFFAIRS VAPIHCS HAWAII

DANIEL K. AKAKA DEPARTMENT OF VETERANS AFFAIRS COMMUNITY-BAS (Continued) **1027703926**

Legal Status:	Federal
Date Became Current:	20230329
Date Ended Current:	Not reported
Owner/Operator Address:	459 PATTERSON ROAD
Owner/Operator City,State,Zip:	HONOLULU, HI 96819
Owner/Operator Telephone:	808-940-3609
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	PETER.WON@VA.GOV
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DEPARTMENT OF VETERAN AFFAIRS VAPIHCS HAWAII
Legal Status:	Federal
Date Became Current:	20230329
Date Ended Current:	Not reported
Owner/Operator Address:	459 PATTERSON ROAD
Owner/Operator City,State,Zip:	HONOLULU, HI 96819
Owner/Operator Telephone:	808-940-3609
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	PETER.WON@VA.GOV

Historic Generators:

Receive Date:	20230404
Handler Name:	DANIEL K. AKAKA DEPARTMENT OF VETERANS AFFAIRS COMMUNITY-BASED OUTPATIENT CLINIC
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:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	923140
NAICS Description:	Administration Of Veterans' Affairs

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

19
West
1/4-1/2
0.252 mi.
1332 ft.

COSTCO GASOLINE (LOC. NO. 1038)
4589 KAPOLEI PARKWAY
KAPOLEI, HI 96707

SHWS **U004155572**
UST **N/A**
Financial Assurance
HWP

Relative:
Higher

Actual:
66 ft.

SHWS:

IHEER ID:	532
Name:	COSTCO KAPOLEI
Address:	4589 KAPOLEI PKWY
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI 96707
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:	4589 Kapolei Pkwy, Kapolei, HI 96707
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:	08/13/2021
Status name:	REFERRED
Aliases:	Not reported
Tax Map Keys:	191016001; 191160014;
Latitude:	21.326701
Longitude:	-158.087554

SHWS:

IHEER ID:	532
Document Type:	Undetermined
Document Title:	Application For A Zone Change From P-2 General Preservation To Bmx-3 Community Business Mixed Use For The Costco Wholesale, Kapolei Project, Kapolei, Ewa, Tmk 9-1-016: Por.1
Document Date:	Oct 16, 2006
Document Number:	53654

IHEER ID:	532
Document Type:	Undetermined
Document Title:	Rezoning Application Costco Wholesale Kapolei, Tmk 1-9-1-016-001 (Por) The City Of Kapolei, Honouliuli, Ewa, West, Oahu Hi
Document Date:	Sep 30, 2006
Document Number:	4912

IHEER ID:	532

COSTCO GASOLINE (LOC. NO. 1038) (Continued) **U004155572**

Document Type: Site Characterization Report
Document Title: Phase Ii Esa Vacant Lot (Proposed Costco Wholesale Warehouse Location) Corner Kapolei Pkwy & Kamokila Blvd, Kapolei, Oahu Hi, 96707, Tmk 1-9-1-016-001 (Por)
Document Date: May 12, 2006
Document Number: 53653

IHEER ID: 532
Document Type: Phase I Environmental Site Assessment
Document Title: Phase I Esa Vacant Lot (Proposed Costco Wholesale Warehouse Location) Corner Kapolei Pkwy & Kamokila Blvd, Kapolei, Oahu Hi, 96707, Tmk 1-9-1-016-001 (Por)
Document Date: Mar 10, 2006
Document Number: 53655

UST:
Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707
Facility ID: 9-203850
Owner: Costco Wholesale Corporation
Owner Address: P.O. Box 35005
Owner City,St,Zip: Kapolei, 96707 96707
Latitude: 21.326840
Longitude: -158.089950
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: GPS

Tank ID: 1
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 1
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 1
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

COSTCO GASOLINE (LOC. NO. 1038) (Continued) **U004155572**

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 1
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 1
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 2
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 2
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 2
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway

COSTCO GASOLINE (LOC. NO. 1038) (Continued) **U004155572**

City,State,Zip: KAPOLEI, HI 96707

Tank ID: 2
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 2
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 3
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 3
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 3
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

COSTCO GASOLINE (LOC. NO. 1038) (Continued) **U004155572**

Tank ID: 3
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707

Tank ID: 3
Date Installed: 11/01/2008
Tank Status: **Currently in Use**
Date Closed: Not reported
Tank Capacity: 30000
Substance: Gasohol

HI Financial Assurance:
Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203850
Tank Id: 1
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 07/01/2016
FR Archive: True

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203850
Tank Id: 3
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 07/01/2016
FR Archive: True

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203850
Tank Id: 2
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 07/01/2016
FR Archive: True

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203850
Tank Id: 2
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 07/02/2024

COSTCO GASOLINE (LOC. NO. 1038) (Continued) **U004155572**

FR Archive: False

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203850
Tank Id: 3
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 07/02/2024
FR Archive: False

Name: COSTCO GASOLINE (LOC. NO. 1038)
Address: 4589 Kapolei Parkway
City,State,Zip: KAPOLEI, HI 96707
Alt Facility ID: 9-203850
Tank Id: 1
Tank Status: Currently in Use
FRTYPE: Insurance
Expiration Date: 07/02/2024
FR Archive: False

HWP:
Handler ID: Not reported
HW File Number: HW-2677
RCRA Number: HIR000139006
Name: COSTCO WHOLESALE #1038
Address: 4589 KAPOLEI PARKWAY
City,State,Zip: KAPOLEI, HI 96707
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: HIR000139006
HW File Number: Not reported
RCRA Number: Not reported
Name: COSTCO WHOLESALE #1038
Address: 4589 KAPOLEI PARKWAY
City,State,Zip: KAPOLEI, HI 96707
Island: Not reported
TMK: Not reported
Active Site: Y
Generator Status: SQG
Transporter: N
Universal Waste: N
Used Oil: NNNNNNN

20
SW
1/4-1/2
0.291 mi.
1536 ft.

KALAELOA HOUSING DEVELOPMENT- PARCEL I
SARATOGA AVENUE, KALAELOA, HI
KAPOLEI, HI

SHWS **S128196172**
N/A

Relative:
Lower

Actual:
49 ft.

SHWS:

IHEER ID:	2975
Name:	KALAELOA HOUSING DEVELOPMENT- PARCEL I
Address:	SARATOGA AVENUE, KALAELOA, HI
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Allison Hutto
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Naval Air Station Barbers Point
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:	11/21/2021
Status name:	REMEDY IN PLACE
Aliases:	Brownfields Unranked Site; Kalaeloa Redevelopment Program; Kalaeloa Redevelopment Program - Parcel I
Tax Map Keys:	191013002; 191013004; 191013078; 191013079; 191013128; 191013129;
Latitude:	21.323198
Longitude:	-158.085529

SHWS:

IHEER ID:	2975
Document Type:	Comment Letter
Document Title:	Backcheck On Rtcs And Revised Long-Term Ehmp
Document Date:	Sep 19, 2023
Document Number:	203932
IHEER ID:	2975
Document Type:	Environmental Hazard Management Plan
Document Title:	Revised Long-Term Environmental Hazard Management Plan For Kalaeloa Housing Project Parcel 1 Located At Parcel 1, Kalaeloa, Oahu, Hawaii Site Tmk # (1) 9-1-013:002
Document Date:	May 23, 2023
Document Number:	201878
IHEER ID:	2975

KALAELOA HOUSING DEVELOPMENT- PARCEL I (Continued) **S128196172**

Document Type:	Response to Comments
Document Title:	Rtc On Long-Term Environmental Hazard Management Plan (Ehmp) For Pesticide-Impacted Soil (Pis) At Kalaeloa Housing Project, Parcel 1, Located At 2506-2310 Roosevelt Avenue, Kapolei, Hawaii 96707; Dated August 2022
Document Date:	May 23, 2023
Document Number:	201877
IHEER ID:	2975
Document Type:	Comment Letter
Document Title:	Review Of Long-Term Ehmp For Kalaeloa Housing Project Parcel 1
Document Date:	May 9, 2023
Document Number:	201305
IHEER ID:	2975
Document Type:	Comment Letter
Document Title:	Letter Requesting Site Updates And Post Construction Ehe/Ehmp
Document Date:	Apr 10, 2023
Document Number:	200797
IHEER ID:	2975
Document Type:	E-mail
Document Title:	Complaint From John Bond
Document Date:	Jan 5, 2023
Document Number:	200131
IHEER ID:	2975
Document Type:	Environmental Hazard Management Plan
Document Title:	Long-Term Environmental Hazard Management Plan
Document Date:	Aug 31, 2022
Document Number:	201291
IHEER ID:	2975
Document Type:	Undetermined
Document Title:	Kalaeloa Ventures Housing Project, Parcel 1 Soil Complaint
Document Date:	Sep 14, 2021
Document Number:	184401
IHEER ID:	2975
Document Type:	Review Letter
Document Title:	Review Of The C-Ehmp For Kalaeloa Housing Project Parcel I
Document Date:	Jun 17, 2021
Document Number:	180073
IHEER ID:	2975
Document Type:	CEHMP
Document Title:	Final Parcel I C-Ehmp For Kalaeloa Housing Development
Document Date:	Jun 9, 2021
Document Number:	180035
IHEER ID:	2975
Document Type:	CEHMP
Document Title:	Draft Parcel I C-Ehmp
Document Date:	May 11, 2021
Document Number:	179821
IHEER ID:	2975

KALAELOA HOUSING DEVELOPMENT- PARCEL I (Continued) **S128196172**

Document Type: Review Letter
Document Title: Review Of The Summary Of Findings - Kalaeloa Housing Development Parcel I
Document Date: May 10, 2021
Document Number: 179730

IHEER ID: 2975
Document Type: Response to Comments
Document Title: Summary Of Findings Report Response To Comments
Document Date: Mar 31, 2021
Document Number: 179680

IHEER ID: 2975
Document Type: Site Characterization Report
Document Title: Summary Of Site Characterization Report
Document Date: Mar 31, 2021
Document Number: 179681

IHEER ID: 2975
Document Type: Review Letter
Document Title: Review Of Summary Of Findings
Document Date: Apr 21, 2020
Document Number: 174498

IHEER ID: 2975
Document Type: Undetermined
Document Title: Map Summary Of Findings Report Kalaeloa Housing Project, Parcel 1
Document Date: Apr 20, 2020
Document Number: 174452

IHEER ID: 2975
Document Type: Site Characterization Report
Document Title: Summary Of Findings
Document Date: Apr 20, 2020
Document Number: 173533

IHEER ID: 2975
Document Type: Site Characterization Report
Document Title: Summary Of Finding Reports
Document Date: Feb 28, 2020
Document Number: 180980

IHEER ID: 2975
Document Type: Phase II Environmental Site Assessment
Document Title: Final Environmental Investigation Report Parcels 1-5
Document Date: Jan 10, 2017
Document Number: 180979

21
ENE
1/4-1/2
0.302 mi.
1597 ft.

LEIHANO PROPROSED KAPOLEI SENIOR VILLAGE
KAPOLEI, HI

SHWS **S108859916**
N/A

Relative:
Higher

Actual:
56 ft.

SHWS:

IHEER ID:	2321
Name:	LEIHANO PROPROSED KAPOLEI SENIOR VILLAGE
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	John Peard
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:	05/30/2019
Status name:	NFA
Aliases:	Not reported
Tax Map Keys:	191016122; 191016123;
Latitude:	21.331216
Longitude:	-158.074083

SHWS:

IHEER ID:	2321
Document Type:	No Further Action Determination Letter
Document Title:	Leihano Proposed Kapolei Senior Village Review Of Pesticide Soil Sampling Results And Determination Of No Further Action (Nfa)
Document Date:	Sep 5, 2007
Document Number:	70842
IHEER ID:	2321
Document Type:	Undetermined
Document Title:	Additional Pesticide Soil Sampling Results Leihano Proposed Kapolei Senior Village Kapolei, Oahu Hi, Tmk 1-9-1-016-122 & 123
Document Date:	Aug 30, 2007
Document Number:	70843
IHEER ID:	2321
Document Type:	Undetermined

LEIHANO PROPROSED KAPOLEI SENIOR VILLAGE (Continued) **S108859916**

Document Title:	Assessment Of Arsenic Soil Contamination, Tmk 1-9-1-016-122 & 123 Leihano Proposed Kapolei Senior Village, Kapolei, Island Of Oahu, Hi
Document Date:	May 24, 2007
Document Number:	70841
IHEER ID:	2321
Document Type:	Undetermined
Document Title:	Phase I Esa, Tmk 1-9-1-016-122 & 123 Leihano Proposed Kapolei Senior Village, Kapolei, Island Of Oahu, Hi
Document Date:	Apr 30, 2007
Document Number:	70840
IHEER ID:	2321
Document Type:	Undetermined
Document Title:	Comments From Heer For Land Use Review, Conditional Use Permit (Major) For Group Living Facilities, Kapolei Senior Village, Tmk 1-9-1-016-123
Document Date:	Aug 11, 2006
Document Number:	70839

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22 **HOOKELE ELEMENTARY SCHOOL** **SHWS** **S126282716**
East **511 KUNEHI ST** **N/A**
1/4-1/2 **KAPOLEI, HI 96707**
0.344 mi.
1816 ft.

Relative: **Higher**

Actual: **58 ft.**

SHWS:

IHEER ID:	555
Name:	HOOKELE ELEMENTARY SCHOOL
Address:	511 KUNEHI ST
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI 96707
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:	511 Kunehi St, Kapolei, HI 96707
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:	Consultation
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:	01/21/2020
Status name:	ASSESSMENT

HOOKELE ELEMENTARY SCHOOL (Continued) **S126282716**

Aliases:	Kapolei II Elementary School
Tax Map Keys:	191016124; 191016131; 191160024;
Latitude:	21.327381
Longitude:	-158.072011

SHWS:

IHEER ID:	555
Document Type:	Phase I Environmental Site Assessment
Document Title:	Report Of Phase I Esa, Mehana Conveyance Of School Site 12.35 Acre Undeveloped Property. Tmk 1-9-1-016-Portions Of Parcels 124 And 131 Kapolei, Oahu Hi
Document Date:	Jan 28, 2010
Document Number:	135415

IHEER ID:	555
Document Type:	Undetermined
Document Title:	Request To Review A Phase I Esa For The School Site In Kapolei, Oahu
Document Date:	Jan 28, 2010
Document Number:	5222

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23 **BARBERS POINT NAS UST BP 19-20** **SHWS** **S126282286**
SSE **N/A**
1/4-1/2 **BARBERS POINT NAS, HI**
0.380 mi.
2004 ft.

Relative:
Higher

Actual:
54 ft.

SHWS:

IHEER ID:	1792
Name:	BARBERS POINT NAS UST BP 19-20
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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:	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

BARBERS POINT NAS UST BP 19-20 (Continued) **S126282286**

Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	Not reported
Longitude:	Not reported

24
SSW
1/4-1/2
0.395 mi.
2088 ft.

BARBERS POINT ELEMENTARY SCHOOL BUILDING EXTERIOR **SHWS S109953148**
3001 BOXER RD **LEAD N/A**
KAPOLEI, HI 96707 **UIC**

Relative:
Lower

Actual:
49 ft.

SHWS:

IHEER ID:	2887
Name:	BARBERS POINT ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS
Address:	3001 BOXER RD
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI 96707
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:	3001 Boxer Rd, Kapolei, HI 96707, 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:	191013003;
Latitude:	21.322154
Longitude:	-158.081615

LEAD:

Notification Number:	PEIN-13-0006
Type:	Not reported
Name:	BARBER'S POINT ELEMENTARY SCHOOL
Address:	3001 BOXER ROAD
City,State,Zip:	KAPOLEI, HI 96707
Complaint Number:	Not reported
Date:	9)1712013

BARBERS POINT ELEMENTARY SCHOOL BUILDING EXTERIOR SOILS (Continued) **S109953148**

Date Closed:	Not reported
Contact:	Austin P. Nakoa, President
Report Date:	10/7/2013
Correction Date:	10/8/20
Inspection Notes:	Lead-Based Paint Abatemen! Notification
Status:	Not reported
Emergency:	Not reported
Type of Building:	Not reported
Square Footage:	Not reported
Description of Project:	Not reported
Cert Number:	Not reported
Expiration Date:	Not reported
Abatement Firm:	Not reported

UIC:

Name:	BARBERS POINT ELEMENTARY SCHOOL (DWS)
Address:	3001 BOXER RD.
City,State,Zip:	KAPOLEI, HI 96707
UIC Permit Number:	UO-2071
Facility Id/Lat Long Minute Coordinates:	3-1905.01.1-3
Central Latitude Of The Site:	21 19 27
Central Longitude Of The Site:	158 05 01
Flow In Gallons Per Day:	8,600 gpm
Total Number Of Inj. Well(S) On Permit:	3
Island:	Oahu
Location In Relation To UIC Line:	Not reported
Facility Type:	DW
Subclass:	C
Facility Operator, Not Contract Opr:	State of Hawaii - DOE
Operator Address:	PO Box 2360 HON, HI 96804
Facility Owner:	State of Hawaii - DOE
Owner Address:	PO Box 2360 HON, HI 96804
Tax Map Key Number:	1;
Owner Of Land Property On Leasehold:	none
Consultant Serving The Application:	Prepared in-house
Receipt Of Initial Application:	9/14/1999
Public Notice Date:	Not reported
Approval-To-Construct Issuance Date:	10/19/1999
Exemption Issuance Date:	Not reported
1st Issuance Of Permit:	10/31/1999
Last Issuance Of Permit:	Not reported
Type:	Not reported
Permit Expiration Date:	10/30/2004
Date When File Is Closed:	Not reported
UIC Project Geologist:	NU
Remarks:	Not reported

25
SE
1/4-1/2
0.471 mi.
2487 ft.

NAVAL AIR STATION, BARBERS POINT **LUST U003346377**
BLDG 74 TANK BP92 **UST N/A**
BARBERS POINT NAVAL AIR STATIO, HI 96862

Relative:
Lower

Actual:
40 ft.

LUST:

Name:	NAVAL AIR STATION, BARBERS POINT
Address:	BLDG 74 TANK BP92
City,State,Zip:	BARBERS POINT NAVAL AIR STATION, HI 96862

NAVAL AIR STATION, BARBERS POINT (Continued) **U003346377**

Facility ID: 9-103191
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 06/27/2011
Release ID: 030039
Project Officer: To DERA

UST:
Name: NAVAL AIR STATION, BARBERS POINT
Address: Bldg 74 Tank Bp92
City,State,Zip: BARBERS POINT NAVAL AIR STATION, HI 96862
Facility ID: 9-103191
Owner: U.S. DEPT OF THE NAVY
Owner Address: Not reported
Owner City,St,Zip: Barbers Point Naval Air Station, 96862 96862
Latitude: 21.321023
Longitude: -158.075242
Horizontal Reference Datum Name: NAD83
Horizontal Collection Method Name: Map

Tank ID: R-BP92
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 11/12/1993
Tank Capacity: 250
Substance: Used Oil

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26 **KAPOLEI BUSINESS PARK PERCHLOROETHYLENE IN SOIL** **SHWS** **S126282814**
West **91-600 KALAELOA BLVD** **N/A**
1/4-1/2 **KAPOLEI, HI 96707**
0.482 mi.
2543 ft.

Relative:
Higher

Actual:
59 ft.

SHWS:
IHEER ID: 84
Name: KAPOLEI BUSINESS PARK PERCHLOROETHYLENE IN SOIL
Address: 91-600 KALAELOA BLVD
Address 2: Not reported
City,State,Zip: KAPOLEI, HI 96707
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: 91-600 Kalaeloa Blvd, Kapolei Business Park
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

KAPOLEI BUSINESS PARK PERCHLOROETHYLENE IN SOIL (Continued) **S126282814**

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:	191075035; 191075068; 191075069; 191075070; 191075071; 191075077; 191075078; 191075079;
Latitude:	21.318756
Longitude:	-158.096892

SHWS:

IHEER ID:	84
Document Type:	Site Inspection Report
Document Title:	Trash Man/Norwegian Cruise Line Site, Site Location: Campbell Industrial Park, Tmk 1-9-1-075-035-0000
Document Date:	Sep 9, 2011
Document Number:	168411

27
NE
1/2-1
0.533 mi.
2814 ft.

Relative:
Higher

Actual:
98 ft.

FORT BARRETTE **FUDS** **1024901938**
N/A

EWA, HI

FUDS:

EPA Region:	09
Installation ID:	HI99799F382800
Congressional District Number:	1
Name:	FORT BARRETTE
FUDS Number:	H09HI0087
City:	EWA
State:	HI
County:	HONOLULU
Object ID:	8868
USACE Division:	pod
USACE District:	poh
Status:	Properties with all projects at site closeout
Current Owner:	Fed: Federal Us Army: Used For Agricultural Purposes; Public Park And Publuic Recreation Area Purposes ; Priv: Private Us Army: Used For Agricultural Purposes; Public Park And Publuic Recreation Area Purposes
EMS Map Link:	
Eligibility:	Eligible
Has Projects:	yes
NPL Status:	Not on the NPL
Project Required:	yes
Feature Description:	The Project Site Consisted Of 38.53 Acres Purchased By The Us Government On November 1931. On April 23, 1956 The 38.53 Acre Installation Was Declared Excess To The Needs Of The Army And Was Transferre D To The Navy.
Latitude:	21.335
Longitude:	-158.07333333

FORT BARRETTE (Continued) **1024901938**

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	HI9799F3828
RAB:	Not reported
NPL Status:	Not Listed
Description:	THE SITE CONTAINS EXPOSED CESS POOLS, EXPOSED MANHOLES, UNDERGROUND CONCRETE BOXES, SEPTIC TANKS AND FUEL TANK VAULTS, AN UNDERGROUND RESERVOIR. THESE STRUCTURES POSE POTENTIAL SAFETY HAZARDS TO FUTUR E PARK VISITORS.
History:	THE PROJECT SITE CONSISTED OF 38.53 ACRES PURCHASED BY THE US GOVERNMENT ON NOVEMBER 1931. ON APRIL 23, 1956 THE 38.53 ACRE INSTALLATION WAS DECLARED EXCESS TO THE NEEDS OF THE ARMY AND WAS TRANSFERRE D TO THE NAVY.
CTC:	1352.7
Current Program:	Not reported
Future Program:	Not reported
Institutional ID:	54583

G28 **FORT BARRETTE, SAFETY HAZARD REMOVAL** **SHWS** **S110061402**
NE **N/A**
1/2-1 **FORT BARRETTE, HI**
0.543 mi.
2869 ft. **Site 1 of 2 in cluster G**

Relative: SHWS:
Higher

Actual: IHEER ID:	2122
140 ft. Name:	FORT BARRETTE, SAFETY HAZARD REMOVAL
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	FORT BARRETTE, 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:	05/30/2019
Status name:	ASSESSMENT

FORT BARRETTE, SAFETY HAZARD REMOVAL (Continued) **S110061402**

Aliases: Not reported
Tax Map Keys: 191160033;
Latitude: 21.335732
Longitude: -158.074477

SHWS:
IHEER ID: 2122
Document Type: Undetermined
Document Title: Environmental Assessment For Safety Hazard Removal
Document Date: Nov 2, 1990
Document Number: 112498

IHEER ID: 2122
Document Type: Undetermined
Document Title: Environmental Assessment For Safety Hazard Removal Fort Barrette, Oahu Hi
Document Date: Oct 1, 1990
Document Number: 112497

G29 **FUDS FORT BARRETTE** **SHWS** **S126282455**
NNE **N/A**
1/2-1 **HONOLULU (County), HI**
0.563 mi.
2971 ft. **Site 2 of 2 in cluster G**

Relative: SHWS:
Higher
IHEER ID: 2974
Actual: Name: FUDS FORT BARRETTE
148 ft. Address: Not reported
Address 2: Not reported
City,State,Zip: HI
Zip 2: Not reported
Lead Agency: HEER Office
HID Number: Not reported
Island: Oahu
Environmental Interest: Not reported
Project Manager: Sven Lindstrom
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: 08/12/2021
Status name: UNREVIEWED

FUDS FORT BARRETTE (Continued) **S126282455**

Aliases: FUDS No. H09HI0278
Tax Map Keys: None found;
Latitude: 21.33608
Longitude: -158.074595

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30 **KAPOLEI FUEL SPILL** **SHWS** **S126282817**
North **KAMOKILA BLVD** **N/A**
1/2-1 **EWA BEACH, HI 96707**
0.582 mi.
3073 ft.

Relative: **Higher**
Actual: **82 ft.**

SHWS:
IHEER ID: 2476
Name: KAPOLEI FUEL SPILL
Address: KAMOKILA BLVD
Address 2: Not reported
City,State,Zip: EWA BEACH, HI 96707
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: Kamokila Blvd
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: NFA
Aliases: Kapolei Pipeline Fuel Spill
Tax Map Keys: 191106016;
Latitude: 21.336763
Longitude: -158.080378

SHWS:
IHEER ID: 2476
Document Type: No Further Action Determination Letter
Document Title: Response To Report Of Cleanup Activities, Jet Fuel Pipeline Rupture, Kapolei Pkwy
Document Date: Aug 2, 1993
Document Number: 39083

IHEER ID: 2476
Document Type: Undetermined

KAPOLEI FUEL SPILL (Continued) **S126282817**

Document Title:	Report Of Cleanup Activities, Jet Fuel Pipeline Rupture Kapolei Pkwy, Oahu
Document Date:	Feb 1, 1993
Document Number:	39081
IHEER ID:	2476
Document Type:	Undetermined
Document Title:	Jet Fuel Leak, Kapolei
Document Date:	Jan 15, 1993
Document Number:	39082

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31 ESE 1/2-1 0.593 mi. 3132 ft. **BARBERS POINT NAS CORAL PIT 1** **SHWS** **S131662765 N/A**

BARBERS POINT NAS, HI

Relative: Lower
Actual: 50 ft.

SHWS:

IHEER ID:	2660
Name:	BARBERS POINT NAS CORAL PIT 1
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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:	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:	02/05/2021
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.323054
Longitude:	-158.069709

32 SSW 1/2-1 0.635 mi. 3353 ft. | **KALAELOA SOLAR ONE AND TWO**
MUNDA ST
KAPOLEI, HI 96707

SHWS | **S126282771**
N/A

Relative: Lower
Actual: 43 ft.

SHWS:

IHEER ID:	547
Name:	KALAELOA SOLAR ONE AND TWO
Address:	MUNDA ST
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI 96707
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:	Munda St, Kapolei, HI 96707
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:	Consultation
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:	12/13/2021
Status name:	UNREVIEWED
Aliases:	Not reported
Tax Map Keys:	191013028; 191013117; 191013118; 191013119;
Latitude:	21.317852
Longitude:	-158.084496

SHWS:

IHEER ID:	547
Document Type:	Review Letter
Document Title:	Draft Environmental Assessment/Anticipated Finding Of No Significant Impact (Fonsi), Kalaeloa Solar One And Two Facility, Kalaeloa, Tmk 1-9-1-013-028 Response To Comment
Document Date:	Oct 6, 2011
Document Number:	135530

IHEER ID:	547
Document Type:	Undetermined
Document Title:	Final Environmental Assessment, Kalaeloa Solar One And Two Facility, Sep 2011
Document Date:	Oct 6, 2011
Document Number:	135529

IHEER ID:	547

KALAELOA SOLAR ONE AND TWO (Continued) **S126282771**

Document Type: Environmental Assessment
Document Title: Final Environmental Assessment, Kalaeloa Solar One And Two Facility, Sep 2011
Document Date: Oct 6, 2011
Document Number: 135528

IHEER ID: 547
Document Type: Undetermined
Document Title: Draft Environmental Assessment/Anticipated Finding Of No Significant Impact (Fonsi), Kalaeloa Solar One And Two Facility, Kalaeloa, Tmk 1-9-1-013-028 Response To Comment
Document Date: Sep 26, 2011
Document Number: 135525

IHEER ID: 547
Document Type: Undetermined
Document Title: Draft Environmental Assessment/Anticipated Finding Of No Significant Impact (Fonsi), Kalaeloa Solar One And Two Facility, Kalaeloa, Tmk 1-9-1-013-028 Response To Comment
Document Date: Sep 26, 2011
Document Number: 135524

IHEER ID: 547
Document Type: Undetermined
Document Title: Draft Environmental Assessment/Anticipated Finding Of No Significant Impact (Fonsi), Kalaeloa Solar One And Two Facility, Kalaeloa, Tmk 1-9-1-013-028 Response To Comment
Document Date: Sep 26, 2011
Document Number: 135527

IHEER ID: 547
Document Type: Undetermined
Document Title: Kalaeloa Solar One And Two, Draft Ea
Document Date: Jan 6, 2011
Document Number: 135526

IHEER ID: 547
Document Type: Undetermined
Document Title: Draft Environmental Assessment, Kalaeloa Solar One And Two, Ewa, Oahu, Tmk 1-9-1-013-028 (Por)
Document Date: Jan 1, 2011
Document Number: 8872

IHEER ID: 547
Document Type: Undetermined
Document Title: Draft Environmental Assessment, Kalaeloa Solar One And Two, Ewa, Oahu, Tmk 1-9-1-013-028 (Por)
Document Date: Jan 1, 2011
Document Number: 8871

IHEER ID: 547
Document Type: Undetermined
Document Title: Pre-Assessment Consultation And Notice Of Preparation Of An Environmental Assessment, Kalaeloa Solar One Facility
Document Date: Jul 26, 2010
Document Number: 135531

33
SSE
1/2-1
0.688 mi.
3633 ft.

BARBERS POINT NAS BUILDING 786 UST BP95
BARBERS POINT NAS, HI

SHWS **S131662967**
N/A

Relative:
Lower

Actual:
39 ft.

SHWS:

IHEER ID:	637
Name:	BARBERS POINT NAS BUILDING 786 UST BP95
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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:	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:	04/16/2021
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.317443
Longitude:	-158.077938

34
ESE
1/2-1
0.745 mi.
3933 ft.

HAWAII ARMY NATIONAL GUARD KALAELOA INDUSTRIAL INJ
BARBERS POINT NAVAL AIR STATION
KAPOLEI OAHU, HI

SHWS **S109953130**
PFAS **N/A**
UIC

Relative:
Lower

Actual:
49 ft.

SHWS:

IHEER ID:	3108
Name:	HAWAII ARMY NATIONAL GUARD (HIARNG) ADMIN
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported

HAWAII ARMY NATIONAL GUARD KALAELOA INDUSTRIAL INJ WELLS (Continued) **S109953130**

Project Manager:	Sven Lindstrom
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	No Location Information-Administrative
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:	Admin
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:	06/17/2022
Status name:	UNREVIEWED
Aliases:	Potential PFAS
Tax Map Keys:	None found;
Latitude:	Not reported
Longitude:	Not reported

SHWS:

IHEER ID:	3108
Document Type:	Cost Bill
Document Title:	Journal Voucher Final Payment For August 2023 Pfas Oversight
Document Date:	Oct 20, 2023
Document Number:	204733
IHEER ID:	3108
Document Type:	Cost Bill
Document Title:	2023 August Final Invoice Arng Pfas
Document Date:	Sep 27, 2023
Document Number:	204097
IHEER ID:	3108
Document Type:	Cost Bill
Document Title:	Journal Voucher Receipt For May 2023 Invoice
Document Date:	May 19, 2023
Document Number:	204620
IHEER ID:	3108
Document Type:	Cost Bill
Document Title:	Pfas Moa Invoice Through April 2023
Document Date:	May 9, 2023
Document Number:	201512
IHEER ID:	3108
Document Type:	Cost Bill
Document Title:	Final Invoice For November 2022
Document Date:	Nov 23, 2022
Document Number:	198330
IHEER ID:	3108

HAWAII ARMY NATIONAL GUARD KALAELOA INDUSTRIAL INJ WELLS (Continued) **S109953130**

Document Type: Cost Bill
Document Title: Journal Voucher Receipt For October 2022 Invoice
Document Date: Nov 21, 2022
Document Number: 200090

IHEER ID: 3108
Document Type: Cost Bill
Document Title: October 24, 2022 Hiarng Invoice
Document Date: Oct 24, 2022
Document Number: 197636

IHEER ID: 3108
Document Type: Agreement
Document Title: Pfas Moa Extension July 2023thru
Document Date: Sep 7, 2022
Document Number: 196978

IHEER ID: 3108
Document Type: Agreement
Document Title: Pfas Moa Extension Legal Review
Document Date: Sep 6, 2022
Document Number: 196979

IHEER ID: 3108
Document Type: Cost Bill
Document Title: Journal Voucher For Payment Of August Invoice
Document Date: Aug 16, 2022
Document Number: 196975

IHEER ID: 3108
Document Type: Cost Bill
Document Title: August 5, 2022 Invoice For Arng Sites
Document Date: Aug 5, 2022
Document Number: 196539

IHEER ID: 3108
Document Type: Undetermined
Document Title: Memorandum Of Agreement Extension To November 30, 2022
Document Date: Jul 14, 2022
Document Number: 196540

IHEER ID: 3108
Document Type: Cost Bill
Document Title: Journal Voucher For April 2022 Payment Of Pfas Invoice
Document Date: Apr 27, 2022
Document Number: 184230

IHEER ID: 3108
Document Type: Cost Bill
Document Title: April 7 2021 Hiarng Moa Invoice
Document Date: Apr 7, 2022
Document Number: 183958

IHEER ID: 3108
Document Type: Cost Bill
Document Title: Pfas Moa Invoice Through March 2022
Document Date: Apr 7, 2022

HAWAII ARMY NATIONAL GUARD KALAELOA INDUSTRIAL INJ WELLS (Continued) **S109953130**

Document Number:	183963
IHEER ID:	3108
Document Type:	Cost Bill
Document Title:	Jv Payment For March 2021 Hiarng Invoice
Document Date:	Jun 22, 2021
Document Number:	180127
IHEER ID:	3108
Document Type:	Cost Bill
Document Title:	180016 SI Hiarng Revised Invoice_Rev1_061521
Document Date:	Jun 15, 2021
Document Number:	180044
IHEER ID:	3108
Document Type:	Agreement
Document Title:	Hi-Env-21-001 Memorandum Of Agreement (Moa) Between The Hawaii Army National Guard (Hiarng), Environmental Office (Hiarng Env) And The State Of Hawaii, Department Of Health, Hazard Evaluation And Emergency Response Office (Doh Heer)
Document Date:	Dec 16, 2020
Document Number:	178909

PFAS:

Site ID:	3108
Name:	HAWAII ARMY NATIONAL GUARD (HIARNG) ADMIN
Address:	NO LOCATION INFORMATION-ADMINISTRATIVE
City,State,Zip:	HI
Island:	Oahu
Program:	Admin
Assigned RPM:	Unassigned
Priority:	Unranked
Status:	Unreviewed

UIC:

Name:	HAWAII ARMY NATIONAL GUARD KALAELOA INDUSTRIAL INJ WELLS
Address:	BARBERS POINT NAVAL AIR STATION
City,State,Zip:	KAPOLEI OAHU, HI
UIC Permit Number:	UO-1996
Facility Id/Lat Long Minute Coordinates:	3-1904.02.1-2
Central Latitude Of The Site:	21 19 17
Central Longitude Of The Site:	158 04 05
Flow In Gallons Per Day:	28,400
Total Number Of Inj. Well(S) On Permit:	3
Island:	Oahu
Location In Relation To UIC Line:	below
Facility Type:	IND:LO
Subclass:	AB
Facility Operator, Not Contract Opr:	U.S. Department of the Navy
Operator Address:	Barbers Point, HI 96862-5050
Facility Owner:	U.S. Department of the Navy
Owner Address:	Naval Air Station Barbers Point, Barbers Point, HI 96862-5050
Tax Map Key Number:	1:9-1-13:001
Owner Of Land Property On Leasehold:	none
Consultant Serving The Application:	Earth Tech

HAWAII ARMY NATIONAL GUARD KALAELOA INDUSTRIAL INJ WELLS (Continued) **S109953130**

Receipt Of Initial Application:	12/24/1997
Public Notice Date:	Not reported
Approval-To-Construct Issuance Date:	6/24/1998
Exemption Issuance Date:	Not reported
1st Issuance Of Permit:	6/30/1998
Last Issuance Of Permit:	6/30/2002
Type:	Not reported
Permit Expiration Date:	6/29/2007
Date When File Is Closed:	Not reported
UIC Project Geologist:	NU
Remarks:	Not reported

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35 **BARBERS POINT NAVAL AIR STA** **SEMS-ARCHIVE** **1014931891**
SSE **BARBERS POINT** **ROD** **HI1170024326**
1/2-1 **BARBERS POINT, HI 96862**
0.764 mi.
4034 ft.

Relative:
Lower

Actual:
43 ft.

SEMS Archive:

Site ID:	0902907
EPA ID:	HI1170024326
Name:	BARBERS POINT NAVAL AIR STA
Address:	BARBERS POINT
Address 2:	Not reported
City,State,Zip:	BARBERS POINT, HI 96862
Cong District:	01
FIPS Code:	15003
FF:	Y
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	ES
Action Name:	ESI
SEQ:	1
Start Date:	Not reported
Finish Date:	1992-10-09 04:00:00
Qual:	N
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	LV
Action Name:	FF RV
SEQ:	1
Start Date:	1998-10-10 04:00:00

BARBERS POINT NAVAL AIR STA (Continued) **1014931891**

Finish Date:	1998-12-31 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	LV
Action Name:	FF RV
SEQ:	2
Start Date:	1999-02-15 05:00:00
Finish Date:	1999-03-31 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	LV
Action Name:	FF RV
SEQ:	3
Start Date:	2001-06-27 04:00:00
Finish Date:	2001-09-30 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	LV
Action Name:	FF RV
SEQ:	4
Start Date:	2002-10-01 04:00:00
Finish Date:	2004-03-28 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	PA

BARBERS POINT NAVAL AIR STA (Continued) **1014931891**

Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1980-01-01 05:00:00
Qual:	L
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-01-01 05:00:00
Finish Date:	1980-01-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-12-13 05:00:00
Qual:	H
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1992-10-09 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N

BARBERS POINT NAVAL AIR STA (Continued) **1014931891**

FF:	Y
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	2
Start Date:	Not reported
Finish Date:	2013-11-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	01
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	1
Start Date:	1997-05-09 04:00:00
Finish Date:	1998-12-31 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902907
EPA ID:	HI1170024326
Site Name:	BARBERS POINT NAVAL AIR STA
NPL:	N
FF:	Y
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	Not reported
Finish Date:	1999-08-31 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

ROD:

Name:	BARBERS POINT NAVAL AIR STA
Address:	Barbers Point
City,State,Zip:	BARBERS POINT, HI 96862
EPA ID:	HI1170024326
RG:	9
Site ID:	902907
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	OU 01 (OU Specific)
SEQ ID:	1
Action Completion:	1999-08-31 00:00:00
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

36
WNW
1/2-1
0.799 mi.
4219 ft.

PALAILAI MILITARY RES — **FUDS** — **1024902082** / **N/A**

PUU PALAILAI, HI

Relative:
Higher

Actual:
86 ft.

FUDS:

EPA Region:	09
Installation ID:	HI99799F400800
Congressional District Number:	2
Name:	PALAILAI MILITARY RES
FUDS Number:	H09HI0278
City:	PUU PALAILAI
State:	HI
County:	HONOLULU
Object ID:	6661
USACE Division:	pod
USACE District:	poh
Status:	Properties without projects
Current Owner:	Priv: Private Estate Of James Campbell
EMS Map Link:	
Eligibility:	Eligible
Has Projects:	no
NPL Status:	Not on the NPL
Project Required:	no
Feature Description:	The Site Was Used To Expand The Fire Control Station Of Long Range Guns Protecting Honolulu And Pearl Harbor. Improvements Consists Of An Observation Post, Hollow Tile Generator Vault, And Paved A Ccess Road. The Property Was Then Conveyed To The Estate Of James Campbell.
Latitude:	21.33555556
Longitude:	-158.09305556

H37
ESE
1/2-1
0.835 mi.
4408 ft.

BARBERS POINT NAS CORAL PIT 2 — **SHWS** — **S131662766** / **N/A**

BARBERS POINT NAS, HI

Site 1 of 2 in cluster H

Relative:
Lower

Actual:
14 ft.

SHWS:

IHEER ID:	2661
Name:	BARBERS POINT NAS CORAL PIT 2
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

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:	01/25/2021
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.323059
Longitude:	-158.065538

SHWS:

IHEER ID:	2661
Document Type:	Comment Letter
Document Title:	Review Of Draft Redacted 5 Year Review Report
Document Date:	Nov 28, 2023
Document Number:	205349
IHEER ID:	2661
Document Type:	Five-Year Review
Document Title:	Draft Redacted 5 Year Review
Document Date:	Sep 29, 2023
Document Number:	205227
IHEER ID:	2661
Document Type:	Five-Year Review
Document Title:	Epermit Submission Draft Redacted 5 Year Review
Document Date:	Sep 29, 2023
Document Number:	205226
IHEER ID:	2661
Document Type:	Five-Year Review
Document Title:	Transmittal Draft Redacted 5 Year Review
Document Date:	Sep 29, 2023
Document Number:	205225
IHEER ID:	2661
Document Type:	Comment Letter
Document Title:	Review Of Limited Si, Ecp, And Si Sap
Document Date:	Jun 8, 2023
Document Number:	201848
IHEER ID:	2661
Document Type:	Comment Letter
Document Title:	Draft Fyr Rejection Letter
Document Date:	May 31, 2023
Document Number:	201827
IHEER ID:	2661
Document Type:	Site Inspection Report
Document Title:	2001 Site Investigation Report Former Naval Air Station, Barbers Point
Document Date:	May 25, 2023
Document Number:	201810

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

IHEER ID: 2661
Document Type: Undetermined
Document Title: Dusttrack Dust Monitor Sop
Document Date: May 25, 2023
Document Number: 201806

IHEER ID: 2661
Document Type: Undetermined
Document Title: July 2022 Pre-Final Environmental Condition Of Property
Document Date: May 25, 2023
Document Number: 201809

IHEER ID: 2661
Document Type: Undetermined
Document Title: July 2022 Pre-Final Environmental Condition Of Property Appendices
Document Date: May 25, 2023
Document Number: 201808

IHEER ID: 2661
Document Type: Site Inspection Report
Document Title: Kalaeloa Coral Pit Investigation - Parcel 13a And 13b Updated Tower Site And Atv Trail Investigation Results
Document Date: May 25, 2023
Document Number: 201807

IHEER ID: 2661
Document Type: Undetermined
Document Title: Cover Letter - Draft Five-Year Review Of Non-National Priorities List Sites Joint Base Pearl Harbor-Hickam Oahu Hi
Document Date: May 11, 2023
Document Number: 201578

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft Five-Year Review Of Non-National Priorities List Sites Joint Base Pearl Harbor-Hickam Oahu Hi
Document Date: Apr 28, 2023
Document Number: 201579

IHEER ID: 2661
Document Type: Site Characterization Work Plan
Document Title: Limited Site Investigation Sampling And Analysis Plan
Document Date: Mar 30, 2023
Document Number: 201646

IHEER ID: 2661
Document Type: Undetermined
Document Title: Cover Letter For Final Removal Verification Report Time Critical Removal Action, Coral Pits 1 And 2
Document Date: Dec 27, 2022
Document Number: 200070

IHEER ID: 2661
Document Type: Undetermined
Document Title: Cover Letter For Final Technical Memorandum Asbestos-Containing Material Removal, Coral Pits 1 And 2
Document Date: Nov 23, 2022

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

Document Number: 199997

IHEER ID: 2661
Document Type: Letter from PRP
Document Title: Navy Environmental Restoration Program, Land Use At Former Barbers Point Naval Air Station Coral Pit 2 Site
Document Date: Sep 30, 2022
Document Number: 201647

IHEER ID: 2661
Document Type: Undetermined
Document Title: E-Permit Submittal Form Ecision Document Coral Pit 1 And Coral Pit 2 Former Naval Air Station Barbers Point Kalaeloa, Oahu, Hawaii September 2005
Document Date: Sep 7, 2022
Document Number: 197341

IHEER ID: 2661
Document Type: Letter of Further Assessment
Document Title: Land Use At Barbers Point Nas Coral Pit 2
Document Date: Aug 31, 2022
Document Number: 196761

IHEER ID: 2661
Document Type: Memo
Document Title: Final Technical Memorandum Asbestos-Containing Material Removal, Coral Pits 1 And 2
Document Date: Aug 31, 2021
Document Number: 199999

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Technical Memorandum (Tm), Asbestos-Containing Material (Acm) Removal, Coral Pits 1 And 2
Document Date: Jul 30, 2021
Document Number: 180555

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Tech Memo Acm Removal Report
Document Date: Jul 20, 2021
Document Number: 181346

IHEER ID: 2661
Document Type: Memo
Document Title: Navy Cover Letter
Document Date: Jul 20, 2021
Document Number: 181347

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Final Removal Verification Report Time Critical Removal Action, Coral Pits 1 And 2
Document Date: May 31, 2021
Document Number: 200072

IHEER ID: 2661

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

Document Type: Review Letter
Document Title: Tcra Rvr, Coral Pit 2
Document Date: Apr 28, 2021
Document Number: 179608

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Rvr/Tcra Report
Document Date: Mar 17, 2021
Document Number: 180160

IHEER ID: 2661
Document Type: Review Letter
Document Title: Draft Time-Critical Removal Action Work Plan Coral Pits 1 And 2 (Site 6 And Site 7)
Document Date: Oct 14, 2020
Document Number: 177022

IHEER ID: 2661
Document Type: Undetermined
Document Title: Report Submittal For Heer Office
Document Date: Aug 31, 2020
Document Number: 176799

IHEER ID: 2661
Document Type: Removal Action Work Plan
Document Title: (Draft Letter) Time Critical Removal Action Work Plan Former Naval Air Station Barbers Point Coral Pits 1 And 2
Document Date: Aug 28, 2020
Document Number: 176800

IHEER ID: 2661
Document Type: Removal Action Work Plan
Document Title: (Draft) Time Critical Removal Action Work Plan Former Naval Air Station Barbers Point Coral Pits 1 And 2
Document Date: Jul 1, 2020
Document Number: 176801

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Final Action Memorandum For Time-Critical Removal Action Coral Pits 1 And 2 (Site 6 And Site 7) Former Naval Air Station Barbers Point Joint Base Pearl Harbor-Hickam Kalaeloa Oahu Hawaii
Document Date: Nov 30, 2019
Document Number: 173531

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Action Memo Tcra
Document Date: Aug 12, 2019
Document Number: 179084

IHEER ID: 2661
Document Type: Undetermined
Document Title: Navy Letter
Document Date: Aug 12, 2019
Document Number: 179082

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

IHEER ID: 2661
Document Type: Undetermined
Document Title: Final Asbestos Survey Report Coral Pits 1 And 2
Document Date: Jun 24, 2019
Document Number: 170786

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Final Asbestos Survey Report Coral Pits 1 And 2
Document Date: Jun 1, 2019
Document Number: 170787

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Final 5-Year Cercla Review For Navy Non-Npl Sites, Jbphh, Oahu, Hawaii
Document Date: Apr 22, 2019
Document Number: 124572

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Asbestos Survey Report Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Oahu, Hi
Document Date: Mar 13, 2019
Document Number: 124570

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Asbestos Survey Report For Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Hawaii
Document Date: Feb 14, 2019
Document Number: 124580

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Second 5-Year Cercla Review Navy Non-Npl Sites, Jbphh Oahu, Hawaii; Pearl Harbor Sites H0004, H0005, H0006, H0061, H0078, Uxo 000002; Barbers Point Hi Nas Sites 6, 7, 40, 41; Nmc Ead Det Pearl Harbor Sites 10, 15; Dated July 2018
Document Date: Sep 21, 2018
Document Number: 124584

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft Second 5-Year Cercla Review, Navy Non-Npl Sites, Jbphh, Pearl Harbor Hi, Sites H0004, H0005, H0006, H0061, H0078, Uxo 000002 Nas Barbers Point Sites 6, 7, 40, 41
Document Date: Jul 31, 2018
Document Number: 124568

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Asbestos Survey Work Plan For Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Hawaii
Document Date: Jun 23, 2016
Document Number: 124574

IHEER ID: 2661

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

Document Type: Removal Action Work Plan
Document Title: Draft Asbestos Survey Work Plan, Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Hawaii
Document Date: Mar 23, 2016
Document Number: 124576

IHEER ID: 2661
Document Type: Land Use Control Inspection Report
Document Title: Annual Land Use Control (Luc) Inspection Documentation, Former Nas Barbers Point Sites Coral Pit 1 And Coral Pit 2, Jbphh, Kalaeloa, Oahu Hi
Document Date: Mar 30, 2014
Document Number: 124604

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Final List Consolidated 5-Year Cercla Review Of 17 Non-Npl Environmental Restoration, Navy (Ern) Sites, Jbphh
Document Date: Sep 30, 2013
Document Number: 124567

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft First 5-Year Cercla Review Of 17 Navfac Hawaii Non-Npl Sites, Jbphh: Hickam, Kalaeloa, And Waikele, Oahu Hi
Document Date: Apr 12, 2013
Document Number: 124588

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft First 5-Year Cercla Review Of 17 Navfac Hawaii Non-Npl Sites, Jbphh: Hickam, Kalaeloa, And Waikele, Oahu Hi, Dec 2012
Document Date: Feb 1, 2013
Document Number: 124603

IHEER ID: 2661
Document Type: Land Use Control Inspection Report
Document Title: Annual Land Use Control (Luc) Inspection Documentation, Former Nas Barbers Point Sites Coral Pit 1 And Coral Pit 2, Jbphh, Kalaeloa, Oahu Hi, Jun 2012
Document Date: Jun 7, 2012
Document Number: 124585

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Annual Land Use Control (Luc) Inspection Documentation
Document Date: Jul 27, 2011
Document Number: 124593

IHEER ID: 2661
Document Type: Land Use Control Inspection Report
Document Title: Annual Land Use Control (Luc) Inspection Documentation, Former Nas Barbers Point Sites Coral Pit 1 And Coral Pit 2, Jbphh, Kalaeloa, Oahu Hi
Document Date: Jul 11, 2011
Document Number: 124601

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: 5-Year Review Report, Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Kalaeloa, Oahu Hi, Of Sep 2010
Document Date: Sep 20, 2010
Document Number: 124599

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft 5-Year Review Report, First 5-Year Review, Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Kalaeloa, Oahu Hi, Of Mar 2010
Document Date: Mar 29, 2010
Document Number: 124602

IHEER ID: 2661
Document Type: Removal Action Completion Report
Document Title: Land Use Controls Remedial Action Work Plan I Coral Pit 1 And Coral Pit 2
Document Date: Sep 30, 2005
Document Number: 204667

IHEER ID: 2661
Document Type: No Further Action Determination w/ ICs Letter
Document Title: Approval Of Decision Documents For The Morale, Welfare, And Recreation (Mwr) Warehouse Complex And Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Oahu Hi
Document Date: Sep 28, 2005
Document Number: 124589

IHEER ID: 2661
Document Type: Review Letter
Document Title: Draft Decision Document, Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Jun 2005)
Document Date: Sep 12, 2005
Document Number: 124591

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Land Use Controls Remedial Action Work Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Sep 2005)
Document Date: Sep 12, 2005
Document Number: 124596

IHEER ID: 2661
Document Type: Concurrence Letter
Document Title: Proposed Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Aug 2005)
Document Date: Sep 2, 2005
Document Number: 124595

IHEER ID: 2661
Document Type: Decision Document
Document Title: Decision Document Coral Pit 1 And Coral Pit 2 Former Naval Air Station Barbers Point Kalaeloa, Oahu, Hawaii September 2005
Document Date: Sep 1, 2005
Document Number: 197342

BARBERS POINT NAS CORAL PIT 2 (Continued) **S131662766**

IHEER ID:	2661
Document Type:	Review Letter
Document Title:	Draft Action Memorandum For Land Use Controls At Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Oahu, Hawaii (May 2005)
Document Date:	Aug 4, 2005
Document Number:	124598
IHEER ID:	2661
Document Type:	Review Letter
Document Title:	Review Of Draft Proposed Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Jun 2005)
Document Date:	Jul 25, 2005
Document Number:	124587
IHEER ID:	2661
Document Type:	Proposed Plan
Document Title:	Draft Proposed Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point
Document Date:	Jun 1, 2005
Document Number:	124594
IHEER ID:	2661
Document Type:	Response Action Memorandum
Document Title:	Action Memorandum For Land Use Controls At Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Oahu Hi
Document Date:	May 1, 2005
Document Number:	124571

38
East
1/2-1
0.842 mi.
4447 ft.

BARBERS POINT NAS CORAL PIT 2 **SHWS S128196131**
3845 ROOSEVELT AVE **N/A**
BARBERS POINT NAS, HI 96707

Relative:
Lower

Actual:
43 ft.

SHWS:

IHEER ID:	2661
Name:	BARBERS POINT NAS CORAL PIT 2
Address:	3845 ROOSEVELT AVE
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI 96707
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Beryl Ekimoto
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	Bounded by Midway Rd, Saratoga Ave, Enterprise Ave, and Franklin D Roosevelt 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

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

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:	01/25/2021
Status name:	REMEDY IN PLACE
Aliases:	Barbers Point Naval Air Station; Site 7 Coral Pit 2
Tax Map Keys:	191013093; 191013094;
Latitude:	21.323059
Longitude:	-158.065538

SHWS:

IHEER ID:	2661
Document Type:	Comment Letter
Document Title:	Review Of Draft Redacted 5 Year Review Report
Document Date:	Nov 28, 2023
Document Number:	205349

IHEER ID:	2661
Document Type:	Five-Year Review
Document Title:	Draft Redacted 5 Year Review
Document Date:	Sep 29, 2023
Document Number:	205227

IHEER ID:	2661
Document Type:	Five-Year Review
Document Title:	Epermit Submission Draft Redacted 5 Year Review
Document Date:	Sep 29, 2023
Document Number:	205226

IHEER ID:	2661
Document Type:	Five-Year Review
Document Title:	Transmittal Draft Redacted 5 Year Review
Document Date:	Sep 29, 2023
Document Number:	205225

IHEER ID:	2661
Document Type:	Comment Letter
Document Title:	Review Of Limited Si, Ecp, And Si Sap
Document Date:	Jun 8, 2023
Document Number:	201848

IHEER ID:	2661
Document Type:	Comment Letter
Document Title:	Draft Fyr Rejection Letter
Document Date:	May 31, 2023
Document Number:	201827

IHEER ID:	2661
Document Type:	Site Inspection Report
Document Title:	2001 Site Investigation Report Former Naval Air Station, Barbers Point
Document Date:	May 25, 2023
Document Number:	201810

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

IHEER ID: 2661
Document Type: Undetermined
Document Title: Dusttrack Dust Monitor Sop
Document Date: May 25, 2023
Document Number: 201806

IHEER ID: 2661
Document Type: Undetermined
Document Title: July 2022 Pre-Final Environmental Condition Of Property
Document Date: May 25, 2023
Document Number: 201809

IHEER ID: 2661
Document Type: Undetermined
Document Title: July 2022 Pre-Final Environmental Condition Of Property Appendices
Document Date: May 25, 2023
Document Number: 201808

IHEER ID: 2661
Document Type: Site Inspection Report
Document Title: Kalaeloa Coral Pit Investigation - Parcel 13a And 13b Updated Tower Site And Atv Trail Investigation Results
Document Date: May 25, 2023
Document Number: 201807

IHEER ID: 2661
Document Type: Undetermined
Document Title: Cover Letter - Draft Five-Year Review Of Non-National Priorities List Sites Joint Base Pearl Harbor-Hickam Oahu Hi
Document Date: May 11, 2023
Document Number: 201578

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft Five-Year Review Of Non-National Priorities List Sites Joint Base Pearl Harbor-Hickam Oahu Hi
Document Date: Apr 28, 2023
Document Number: 201579

IHEER ID: 2661
Document Type: Site Characterization Work Plan
Document Title: Limited Site Investigation Sampling And Analysis Plan
Document Date: Mar 30, 2023
Document Number: 201646

IHEER ID: 2661
Document Type: Undetermined
Document Title: Cover Letter For Final Removal Verification Report Time Critical Removal Action, Coral Pits 1 And 2
Document Date: Dec 27, 2022
Document Number: 200070

IHEER ID: 2661
Document Type: Undetermined
Document Title: Cover Letter For Final Technical Memorandum Asbestos-Containing Material Removal, Coral Pits 1 And 2
Document Date: Nov 23, 2022

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

Document Number: 199997

IHEER ID: 2661
Document Type: Letter from PRP
Document Title: Navy Environmental Restoration Program, Land Use At Former Barbers Point Naval Air Station Coral Pit 2 Site
Document Date: Sep 30, 2022
Document Number: 201647

IHEER ID: 2661
Document Type: Undetermined
Document Title: E-Permit Submittal Form Ecision Document Coral Pit 1 And Coral Pit 2 Former Naval Air Station Barbers Point Kalaeloa, Oahu, Hawaii September 2005
Document Date: Sep 7, 2022
Document Number: 197341

IHEER ID: 2661
Document Type: Letter of Further Assessment
Document Title: Land Use At Barbers Point Nas Coral Pit 2
Document Date: Aug 31, 2022
Document Number: 196761

IHEER ID: 2661
Document Type: Memo
Document Title: Final Technical Memorandum Asbestos-Containing Material Removal, Coral Pits 1 And 2
Document Date: Aug 31, 2021
Document Number: 199999

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Technical Memorandum (Tm), Asbestos-Containing Material (Acm) Removal, Coral Pits 1 And 2
Document Date: Jul 30, 2021
Document Number: 180555

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Tech Memo Acm Removal Report
Document Date: Jul 20, 2021
Document Number: 181346

IHEER ID: 2661
Document Type: Memo
Document Title: Navy Cover Letter
Document Date: Jul 20, 2021
Document Number: 181347

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Final Removal Verification Report Time Critical Removal Action, Coral Pits 1 And 2
Document Date: May 31, 2021
Document Number: 200072

IHEER ID: 2661

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

Document Type: Review Letter
Document Title: Tcra Rvr, Coral Pit 2
Document Date: Apr 28, 2021
Document Number: 179608

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Rvr/Tcra Report
Document Date: Mar 17, 2021
Document Number: 180160

IHEER ID: 2661
Document Type: Review Letter
Document Title: Draft Time-Critical Removal Action Work Plan Coral Pits 1 And 2 (Site 6 And Site 7)
Document Date: Oct 14, 2020
Document Number: 177022

IHEER ID: 2661
Document Type: Undetermined
Document Title: Report Submittal For Heer Office
Document Date: Aug 31, 2020
Document Number: 176799

IHEER ID: 2661
Document Type: Removal Action Work Plan
Document Title: (Draft Letter) Time Critical Removal Action Work Plan Former Naval Air Station Barbers Point Coral Pits 1 And 2
Document Date: Aug 28, 2020
Document Number: 176800

IHEER ID: 2661
Document Type: Removal Action Work Plan
Document Title: (Draft) Time Critical Removal Action Work Plan Former Naval Air Station Barbers Point Coral Pits 1 And 2
Document Date: Jul 1, 2020
Document Number: 176801

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Final Action Memorandum For Time-Critical Removal Action Coral Pits 1 And 2 (Site 6 And Site 7) Former Naval Air Station Barbers Point Joint Base Pearl Harbor-Hickam Kalaeloa Oahu Hawaii
Document Date: Nov 30, 2019
Document Number: 173531

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Action Memo Tcra
Document Date: Aug 12, 2019
Document Number: 179084

IHEER ID: 2661
Document Type: Undetermined
Document Title: Navy Letter
Document Date: Aug 12, 2019
Document Number: 179082

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

IHEER ID: 2661
Document Type: Undetermined
Document Title: Final Asbestos Survey Report Coral Pits 1 And 2
Document Date: Jun 24, 2019
Document Number: 170786

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Final Asbestos Survey Report Coral Pits 1 And 2
Document Date: Jun 1, 2019
Document Number: 170787

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Final 5-Year Cercla Review For Navy Non-Npl Sites, Jbphh, Oahu, Hawaii
Document Date: Apr 22, 2019
Document Number: 124572

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Asbestos Survey Report Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Oahu, Hi
Document Date: Mar 13, 2019
Document Number: 124570

IHEER ID: 2661
Document Type: Removal Action Report
Document Title: Draft Asbestos Survey Report For Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Hawaii
Document Date: Feb 14, 2019
Document Number: 124580

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Second 5-Year Cercla Review Navy Non-Npl Sites, Jbphh Oahu, Hawaii; Pearl Harbor Sites H0004, H0005, H0006, H0061, H0078, Uxo 000002; Barbers Point Hi Nas Sites 6, 7, 40, 41; Nmc Ead Det Pearl Harbor Sites 10, 15; Dated July 2018
Document Date: Sep 21, 2018
Document Number: 124584

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft Second 5-Year Cercla Review, Navy Non-Npl Sites, Jbphh, Pearl Harbor Hi, Sites H0004, H0005, H0006, H0061, H0078, Uxo 000002 Nas Barbers Point Sites 6, 7, 40, 41
Document Date: Jul 31, 2018
Document Number: 124568

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Asbestos Survey Work Plan For Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Hawaii
Document Date: Jun 23, 2016
Document Number: 124574

IHEER ID: 2661

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

Document Type: Removal Action Work Plan
Document Title: Draft Asbestos Survey Work Plan, Coral Pits 1 And 2, Former Nas Barbers Point, Jbphh, Kalaeloa, Hawaii
Document Date: Mar 23, 2016
Document Number: 124576

IHEER ID: 2661
Document Type: Land Use Control Inspection Report
Document Title: Annual Land Use Control (Luc) Inspection Documentation, Former Nas Barbers Point Sites Coral Pit 1 And Coral Pit 2, Jbphh, Kalaeloa, Oahu Hi
Document Date: Mar 30, 2014
Document Number: 124604

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Final List Consolidated 5-Year Cercla Review Of 17 Non-Npl Environmental Restoration, Navy (Ern) Sites, Jbphh
Document Date: Sep 30, 2013
Document Number: 124567

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft First 5-Year Cercla Review Of 17 Navfac Hawaii Non-Npl Sites, Jbphh: Hickam, Kalaeloa, And Waikele, Oahu Hi
Document Date: Apr 12, 2013
Document Number: 124588

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft First 5-Year Cercla Review Of 17 Navfac Hawaii Non-Npl Sites, Jbphh: Hickam, Kalaeloa, And Waikele, Oahu Hi, Dec 2012
Document Date: Feb 1, 2013
Document Number: 124603

IHEER ID: 2661
Document Type: Land Use Control Inspection Report
Document Title: Annual Land Use Control (Luc) Inspection Documentation, Former Nas Barbers Point Sites Coral Pit 1 And Coral Pit 2, Jbphh, Kalaeloa, Oahu Hi, Jun 2012
Document Date: Jun 7, 2012
Document Number: 124585

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Annual Land Use Control (Luc) Inspection Documentation
Document Date: Jul 27, 2011
Document Number: 124593

IHEER ID: 2661
Document Type: Land Use Control Inspection Report
Document Title: Annual Land Use Control (Luc) Inspection Documentation, Former Nas Barbers Point Sites Coral Pit 1 And Coral Pit 2, Jbphh, Kalaeloa, Oahu Hi
Document Date: Jul 11, 2011
Document Number: 124601

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: 5-Year Review Report, Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Kalaeloa, Oahu Hi, Of Sep 2010
Document Date: Sep 20, 2010
Document Number: 124599

IHEER ID: 2661
Document Type: Five-Year Review
Document Title: Draft 5-Year Review Report, First 5-Year Review, Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Kalaeloa, Oahu Hi, Of Mar 2010
Document Date: Mar 29, 2010
Document Number: 124602

IHEER ID: 2661
Document Type: Removal Action Completion Report
Document Title: Land Use Controls Remedial Action Work Plan I Coral Pit 1 And Coral Pit 2
Document Date: Sep 30, 2005
Document Number: 204667

IHEER ID: 2661
Document Type: No Further Action Determination w/ ICs Letter
Document Title: Approval Of Decision Documents For The Morale, Welfare, And Recreation (Mwr) Warehouse Complex And Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Oahu Hi
Document Date: Sep 28, 2005
Document Number: 124589

IHEER ID: 2661
Document Type: Review Letter
Document Title: Draft Decision Document, Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Jun 2005)
Document Date: Sep 12, 2005
Document Number: 124591

IHEER ID: 2661
Document Type: Review Letter
Document Title: Review Of Draft Land Use Controls Remedial Action Work Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Sep 2005)
Document Date: Sep 12, 2005
Document Number: 124596

IHEER ID: 2661
Document Type: Concurrence Letter
Document Title: Proposed Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Aug 2005)
Document Date: Sep 2, 2005
Document Number: 124595

IHEER ID: 2661
Document Type: Decision Document
Document Title: Decision Document Coral Pit 1 And Coral Pit 2 Former Naval Air Station Barbers Point Kalaeloa, Oahu, Hawaii September 2005
Document Date: Sep 1, 2005
Document Number: 197342

BARBERS POINT NAS CORAL PIT 2 (Continued) **S128196131**

IHEER ID:	2661
Document Type:	Review Letter
Document Title:	Draft Action Memorandum For Land Use Controls At Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Oahu, Hawaii (May 2005)
Document Date:	Aug 4, 2005
Document Number:	124598
IHEER ID:	2661
Document Type:	Review Letter
Document Title:	Review Of Draft Proposed Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point (Jun 2005)
Document Date:	Jul 25, 2005
Document Number:	124587
IHEER ID:	2661
Document Type:	Proposed Plan
Document Title:	Draft Proposed Plan Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point
Document Date:	Jun 1, 2005
Document Number:	124594
IHEER ID:	2661
Document Type:	Response Action Memorandum
Document Title:	Action Memorandum For Land Use Controls At Coral Pit 1 And Coral Pit 2, Former Nas Barbers Point, Oahu Hi
Document Date:	May 1, 2005
Document Number:	124571

39
SW
1/2-1
0.857 mi.
4526 ft.

Relative:
Lower

Actual:
28 ft.

BARBERS POINT NAS RUNWAY 11 CLEAR ZONE **SHWS** **S115488682**
N/A

BARBERS POINT NAS, HI

SHWS:

IHEER ID:	653
Name:	BARBERS POINT NAS RUNWAY 11 CLEAR ZONE
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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:	Not reported
Description of Restrictions:	Not reported

BARBERS POINT NAS RUNWAY 11 CLEAR ZONE (Continued) **S115488682**

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:	07/14/2020
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.31593
Longitude:	-158.089662

I40 **BARBERS POINT NAS TRANSFORMER SUBSTATIONS** **SHWS** **S115488687**
South **N/A**
1/2-1 **BARBERS POINT NAS, HI**
0.859 mi.
4537 ft. **Site 1 of 2 in cluster I**

Relative: SHWS:
Lower

IHEER ID:	236
Name:	BARBERS POINT NAS TRANSFORMER SUBSTATIONS
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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:	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:	11/18/2020
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.314911
Longitude:	-158.078426

Actual:
39 ft.

H41 **BARBERS POINT NAS 26 NON-BRAC PROPERTY PARCELS (PA** **SHWS** **S126282280**
ESE **N/A**
1/2-1 **BARBERS POINT NAS, HI 96707**
0.860 mi.
4540 ft. **Site 2 of 2 in cluster H**

Relative: **Lower**
Actual: **30 ft.**

SHWS:

IHEER ID:	231
Name:	BARBERS POINT NAS 26 NON-BRAC PROPERTY PARCELS (PART 1: 18 OF 26)
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI 96707
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:	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:	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:	07/14/2020
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.322933
Longitude:	-158.065175

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42 **HECO CAMPBELL INDUSTRIAL PARK SUBSTATION** **SHWS** **S126282602**
West **91-550 KALAELOA BLVD** **N/A**
1/2-1 **KAPOLEI, HI 96707**
0.863 mi.
4556 ft.

Relative: **Higher**
Actual: **69 ft.**

SHWS:

IHEER ID:	2377
Name:	HECO CAMPBELL INDUSTRIAL PARK SUBSTATION
Address:	91-550 KALAELOA BLVD
Address 2:	Not reported
City,State,Zip:	KAPOLEI, HI 96707
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported

HECO CAMPBELL INDUSTRIAL PARK SUBSTATION (Continued) **S126282602**

Project Manager:	Not reported
Hazard Priority:	Unranked
Facility Registry Identifier:	Not reported
Location Description:	91-550 Kalaeloa Blvd, Kapolei, HI 96707
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:	08/13/2021
Status name:	ISST NFA NO LETTER
Aliases:	Brownfields Closed Incomplete Characterization; Campbell Industrial Park; HECO - Campbell Industrial Park Substation
Tax Map Keys:	191015016;
Latitude:	21.327609
Longitude:	-158.096843

SHWS:

IHEER ID:	2377
Document Type:	Monitoring Report
Document Title:	Hawaiian Electric Company Campbell Estate Industrial Park Substation 91- 550 Kalaeloa Blvd, Kapolei, Hi96707 Doh Release Id #20070625-0700
Document Date:	Jun 27, 2017
Document Number:	140373
IHEER ID:	2377
Document Type:	Concurrence Letter
Document Title:	Review Of Hawaiian Electric Company Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Boulevard, Kapolei, Hi 96707, Doh Release 10#20070625-0700 By Hawaiian Electric
Document Date:	Jun 24, 2015
Document Number:	140375
IHEER ID:	2377
Document Type:	Monitoring Report
Document Title:	Hawaiian Electric Company, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi 96707, Doh Release Id 20070625-0700
Document Date:	Jun 4, 2015
Document Number:	140374
IHEER ID:	2377
Document Type:	Monitoring Report
Document Title:	Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi Doh Release Id 20070625-0700
Document Date:	Jun 4, 2013
Document Number:	140377

HECO CAMPBELL INDUSTRIAL PARK SUBSTATION (Continued) **S126282602**

IHEER ID: 2377
Document Type: Hazardous Substance Written Follow-Up Notification
Document Title: State Contingency Plan Release Notification, Hawaiian Electric Company Inc, Kinau St, Honolulu
Document Date: Oct 2, 2012
Document Number: 140376

IHEER ID: 2377
Document Type: Concurrence Letter
Document Title: Concurrence With Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi, Doh Release Id 20070625-0700, Jul 7, 2011
Document Date: Jul 10, 2012
Document Number: 4997

IHEER ID: 2377
Document Type: Undetermined
Document Title: Email Correspondence Regarding Heco Ceip Substation Hdpe Liner Inspections
Document Date: Jul 10, 2012
Document Number: 140380

IHEER ID: 2377
Document Type: Monitoring Report
Document Title: Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi, Doh Release Id 20070625-0700
Document Date: Jul 7, 2011
Document Number: 12178

IHEER ID: 2377
Document Type: Undetermined
Document Title: Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi, Hawaiian Electric Company Inc, Doh Release Id 20070625-0700
Document Date: Nov 23, 2010
Document Number: 5436

IHEER ID: 2377
Document Type: Site Characterization Report
Document Title: Confirmation Soil Sampling Report, Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi 96707, Hawaiian Electric Company Inc, Doh Release Id 20070625-0700
Document Date: Nov 23, 2010
Document Number: 140379

IHEER ID: 2377
Document Type: Monitoring Report
Document Title: Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi, Doh Release Id 20070625-0700
Document Date: Jun 29, 2009
Document Number: 4974

IHEER ID: 2377
Document Type: Monitoring Report

HECO CAMPBELL INDUSTRIAL PARK SUBSTATION (Continued) **S126282602**

Document Title:	Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi. Doh Release Id 20070625-0700
Document Date:	Jun 23, 2008
Document Number:	15263
IHEER ID:	2377
Document Type:	Hazardous Substance Written Follow-Up Notification
Document Title:	Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation, 91-550 Kalaeloa Blvd, Kapolei Hi, Doh Release Id 20070625-0700
Document Date:	Feb 13, 2008
Document Number:	7630
IHEER ID:	2377
Document Type:	Hazardous Substance Written Follow-Up Notification
Document Title:	State Contingency Plan Release Notification, Hawaiian Electric Company Inc, Campbell Estate Industrial Park Substation
Document Date:	Aug 21, 2007
Document Number:	5190
IHEER ID:	2377
Document Type:	Hazardous Substance Written Follow-Up Notification
Document Title:	Hawaiian Electric Company, Inc Campbell Estate Industrial Park Substation Diesel Release, State Contingency Plan Release Id 20070625-0700
Document Date:	Jul 23, 2007
Document Number:	140378

I43 **BARBERS POINT NAS DRY WELL NETWORK** **SHWS** **S115488674**
South **N/A**
1/2-1 **BARBERS POINT NAS, HI**
0.881 mi.
4650 ft. **Site 2 of 2 in cluster I**

Relative: SHWS:
Lower

Actual: IHEER ID:	1737
39 ft. Name:	BARBERS POINT NAS DRY WELL NETWORK
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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:	Not reported

BARBERS POINT NAS DRY WELL NETWORK (Continued) **S115488674**

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:	07/10/2020
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.314541
Longitude:	-158.079222

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44 **BARBERS POINT NAS AUTO HOBBY SHOP** **SHWS** **S131662722**
ESE **N/A**
1/2-1 **BARBERS POINT NAS, HI**
0.934 mi.
4929 ft.

Relative: SHWS:
Lower

Actual:
43 ft.

IHEER ID:	232
Name:	BARBERS POINT NAS AUTO HOBBY SHOP
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI
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:	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:	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:	08/16/2022
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.3208
Longitude:	-158.065

45 SE 1/2-1 0.977 mi. 5160 ft. | **BARBERS POINT NAS UST NABP-89**
91-1110 ENTERPRISE AVE
BARBERS POINT NAS, HI 96707 | **SHWS**
ENG CONTROLS
INST CONTROL | **S111704673**
N/A

Relative: Lower
Actual: 37 ft.

SHWS:

IHEER ID:	655
Name:	BARBERS POINT NAS UST NABP-89
Address:	91-1110 ENTERPRISE AVE
Address 2:	Not reported
City,State,Zip:	BARBERS POINT NAS, HI 96707
Zip 2:	Not reported
Lead Agency:	Not reported
HID Number:	Not reported
Island:	Not reported
Environmental Interest:	Barbers Point NAS UST NABP-89
Project Manager:	Not reported
Hazard Priority:	Not reported
Facility Registry Identifier:	Not reported
Location Description:	Outside of Building 19
Supplemental Location:	Outside of Building 19
Potential Hazards And Controls:	Hazard Managed With Controls
Assessment:	Response Necessary
Nature of Contamination:	Found: TPH
Nature of Residual Contamination:	Not reported
Use Restrictions:	Controls Required to Manage Contamination
Program:	Not reported
Description of Restrictions:	Not reported
Action Completion Date:	03/19/2010
Within Designated Areawide Contamination	Not reported
Response:	Response Complete
Contact Information:	(808) 586-4249 2385 Waimano Home Rd, Pearl City, HI 96782
Engineering Control:	Engineering Control Required
Institutional Control:	Government - Hawaii Dept. of Health Letter Issued
Is Public:	No
Update On:	07/10/2020
Status name:	Not reported
Aliases:	Not reported
Tax Map Keys:	Not reported
Latitude:	21.3158
Longitude:	-158.069

ENG CONTROLS:

Supplemental Location Text:	Outside of Building 19
Zip Suffix:	Not reported
Island:	Oahu
Potential Hazards And Controls:	Hazard Managed With Controls
Engineering Control:	Engineering Control Required

INST CONTROL:

Potential hazards and controls:	Hazard Managed With Controls
Supplemental Location:	Outside of Building 19
Zip Suffix:	Not reported
Island:	Oahu
Institutional Control:	Government - Hawaii Dept. of Health Letter Issued

46
NW
1/2-1
0.988 mi.
5217 ft.

FUDS PALAILAI MILITARY RESERVATION

HONOLULU (County), HI

SHWS **S126282490**
N/A

Relative:
Higher

Actual:
488 ft.

SHWS:

IHEER ID:	2973
Name:	FUDS PALAILAI MILITARY RESERVATION
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	HI
Zip 2:	Not reported
Lead Agency:	HEER Office
HID Number:	Not reported
Island:	Oahu
Environmental Interest:	Not reported
Project Manager:	Sven Lindstrom
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:	03/17/2020
Status name:	UNREVIEWED
Aliases:	FUDS No. H09HI0278
Tax Map Keys:	192043011;
Latitude:	21.340717
Longitude:	-158.090664

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KAPOLEI	1001112113	DLA DISPOSITION SERVICES	BLDG. 140 MIDWAY STREET (KALAE	96707	SEMS-ARCHIVE

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: 09/29/2025
Date Data Arrived at EDR: 10/01/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 01/05/2026
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: 09/29/2025
Date Data Arrived at EDR: 10/01/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 01/05/2026
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: 09/29/2025
Date Data Arrived at EDR: 10/01/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 01/05/2026
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: 05/05/2025
Date Data Arrived at EDR: 06/20/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/23/2025
Next Scheduled EDR Contact: 01/05/2026
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: 09/29/2025
Date Data Arrived at EDR: 10/01/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 01/19/2026
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: 09/29/2025
Date Data Arrived at EDR: 10/01/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 01/19/2026
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: 06/02/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 13

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 03/11/2025
Date Data Arrived at EDR: 04/02/2025
Date Made Active in Reports: 06/24/2025
Number of Days to Update: 83

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 10/28/2025
Next Scheduled EDR Contact: 02/16/2026
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: 10/30/2025
Date Data Arrived at EDR: 11/11/2025
Date Made Active in Reports: 11/12/2025
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/11/2025
Next Scheduled EDR Contact: 03/02/2026
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: 10/30/2025
Date Data Arrived at EDR: 11/11/2025
Date Made Active in Reports: 11/12/2025
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/11/2025
Next Scheduled EDR Contact: 03/02/2026
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: 06/10/2025
Date Data Arrived at EDR: 06/12/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 4

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 09/02/2025
Next Scheduled EDR Contact: 12/15/2025
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: 06/11/2025
Date Data Arrived at EDR: 06/17/2025
Date Made Active in Reports: 06/23/2025
Number of Days to Update: 6

Source: Department of Health
Telephone: 808-586-4245
Last EDR Contact: 09/23/2025
Next Scheduled EDR Contact: 12/29/2025
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: 04/29/2025
Date Data Arrived at EDR: 05/16/2025
Date Made Active in Reports: 08/01/2025
Number of Days to Update: 77

Source: Department of Health
Telephone: 808-586-4228
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/01/2025
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 05/22/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 05/27/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 05/22/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/06/2025
Date Data Arrived at EDR: 08/26/2025
Date Made Active in Reports: 11/12/2025
Number of Days to Update: 78

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 11/06/2025
Next Scheduled EDR Contact: 01/12/2026
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: 04/29/2025
Date Data Arrived at EDR: 05/16/2025
Date Made Active in Reports: 08/01/2025
Number of Days to Update: 77

Source: Department of Health
Telephone: 808-586-4228
Last EDR Contact: 09/16/2025
Next Scheduled EDR Contact: 12/01/2025
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 05/27/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 05/22/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 05/22/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 04/21/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 01/26/2026
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: 09/02/2025
Next Scheduled EDR Contact: 12/15/2025
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: 09/02/2025
Next Scheduled EDR Contact: 12/15/2025
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: 09/09/2025
Next Scheduled EDR Contact: 12/29/2025
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: 09/02/2025
Next Scheduled EDR Contact: 12/15/2025
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: 09/02/2025
Next Scheduled EDR Contact: 12/15/2025
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: 10/01/2025
Next Scheduled EDR Contact: 12/22/2025
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: 06/11/2025
Date Data Arrived at EDR: 06/17/2025
Date Made Active in Reports: 06/23/2025
Number of Days to Update: 6

Source: Department of Health
Telephone: 808-586-4226
Last EDR Contact: 09/23/2025
Next Scheduled EDR Contact: 12/29/2025
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: 10/15/2025
Next Scheduled EDR Contact: 02/02/2026
Data Release Frequency: Varies

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: 10/07/2025
Next Scheduled EDR Contact: 01/26/2026
Data Release Frequency: No Update Planned

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

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: 10/23/2025
Next Scheduled EDR Contact: 02/02/2026
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: 04/04/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
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: 08/26/2025
Next Scheduled EDR Contact: 12/15/2025
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: 04/04/2025
Date Data Arrived at EDR: 06/02/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
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: 09/29/2025
Date Data Arrived at EDR: 10/01/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 01/05/2026
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: 06/11/2025
Date Data Arrived at EDR: 06/12/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 4

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 11/04/2025
Next Scheduled EDR Contact: 02/23/2026
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: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 07/23/2025
Date Data Arrived at EDR: 07/23/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 6

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/06/2025
Next Scheduled EDR Contact: 02/23/2026
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: 10/07/2025
Next Scheduled EDR Contact: 01/19/2026
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: 10/02/2025
Next Scheduled EDR Contact: 01/12/2026
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: 11/03/2025
Next Scheduled EDR Contact: 02/16/2026
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: 06/02/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 06/16/2025
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 10/22/2025
Next Scheduled EDR Contact: 02/09/2026
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: 10/30/2025
Next Scheduled EDR Contact: 02/09/2026
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: 09/11/2025
Next Scheduled EDR Contact: 12/22/2025
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: 08/11/2025
Date Made Active in Reports: 11/10/2025
Number of Days to Update: 91

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/10/2025
Next Scheduled EDR Contact: 02/23/2026
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: 07/14/2025
Date Data Arrived at EDR: 07/14/2025
Date Made Active in Reports: 10/13/2025
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/14/2025
Next Scheduled EDR Contact: 01/26/2026
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: 07/29/2025
Date Data Arrived at EDR: 08/04/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 12/08/2025
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: 07/01/2025
Date Data Arrived at EDR: 07/29/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/08/2025
Next Scheduled EDR Contact: 01/26/2026
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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 06/26/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 28

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 02/09/2026
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: 09/30/2025
Next Scheduled EDR Contact: 01/12/2026
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: 09/23/2025
Next Scheduled EDR Contact: 01/12/2026
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: 08/11/2025
Date Data Arrived at EDR: 08/12/2025
Date Made Active in Reports: 11/04/2025
Number of Days to Update: 84

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 10/23/2025
Next Scheduled EDR Contact: 01/26/2026
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: 08/28/2025
Next Scheduled EDR Contact: 12/08/2025
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: 08/21/2025
Next Scheduled EDR Contact: 12/08/2025
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: 10/30/2025
Next Scheduled EDR Contact: 02/09/2026
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: 09/17/2025
Next Scheduled EDR Contact: 01/05/2026
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: 06/30/2025
Date Data Arrived at EDR: 07/17/2025
Date Made Active in Reports: 10/13/2025
Number of Days to Update: 88

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/20/2025
Next Scheduled EDR Contact: 02/02/2026
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: 06/30/2025
Date Data Arrived at EDR: 07/29/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 91

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/23/2025
Next Scheduled EDR Contact: 01/13/2026
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: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 09/29/2025
Next Scheduled EDR Contact: 01/12/2026
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: 10/22/2025
Next Scheduled EDR Contact: 02/09/2026
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: 05/15/2025
Date Data Arrived at EDR: 05/15/2025
Date Made Active in Reports: 07/29/2025
Number of Days to Update: 75

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/10/2025
Next Scheduled EDR Contact: 02/23/2026
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 09/29/2025
Date Data Arrived at EDR: 10/01/2025
Date Made Active in Reports: 10/28/2025
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/03/2025
Next Scheduled EDR Contact: 01/05/2026
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

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: 08/08/2025
Date Data Arrived at EDR: 08/18/2025
Date Made Active in Reports: 11/12/2025
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/18/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 07/01/2025
Date Data Arrived at EDR: 07/01/2025
Date Made Active in Reports: 09/24/2025
Number of Days to Update: 85

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Quarterly

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: 04/08/2025
Date Data Arrived at EDR: 05/20/2025
Date Made Active in Reports: 08/12/2025
Number of Days to Update: 84

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/12/2025
Next Scheduled EDR Contact: 03/02/2026
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: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
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: 09/10/2025
Date Data Arrived at EDR: 09/10/2025
Date Made Active in Reports: 11/12/2025
Number of Days to Update: 63

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/09/2025
Next Scheduled EDR Contact: 12/15/2025
Data Release Frequency: Quarterly

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: 08/21/2025
Next Scheduled EDR Contact: 12/01/2025
Data Release Frequency: Varies

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: 04/22/2025
Date Data Arrived at EDR: 05/05/2025
Date Made Active in Reports: 05/21/2025
Number of Days to Update: 16

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/08/2025
Data Release Frequency: Quarterly

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: 11/11/2025
Next Scheduled EDR Contact: 03/02/2026
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/22/2025
Date Data Arrived at EDR: 06/25/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 07/31/2025
Date Data Arrived at EDR: 08/14/2025
Date Made Active in Reports: 11/04/2025
Number of Days to Update: 82
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/29/2025
Next Scheduled EDR Contact: 01/19/2026
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: 08/07/2025
Date Data Arrived at EDR: 08/07/2025
Date Made Active in Reports: 11/04/2025
Number of Days to Update: 89
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/06/2025
Next Scheduled EDR Contact: 02/23/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62
Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 09/24/2025
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 11/12/2024
Date Data Arrived at EDR: 07/21/2025
Date Made Active in Reports: 10/13/2025
Number of Days to Update: 84

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/15/2025
Next Scheduled EDR Contact: 02/02/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 05/15/2024
Date Data Arrived at EDR: 03/06/2025
Date Made Active in Reports: 06/03/2025
Number of Days to Update: 89

Source: Social Science Environmental Health Research Institute
Telephone: N/A
Last EDR Contact: 09/02/2025
Next Scheduled EDR Contact: 12/15/2025
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 06/23/2025
Date Data Arrived at EDR: 06/26/2025
Date Made Active in Reports: 08/27/2025
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 09/26/2025
Next Scheduled EDR Contact: 01/12/2026
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: 09/24/2025
Next Scheduled EDR Contact: 01/12/2026
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: 09/24/2025
Next Scheduled EDR Contact: 01/12/2026
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: 07/06/2025
Date Data Arrived at EDR: 07/10/2025
Date Made Active in Reports: 10/02/2025
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 01/26/2026
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: 11/06/2025
Next Scheduled EDR Contact: 02/16/2026
Data Release Frequency: Semi-Annually

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: 11/06/2025
Next Scheduled EDR Contact: 02/16/2026
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: 06/02/2025
Date Data Arrived at EDR: 06/04/2025
Date Made Active in Reports: 08/13/2025
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 10/01/2025
Next Scheduled EDR Contact: 12/29/2025
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: 06/03/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 08/25/2025
Number of Days to Update: 83

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 09/03/2025
Next Scheduled EDR Contact: 12/15/2025
Data Release Frequency: Varies

AIRS: List of Permitted Facilities

A listing of permitted facilities in the state.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 07/15/2025
Date Made Active in Reports: 10/03/2025
Number of Days to Update: 80

Source: Department of Health
Telephone: 808-586-4200
Last EDR Contact: 10/28/2025
Next Scheduled EDR Contact: 01/05/2026
Data Release Frequency: Varies

DRYCLEANERS: Permitted Drycleaner Facility Listing

A listing of permitted drycleaner facilities in the state.

Date of Government Version: 12/31/2024
Date Data Arrived at EDR: 07/15/2025
Date Made Active in Reports: 10/03/2025
Number of Days to Update: 80

Source: Department of Health
Telephone: 808-586-4200
Last EDR Contact: 10/28/2025
Next Scheduled EDR Contact: 01/05/2026
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: 05/28/2025
Date Data Arrived at EDR: 06/03/2025
Date Made Active in Reports: 08/20/2025
Number of Days to Update: 78

Source: Department of Health
Telephone: 808-586-4226
Last EDR Contact: 10/22/2025
Next Scheduled EDR Contact: 12/15/2025
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: 05/23/2025
Date Data Arrived at EDR: 05/27/2025
Date Made Active in Reports: 08/19/2025
Number of Days to Update: 84

Source: Department of Health
Telephone: 808-586-4238
Last EDR Contact: 08/19/2025
Next Scheduled EDR Contact: 12/08/2025
Data Release Frequency: Semi-Annually

LEAD: Lead Inspection Listing
Lead inspections

Date of Government Version: 04/14/2025
Date Data Arrived at EDR: 04/16/2025
Date Made Active in Reports: 07/14/2025
Number of Days to Update: 89

Source: Department of Health
Telephone: 808-586-5800
Last EDR Contact: 08/26/2025
Next Scheduled EDR Contact: 12/15/2025
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: 11/11/2025
Next Scheduled EDR Contact: 03/02/2026
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
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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

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

UNDEVELOPED LOTS 2 - 5
91-683 WAKEA STREET
KAPOLEI, HI 96707

TARGET PROPERTY COORDINATES

Latitude (North):	21.327756 - 21° 19' 39.92"
Longitude (West):	158.080458 - 158° 4' 49.65"
Universal Tranverse Mercator:	Zone 4
UTM X (Meters):	595361.2
UTM Y (Meters):	2358561.5
Elevation:	52 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	9757679 EWA, 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).

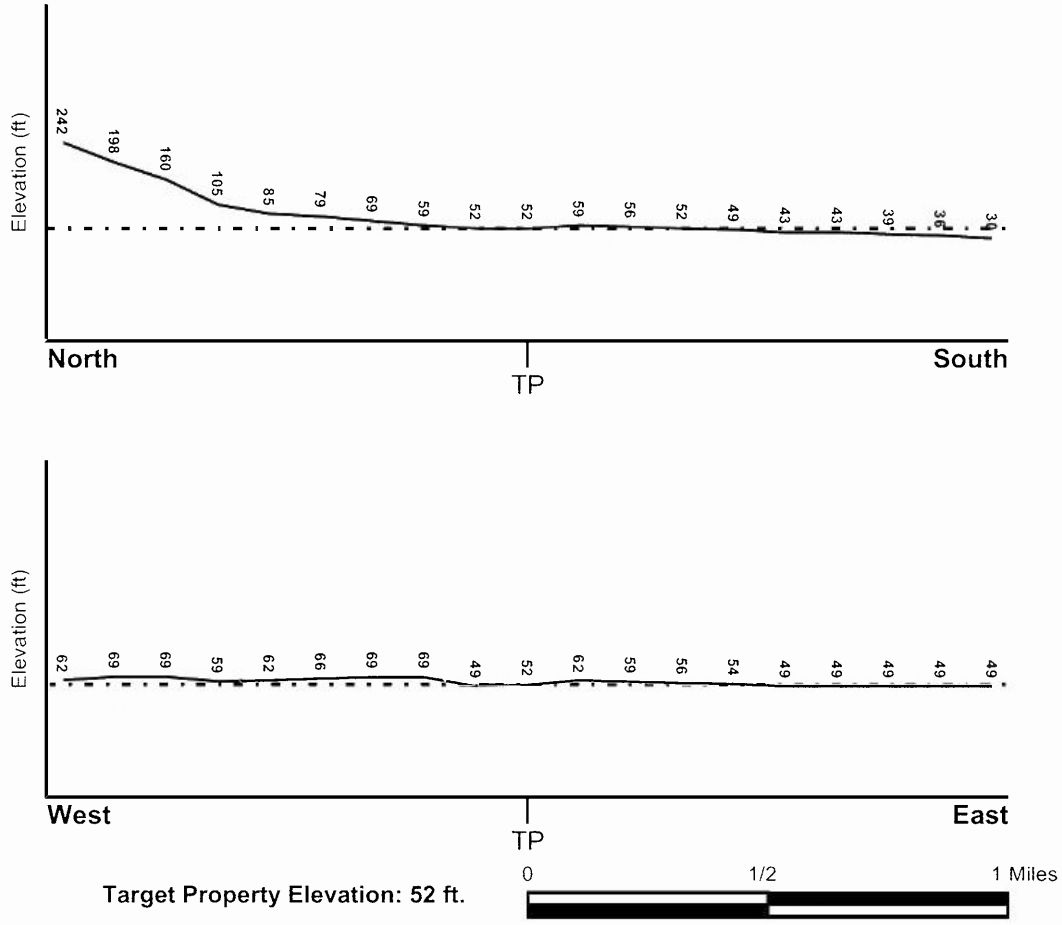
TOPOGRAPHIC INFORMATION

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 ESE

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
15003C0310G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
15003C0304G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
EWA	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

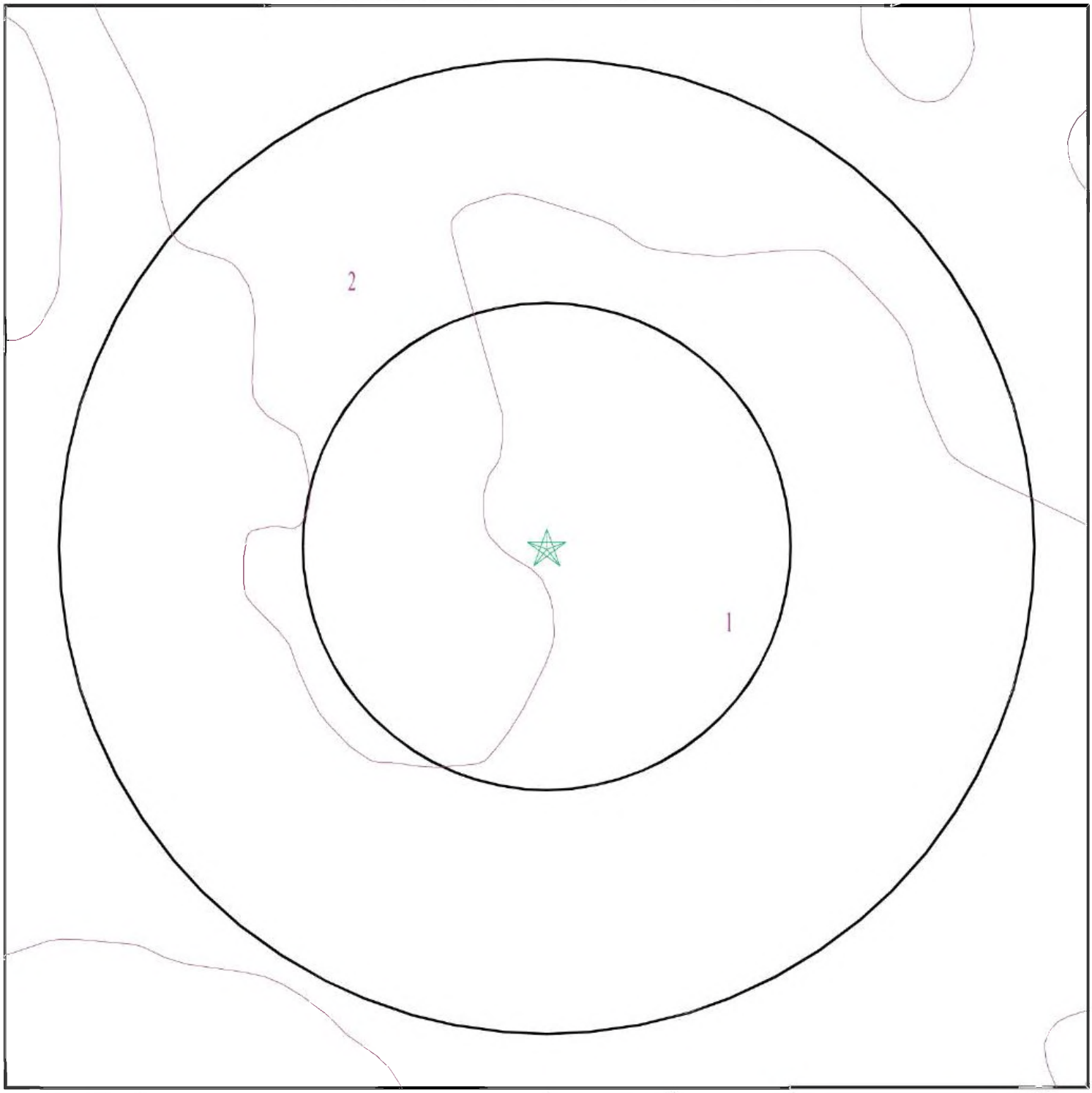
Era: -
System: -
Series: -
Code: N/A *(decoded above as Era, System & Series)*

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 - 8171545.2s



★ Target Property
SSURGO Soil
Water

SITE NAME:	Undeveloped Lots 2 - 5	CLIENT:	Ford & Associates, Inc.
ADDRESS:	91-683 Wakea Street Kapolei HI 96707	CONTACT:	Leah Ford
LAT/LONG:	21.327756 / 158.080458	INQUIRY #:	8171545.2s
		DATE:	November 13, 2025 1:33 pm

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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: Mamala

Soil Surface Texture: stony silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 48 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	7 inches	stony silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.42 Min: 0.02	Max: Min:
2	7 inches	18 inches	stony silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.42 Min: 0.02	Max: Min:
3	18 inches	29 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0.42 Min: 0.02	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Honouliuli

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

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	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6
2	14 inches	68 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	USGS40000269847	0 - 1/8 Mile SW
B5	USGS40000269831	1/4 - 1/2 Mile SSW
C8	USGS40000269873	1/2 - 1 Mile East
D13	USGS40000269829	1/2 - 1 Mile WSW
D15	USGS40000269827	1/2 - 1 Mile WSW
E16	USGS40000269841	1/2 - 1 Mile West
E17	USGS40000269842	1/2 - 1 Mile West
F18	USGS40000269947	1/2 - 1 Mile NNW
G20	USGS40000269840	1/2 - 1 Mile East
H22	USGS40000269942	1/2 - 1 Mile NE
I25	USGS40000269839	1/2 - 1 Mile West
J26	USGS40000269990	1/2 - 1 Mile North
J27	USGS40000269991	1/2 - 1 Mile North
J28	USGS40000269993	1/2 - 1 Mile North
J29	USGS40000269992	1/2 - 1 Mile North

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

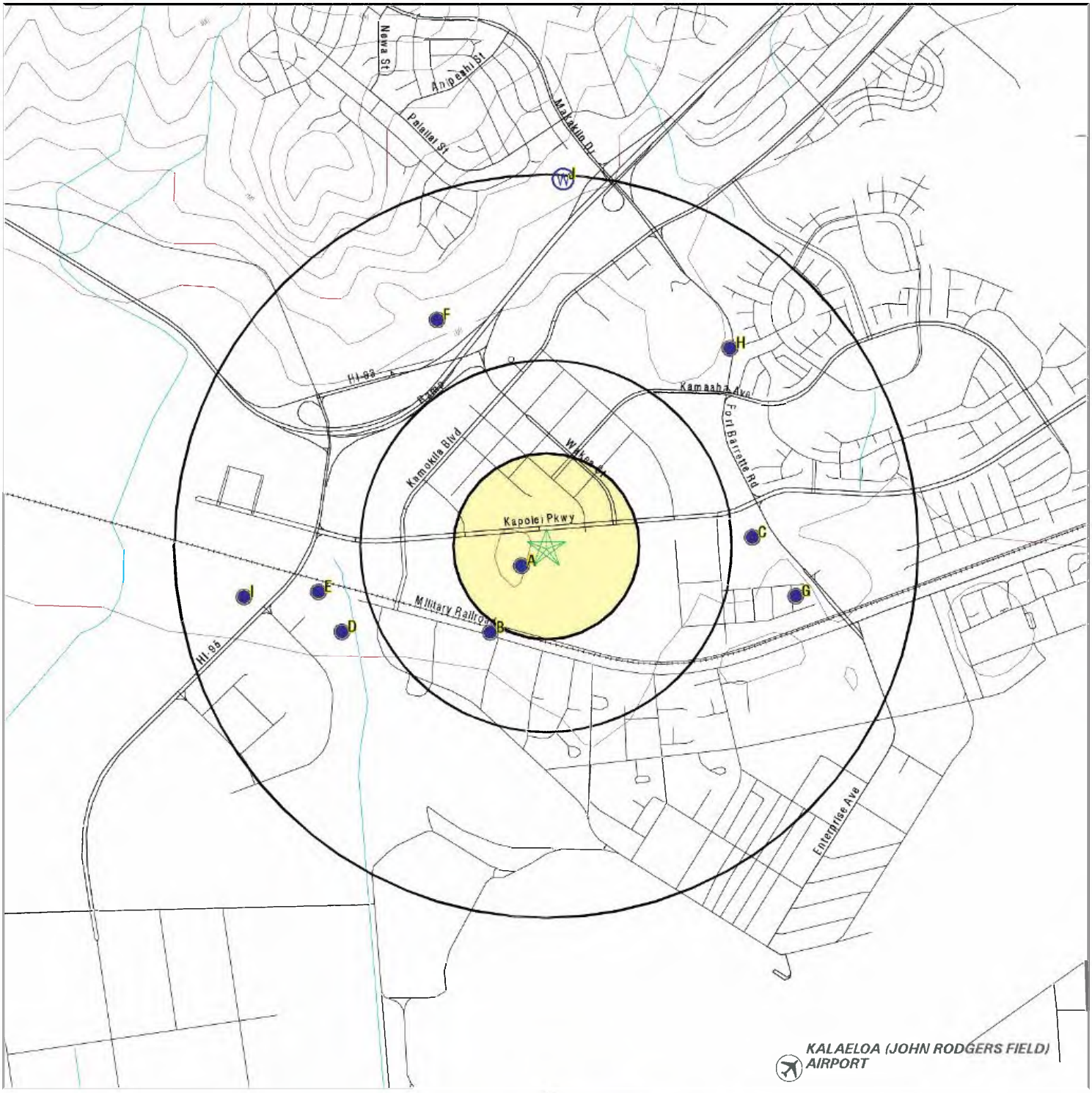
MAP ID	WELL ID	LOCATION FROM TP
A1	HI1300000000916	0 - 1/8 Mile SW
A2	HI1300000000918	0 - 1/8 Mile WSW
B4	HI1300000000911	1/4 - 1/2 Mile SSW
C6	HI1300000000908	1/2 - 1 Mile East
C7	HI1300000000909	1/2 - 1 Mile East
D9	HI1300000000917	1/2 - 1 Mile WSW
D10	HI1300000000912	1/2 - 1 Mile WSW
D11	HI1300000000915	1/2 - 1 Mile WSW
E12	HI1300000000913	1/2 - 1 Mile WSW
D14	HI1300000000914	1/2 - 1 Mile WSW
F19	HI1300000001071	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G21	HI1300000000907	1/2 - 1 Mile ESE
H23	HI1300000001067	1/2 - 1 Mile NE
I24	HI1300000000910	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 8171545.2s



- 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:	Undeveloped Lots 2 - 5	CLIENT:	Ford & Associates, Inc.
ADDRESS:	91-683 Wakea Street Kapolei HI 96707	CONTACT:	Leah Ford
LAT/LONG:	21.327756 / 158.080458	INQUIRY #:	8171545.2s
		DATE:	November 13, 2025 1:32 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
A1 **SW** **0 - 1/8 Mile** **Lower**	**HI WELLS**	**HI1300000000916**

Well #:	3-1905-008	Well Name:	Kapolei Irr 1
Original Name:	Not Reported	Aquifer Type:	Caprock
Year Drilled:	1991	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	84		
Land Owner:	D.R. Horton - Schuler Homes LLC		
Pump Installer:	Beylik / Energetic A JV		
Well Construction Type:	Percussion	Casing Diameter (in):	12
Ground Elevation (ft):	65	Solid Casing Depth (ft):	64
Perf Casing Depth (ft):	84	Major Well Use:	Unused
Initial Water Level (ft):	Not Reported	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	Not Reported	Date Tested:	10-APR-91
Test Pump Rate (g/m):	750	Test Drawdown Rate (ft):	6.4
Test Chloride Content (mg/l):	545	Test Water Temp:	Not Reported
Test Unit:	Not Reported	Pump GPM:	550
Max Chloride Level:	Not Reported	Min Chloride Level:	Not Reported
Pump Installed:	2007	Draft Year:	Not Reported
Hole Bottom Elevation:	-19	Solid Casing Bot Elevation:	1
Perf Casing Bot Elevation:	-19	Pump Capacity (MM gal/day):	.792
Pump Intake Depth (ft):	75	Latest WCR1 Report:	01-JAN-91
Latest WCR2 Report:	14-NOV-07	Transmissivity:	Not Reported

	Database	EDR ID Number
A2 **WSW** **0 - 1/8 Mile** **Lower**	**HI WELLS**	**HI1300000000918**

Well #:	3-1905-010	Well Name:	Kapolei Irr 2
Original Name:	Not Reported	Aquifer Type:	Caprock
Year Drilled:	1993	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	94		
Land Owner:	D.R. Horton - Schuler Homes LLC		
Pump Installer:	Not Reported	Well Construction Type:	Rotary
Casing Diameter (in):	14	Ground Elevation (ft):	65
Solid Casing Depth (ft):	54	Perf Casing Depth (ft):	94
Major Well Use:	Unused	Initial Water Level (ft):	1.25
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	450
Date Tested:	05-AUG-93	Test Pump Rate (g/m):	600
Test Drawdown Rate (ft):	9.7	Test Chloride Content (mg/l):	470
Test Water Temp:	Not Reported	Test Unit:	Not Reported
Pump GPM:	550	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	1994
Draft Year:	Not Reported	Hole Bottom Elevation:	-29
Solid Casing Bot Elevation:	9	Perf Casing Bot Elevation:	-29
Pump Capacity (MM gal/day):	.792	Pump Intake Depth (ft):	75
Latest WCR1 Report:	20-AUG-93	Latest WCR2 Report:	01-APR-94
Transmissivity:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A3
SW
0 - 1/8 Mile
Lower

FED USGS **USGS40000269847**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1905.04	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:	19800901
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	35	Well Hole Depth Units:	ft

B4
SSW
1/4 - 1/2 Mile
Higher

HI WELLS **HI1300000000911**

Well #:	3-1905-003	Well Name:	Barbers Point
Original Name:	Not Reported	Aquifer Type:	Not Reported
Year Drilled:	1966	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	70	Land Owner:	Hawaiian Telephone Co.
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	8	Ground Elevation (ft):	56
Solid Casing Depth (ft):	Not Reported	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Industrial - Other		
Initial Water Level (ft):	2.3	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	288	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:	-14	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-66
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported

---

B5
SSW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000269831**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1905.01 -03/W275-4	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:	19660718
Well Depth:	70	Well Depth Units:	ft
Well Hole Depth:	70	Well Hole Depth Units:	ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels,Number of Measurements:	1	Level reading date:	1966-08-05
Feet below surface:	53.30	Feet to sea level:	Not Reported
Note:	Not Reported		

C6
East
1/2 - 1 Mile
Higher

HI WELLS **HI1300000000908**

Well #:	3-1904-002	Well Name:	Makakilo G C 1
Original Name:	Not Reported	Aquifer Type:	Caprock
Year Drilled:	1991	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	77	Land Owner:	Not Reported
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	12	Ground Elevation (ft):	Not Reported
Solid Casing Depth (ft):	57	Perf Casing Depth (ft):	77
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:	22-NOV-91
Test Pump Rate (g/m):	450	Test Drawdown Rate (ft):	4.5
Test Chloride Content (mg/l):	860	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:	Not Reported	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:	25-NOV-91
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported

---

C7
East
1/2 - 1 Mile
Higher

HI WELLS **HI1300000000909**

Well #:	3-1904-003	Well Name:	Makakilo G C 2
Original Name:	Not Reported	Aquifer Type:	Not Reported
Year Drilled:	1992	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	70	Land Owner:	Not Reported
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	12	Ground Elevation (ft):	Not Reported
Solid Casing Depth (ft):	50	Perf Casing Depth (ft):	70
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:	07-JAN-92
Test Pump Rate (g/m):	425	Test Drawdown Rate (ft):	3.5
Test Chloride Content (mg/l):	910	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:	Not Reported	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:	10-JAN-92
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C8
East
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000269873**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1904-02 MAKAKILO	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:	19891026
Well Depth:	80	Well Depth Units:	ft
Well Hole Depth:	80	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1989-10-26
Feet below surface:	50.	Feet to sea level:	Not Reported
Note:	Not Reported		

D9
WSW
1/2 - 1 Mile
Higher | **HI WELLS** | **HI1300000000917**

Well #:	3-1905-009	Well Name:	Caprock 3
Original Name:	Not Reported	Aquifer Type:	Caprock
Year Drilled:	1992	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	80		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	12	Ground Elevation (ft):	54
Solid Casing Depth (ft):	60	Perf Casing Depth (ft):	80
Major Well Use:	Unused	Initial Water Level (ft):	2.25
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	05-OCT-92	Test Pump Rate (g/m):	600
Test Drawdown Rate (ft):	5.6	Test Chloride Content (mg/l):	900
Test Water Temp:	24.5	Test Unit:	C
Pump GPM:	780	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	1992
Draft Year:	Not Reported	Hole Bottom Elevation:	-26
Solid Casing Bot Elevation:	-6	Perf Casing Bot Elevation:	-26
Pump Capacity (MM gal/day):	1.123	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-SEP-92	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

D10
WSW
1/2 - 1 Mile
Higher | **HI WELLS** | **HI1300000000912**

Well #:	3-1905-004	Well Name:	Ewa Desalt Basal
Original Name:	Not Reported	Aquifer Type:	Basal
Year Drilled:	1988	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	380		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Percussion

Casing Diameter (in):	12	Ground Elevation (ft):	Not Reported
Solid Casing Depth (ft):	275	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Unused	Initial Water Level (ft):	Not Reported
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	19-JAN-88	Test Pump Rate (g/m):	500
Test Drawdown Rate (ft):	1	Test Chloride Content (mg/l):	510
Test Water Temp:	23.3	Test Unit:	C
Pump GPM:	780	Max Chloride Level:	Not Reported
Min Chloride Level:	Not Reported	Pump Installed:	Not Reported
Draft Year:	Not Reported	Hole Bottom Elevation:	Not Reported
Solid Casing Bot Elevation:	Not Reported	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	1.123	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-FEB-88	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

D11
WSW
1/2 - 1 Mile
Higher

HI WELLS **HI1300000000915**

Well #:	3-1905-007	Well Name:	Caprock 2
Original Name:	Not Reported	Aquifer Type:	Caprock
Year Drilled:	1991	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	78		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	12	Ground Elevation (ft):	49
Solid Casing Depth (ft):	48	Perf Casing Depth (ft):	78
Major Well Use:	Unused	Initial Water Level (ft):	.5
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	19-FEB-91	Test Pump Rate (g/m):	625
Test Drawdown Rate (ft):	1.1	Test Chloride Content (mg/l):	690
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:	-29
Solid Casing Bot Elevation:	-1	Perf Casing Bot Elevation:	-29
Pump Capacity (MM gal/day):	Not Reported	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-FEB-91	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

E12
WSW
1/2 - 1 Mile
Higher

HI WELLS **HI1300000000913**

Well #:	3-1905-005	Well Name:	Caprock 1
Original Name:	Not Reported	Aquifer Type:	Caprock
Year Drilled:	1988	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	80		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	14	Ground Elevation (ft):	Not Reported
Solid Casing Depth (ft):	52	Perf Casing Depth (ft):	80
Major Well Use:	Unused	Initial Water Level (ft):	Not Reported
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	Not Reported
Date Tested:	17-FEB-88	Test Pump Rate (g/m):	100
Test Drawdown Rate (ft):	15.1	Test Chloride Content (mg/l):	970

Test Water Temp:	24.4	Test Unit:	C
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:	Not Reported
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-FEB-88	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

D13
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000269829**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1905-07 EWA DESALT PLANT		
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:	19910119	Well Depth:	78
Well Depth Units:	ft	Well Hole Depth:	78
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1991-01-19
Feet below surface:	48.5	Feet to sea level:	Not Reported
Note:	Not Reported		

D14
WSW
1/2 - 1 Mile
Higher

HI WELLS **HI1300000000914**

Well #:	3-1905-006	Well Name:	Caprock 1
Original Name:	Not Reported	Aquifer Type:	Not Reported
Year Drilled:	1990	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	72		
Land Owner:	Honolulu Board of Water Supply, BWS		
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	12	Ground Elevation (ft):	47
Solid Casing Depth (ft):	44	Perf Casing Depth (ft):	72
Major Well Use:	Abandoned-Sealed		
Initial Water Level (ft):	.4	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	Not Reported	Date Tested:	03-DEC-90
Test Pump Rate (g/m):	500	Test Drawdown Rate (ft):	5.3
Test Chloride Content (mg/l):	630	Test Water Temp:	24.4
Test Unit:	C	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:	-25	Solid Casing Bot Elevation:	-3
Perf Casing Bot Elevation:	-25	Pump Capacity (MM gal/day):	Not Reported
Pump Intake Depth (ft):	Not Reported	Latest WCR1 Report:	01-DEC-90
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D15
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000269827**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1905-06 EWA DESALT PLANT		
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:	19901105	Well Depth:	72
Well Depth Units:	ft	Well Hole Depth:	73
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1990-11-05
Feet below surface:	46	Feet to sea level:	Not Reported
Note:	Not Reported		

E16
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000269841**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1905-04 EWA DESALT PLANT		
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:	198712	Well Depth:	380
Well Depth Units:	ft	Well Hole Depth:	380
Well Hole Depth Units:	ft		

E17
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000269842**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1905-05 EWA DESALT PLANT		
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:	198712	Well Depth:	79
Well Depth Units:	ft	Well Hole Depth:	79
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F18
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000269947**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2005-01 W275-5 MAK	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:	19710101
Well Depth:	170	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

F19
NNW
1/2 - 1 Mile
Higher

HI WELLS **HI1300000001071**

Well #:	3-2005-001	Well Name:	Honouliuli
Original Name:	Not Reported	Aquifer Type:	Basal
Year Drilled:	1971	Driller:	Roscoe Moss Hawaii Inc
Well Depth (ft):	142	Land Owner:	Not Reported
Pump Installer:	Not Reported	Well Construction Type:	Percussion
Casing Diameter (in):	12	Ground Elevation (ft):	120
Solid Casing Depth (ft):	105	Perf Casing Depth (ft):	120
Major Well Use:	Abandoned-Sealed		
Initial Water Level (ft):	22	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	Not Reported	Date Tested:	Not Reported
Test Pump Rate (g/m):	856	Test Drawdown Rate (ft):	1.2
Test Chloride Content (mg/l):	375	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:	-22	Solid Casing Bot Elevation:	15
Perf Casing Bot Elevation:	0	Pump Capacity (MM gal/day):	Not Reported
Pump Intake Depth (ft):	Not Reported	Latest WCR1 Report:	01-JAN-71
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported

G20
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000269840**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1904-01 D 42 BRB P	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:	19650101
Well Depth:	8	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G21
ESE
1/2 - 1 Mile
Lower

HI WELLS **HI1300000000907**

Well #:	3-1904-001	Well Name:	EP 31&32
Original Name:	Kekona's Pit	Aquifer Type:	Caprock
Year Drilled:	1965	Driller:	Royal Contracting
Well Depth (ft):	8		
Land Owner:	D.R. Horton - Schuler Homes LLC		
Pump Installer:	Not Reported	Well Construction Type:	Dug
Casing Diameter (in):	Not Reported	Ground Elevation (ft):	5
Solid Casing Depth (ft):	Not Reported	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Abandoned-Sealed		
Initial Water Level (ft):	2.2	Water Level After Drilling (ft):	Not Reported
Chloride Content (mg/l):	405	Date Tested:	Not Reported
Test Pump Rate (g/m):	790	Test Drawdown Rate (ft):	2.1
Test Chloride Content (mg/l):	415	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:	-3	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-65
Latest WCR2 Report:	Not Reported	Transmissivity:	Not Reported

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H22
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000269942**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2004-01 W275 MAKIL	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:	19330106
Well Depth:	147	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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H23
NE
1/2 - 1 Mile
Higher

HI WELLS **HI1300000001067**

Well #:	3-2004-001	Well Name:	Puu Kapolei
Original Name:	Not Reported	Aquifer Type:	Basal
Year Drilled:	1933	Driller:	L. McCandless
Well Depth (ft):	147		
Land Owner:	City and County of Honolulu, C&CH		
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	12	Ground Elevation (ft):	89.3
Solid Casing Depth (ft):	96	Perf Casing Depth (ft):	102
Major Well Use:	Abandoned	Initial Water Level (ft):	19.2
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	467

Date Tested:	Not Reported	Test Pump Rate (g/m):	465
Test Drawdown Rate (ft):	.5	Test Chloride Content (mg/l):	509
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:	-57.7
Solid Casing Bot Elevation:	-6.7	Perf Casing Bot Elevation:	-12.7
Pump Capacity (MM gal/day):	Not Reported	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-33	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

I24
West
1/2 - 1 Mile
Higher

HI WELLS **HI1300000000910**

Well #:	3-1905-002	Well Name:	Campbell Ind Pk
Original Name:	Not Reported	Aquifer Type:	Not Reported
Year Drilled:	1957	Driller:	Samson/Smock
Well Depth (ft):	90		
Land Owner:	Kapolei Lot 16915-A Holdings VII		
Pump Installer:	Not Reported	Well Construction Type:	Not Reported
Casing Diameter (in):	10	Ground Elevation (ft):	62
Solid Casing Depth (ft):	3	Perf Casing Depth (ft):	Not Reported
Major Well Use:	Unused	Initial Water Level (ft):	2.1
Water Level After Drilling (ft):	Not Reported	Chloride Content (mg/l):	795
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:	-28
Solid Casing Bot Elevation:	59	Perf Casing Bot Elevation:	Not Reported
Pump Capacity (MM gal/day):	Not Reported	Pump Intake Depth (ft):	Not Reported
Latest WCR1 Report:	01-JAN-57	Latest WCR2 Report:	Not Reported
Transmissivity:	Not Reported		

I25
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000269839**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-1905-02 T84 BRB PT	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:	19571125
Well Depth:	90	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J26
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000269990**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2004.01A	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:	19670101
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	16	Well Hole Depth Units:	ft

J27
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000269991**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2004.01B	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:	19670101
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	20	Well Hole Depth Units:	ft

J28
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000269993**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2004.01D	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:	19670101
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	20	Well Hole Depth Units:	ft

J29
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000269992**

Organization ID:	USGS-HI	Organization Name:	USGS Hawaii Water Science Center
Monitor Location:	3-2004.01C	Type:	Well
Description:	Not Reported	HUC:	20060000
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19670101
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	20	Well Hole Depth Units:	ft

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: 96707

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.143 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

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APPENDIX I

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORM

ADVANCED ANALYTICAL LABORATORY INC

November 21, 2025

Ford & Associates, Inc.
928 Nuuanu Avenue, Suite 505
Honolulu, HI 96817

Dear Liam Felix,

Please find enclosed the analytical report for:

Project Name:	Undeveloped Kapolei Lots 2-5 Property
AAL Project #:	AA761
Date Received:	11/13/2025
MIS Prep:	Yes

The results, applicable reporting limits, QA/QC data, invoice, and copy of COC are included. If Multi-incremental preparation was needed for this project, it was completed by Advanced Analytical Laboratory, Honolulu, HI.

Advanced Analytical Laboratory appreciates the opportunity to provide analytical services for this project. If you have any questions regarding this project, please don't hesitate to contact AAL.

Thank you for your business and continuing support.

Sincerely,

Uwe Baumgartner, Ph.D
Owner

Elisa M. Young
Owner

ACCU LABORATORY

12524 130th Lane NE
Kirkland WA 98034

Tel: (425) 214-5858
(425) 214-5868
Email: lisa@accu-lab.com
website: www.accu-lab.com

Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**25-AL1117-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	11/13/2025
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	11/17/2025
Project Name	**Undeveloped Kapolei Lots 2-5 Property**	Date Reported	11/21/2025
Client Project#	**25-2611**		
Project#	**AA761**		

Organochlorine Pesticides in Soil by EPA 8081B/3550C

Accu Lab Batch# AL111825-3

Client sample ID					**DU-1**	**DU-1D**	**DU-1T**	**DU-2**
Lab ID	**MRL**	**Unit**	**MTH BLK**	**LCS**	25-AL1117-2-1	25-AL1117-2-2	25-AL1117-2-3	25-AL1117-2-4
Matrix			Solid	Solid	Soil	Soil	Soil	Soil
Date Extracted			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
Date Analyzed			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
α-BHC	1.0	ug/kg	nd		nd	nd	nd	nd
γ-BHC (Lindane)	1.0	ug/kg	nd	129%	nd	nd	nd	nd
β-BHC	1.0	ug/kg	nd		nd	nd	nd	nd
Heptachlor	1.0	ug/kg	nd	90%	nd	nd	nd	nd
δ-BHC	1.0	ug/kg	nd		nd	nd	nd	nd
Aldrin	1.0	ug/kg	nd	137%	nd	nd	nd	nd
Heptachlor Epoxide	1.0	ug/kg	nd		nd	nd	nd	nd
γ-Chlordane	5.0	ug/kg	nd		nd	nd	nd	6.0
α-Chlordane	5.0	ug/kg	nd		nd	nd	nd	6.1
Endosulfan I	1.0	ug/kg	nd		nd	nd	nd	nd
4,4'-DDE	5.0	ug/kg	nd		nd	nd	nd	nd
Dieldrin	1.0	ug/kg	nd	123%	2.9	3.1	2.7	8.5
Endrin	1.0	ug/kg	nd	114%	nd	nd	nd	nd
4,4'-DDD	5.0	ug/kg	nd		nd	nd	nd	nd
Endosulfan II	5.0	ug/kg	nd		nd	nd	nd	nd
4,4'-DDT	5.0	ug/kg	nd	79%	nd	nd	nd	nd
Endrin Aldehyde	5.0	ug/kg	nd		nd	nd	nd	nd
Methoxychlor	5.0	ug/kg	nd		nd	nd	nd	nd
Endrin Ketone	5.0	ug/kg	nd		nd	nd	nd	nd
Endosulfan Sulfate	10	ug/kg	nd		nd	nd	nd	nd
Technical Chlordane	0.10	**mg/kg**	nd		nd	nd	nd	nd
Toxaphene	0.20	**mg/kg**	nd		nd	nd	nd	nd
Surrogate Recoveries								
Decachlorobiphenyl			99%	103%	106%	106%	101%	104%
Tetrachloro-m-xylene			98%	97%	99%	100%	101%	99%

Acceptable Recovery Limits:

Surrogates	*50-150%*
LCS/MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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ACCU LABORATORY

12524 130th Lane NE
Kirkland WA 98034

Tel: (425) 214-5858
(425) 214-5868
Email: lisa@accu-lab.com
website: www.accu-lab.com

Analytical Report

Client	**Advanced Analytical Laboratory**	**Acculab WO#**	**25-AL1117-2**
	544 Ohohia Street #10		
	Honolulu, HI, 96819	Date Sampled	11/13/2025
Project Manager	Uwe Baumgartner/ Elisa Young	Date Received	11/17/2025
Project Name	**Undeveloped Kapolei Lots 2-5 Property**	Date Reported	11/21/2025
Client Project#	**25-2611**		
Project#	**AA761**		

Organochlorine Pesticides in Soil by EPA 8081B/3550C

Accu Lab Batch# AL111825-3

Client sample ID			**DU-3**	**DU-4**	**DU-5**	**MS**	**MSD**	**RPD**
Lab ID	**MRL**	**Unit**	25-AL1117-2-5	25-AL1117-2-6	25-AL1117-2-7	25-AL1114-2-4	25-AL1114-2-4	25-AL1114-2-4
Matrix			Soil	Soil	Soil	Soil	Soil	Soil
Date Extracted			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
Date Analyzed			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
α-BHC	1.0	ug/kg	nd	nd	nd			
γ-BHC (Lindane)	1.0	ug/kg	nd	nd	nd	104%	116%	11%
β-BHC	1.0	ug/kg	nd	nd	nd			
Heptachlor	1.0	ug/kg	nd	nd	nd	78%	87%	10%
δ-BHC	1.0	ug/kg	nd	nd	nd			
Aldrin	1.0	ug/kg	nd	nd	nd	111%	122%	9%
Heptachlor Epoxide	1.0	ug/kg	nd	nd	nd			
γ-Chlordane	5.0	ug/kg	nd	nd	nd			
α-Chlordane	5.0	ug/kg	nd	nd	nd			
Endosulfan I	1.0	ug/kg	nd	nd	nd			
4,4'-DDE	5.0	ug/kg	nd	nd	nd			
Dieldrin	1.0	ug/kg	nd	nd	nd	94%	106%	12%
Endrin	1.0	ug/kg	nd	nd	nd	106%	116%	9%
4,4'-DDD	5.0	ug/kg	nd	nd	nd			
Endosulfan II	5.0	ug/kg	nd	nd	nd			
4,4'-DDT	5.0	ug/kg	nd	nd	nd	110%	122%	10%
Endrin Aldehyde	5.0	ug/kg	nd	nd	nd			
Methoxychlor	5.0	ug/kg	nd	nd	nd			
Endrin Ketone	5.0	ug/kg	nd	nd	nd			
Endosulfan Sulfate	10	ug/kg	nd	nd	nd			
Technical Chlordane	0.10	**mg/kg**	nd	nd	nd			
Toxaphene	0.20	**mg/kg**	nd	nd	nd			
Surrogate Recoveries								
Decachlorobiphenyl			101%	100%	101%	105%	105%	
Tetrachloro-m-xylene			98%	99%	101%	108%	107%	

Acceptable Recovery Limits:

Surrogates	*50-150%*
LCS/MS/MSD	*50-150%*
Acceptable RPD limit:	*30%*

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Analytical Report

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	Honolulu, HI, 96819	Date Sampled	11/13/2025
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Project Name	**Undeveloped Kapolei Lots 2-5 Property**	Date Reported	11/21/2025
Client Project#	**25-2611**		
Project#	**AA761**		

Metals in Soil by EPA 6020B/EPA3050B

Accu Lab Batch# AL111825-11

Client sample ID					**DU-1**	**DU-1D**	**DU-1T**	**DU-2**
Lab ID	**MRL**	**Unit**	**MTH BLK**	**LCS**	25-AL1117-2-1	25-AL1117-2-2	25-AL1117-2-3	25-AL1117-2-4
Matrix			Solid	Solid	Soil	Soil	Soil	Soil
Date Digested			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
Date Analyzed			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
Arsenic (As)	2.0	mg/kg	nd	102%	7.9	7.5	6.2	4.5

Acceptable Recovery Limits:

LCS	*80-120%*
MS/MSD	*75-125%*
Acceptable RPD limit:	*20%*

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Project Name	**Undeveloped Kapolei Lots 2-5 Property**	Date Reported	11/21/2025
Client Project#	**25-2611**		
Project#	**AA761**		

Metals in Soil by EPA 6020B/EPA3050B

Accu Lab Batch# AL111825-11

Client sample ID			**DU-3**	**DU-4**	**DU-5**	**MS**	**MSD**	**RPD**
Lab ID	**MRL**	**Unit**	25-AL1117-2-5	25-AL1117-2-6	25-AL1117-2-7	25-AL1117-4-1	25-AL1117-4-1	25-AL1117-4-1
Matrix			Soil	Soil	Soil	Soil	Soil	Soil
Date Digested			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
Date Analyzed			11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025	11/18/2025
Arsenic (As)	2.0	mg/kg	4.2	22	20	81%	93%	14%

Acceptable Recovery Limits:

LCS	*80-120%*
MS/MSD	*75-125%*
Acceptable RPD limit:	*20%*

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Analytical Report

Client	Advanced Analytical Laboratory	**Acculab WO#**	**25-AL1117-2**
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	Honolulu, HI, 96819	Date Sampled	11/13/2025
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Project Name	**Undeveloped Kapolei Lots 2-5 Property**	Date Reported	11/21/2025
Client Project#	**25-2611**		
Project#	**AA761**		

Data Qualifiers and Comments:

Results reported on dry-weight basis for soil samples.

MRL- Method Reporting Limit
nd- Indicates the analyte is not detected at the listing reporting limit.
C- Coelution with other compounds.
M- % Recovery of surrogate, MS/MSD is out of the acceptable limit due to matrix effect.
B- Indicates the analyte is detected in the method blank associated with the sample.
J- The analyte is detected at below the reporting limit.
E- The result reported exceeds the calibration range, and is an estimate.
D- Sample required dilution due to matrix. Method Reporting Limits were elevated due to dilutions.
H- Sample was received or analyzed past holding time
Q- Sample was received with head space, improper preserved or above recommended temperature.
I- Due to insufficient sample, LCS/LCS DUP were analyzed in place of MS/MSD.
R- The recovery of this analyte in QC sample failed high, but the analyte was not detected in all related samples. No action was taken.
R-1- The RPD value for the MS/MSD was outside of QC acceptance limits however both recoveries were acceptable. All related samples were "nd". No action was taken.
R-2- The recovery of the surrogate in sample failed high, but all related analytes were not detected in the sample. No action was taken.

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ADVANCED ANALYTICAL LABORATORY-CHAIN OF CUSTODY RECORD

Phone: (808) 836 2252 Fax:(808) 836 2250 Address: 3210 Koapaka Street#A Honolulu, HI 96819

TURNAROUND TIME: Standard AAL PROJECT#: AA761

CLIENT: FAI
ADDRESS: 928 Nuuanu Ave., Suite 505
PHONE: (808) 393-4900 EMAIL: LFelix@Fordglass.com
CLIENT PROJECT#: 25-2611

PROJECT NAME: undeveloped Kapolei Lots 2-5 Property
COLLECTOR: L. Felix & L. Ford
DATE OF COLLECTION: 11-13-25
PROJECT MANAGER: L. Felix

ANALYSES

Sample Number	Time	Sample type	Container Type	Multi-Incremental Volatile	Multi-Incremental Non Volatile	8015M TPH Fuel Scan	8015M TPH Gasoline	8015M TPH Diesel	8015M TPH Oil	8260B Volatiles	8021B BTEX	8021B MtBE	8100 PAH DOH 4	8270 PAH 17 analytes	8270 Semi Volatiles	8082 PCB	TCLP 8081 OrganoChlorind Pest.	8081 Organochlorine Pesticides	8081 Technical Chlordane	Total Lead	Total Cadmium	6010 Arsenic	TCLP RCRA 8 Metals	Total RCRA 8 Metals	Field Notes	Number of containers	Number containers received
DU-1	1150	S	Bag	X												X				X						1	1
DU-1D	1150	S	Bag	X												X				X						1	1
DU-1T	1150	S	Bag	X												X				X						1	1
DU-2	1306	S	Bag	X												X				X						1	1
DU-3	1025	S	Bag	X												X				X						1	1
DU-4	1105	S	Bag	X												X				X						1	1
DU-5	1210	S	Bag	X												X				X						1	1

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	11/13/25 14:00	[signature] 11/13/25	14:00
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	7
CHAIN OF CUSTODY SEALS INTACT	
RECEIVED IN GOOD CONDITION	Y
TEMPERATURE	2.3°C
PAGE 1 OF	

LABORATORY NOTES:

REFERENCES

SOURCES AND REFERENCES

ASTM International, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E1527-21.

ASTM International, "Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions," ASTM Designation E2600-22.

Mink, J.F. and L.S. Lau, 1990. *Aquifer Identification and Classification for Oahu: Groundwater Protection Strategy for Hawaii. Technical Report No. 179.*

City and County of Honolulu Department of Planning and Permitting (DPP) Database.

The EDR Radius Map Report with GeoCheck™, dated November 13, 2025, prepared by Environmental Data Resources, Inc.

The EDR Aerial Photo Decade Package, dated November 13, 2025, prepared by Environmental Data Resources, Inc.

The EDR-City Directory Image Report, dated November 13, 2025, prepared by Environmental Data Resources, Inc.

The EDR Historical Topo Map Report, dated November 13, 2025, prepared by Environmental Data Resources, Inc.

The EDR Certified Sanborn Map Report, dated November 13, 2025, prepared by Environmental Data Resources, Inc.

EDR Environmental Lien and AUL Search, dated November 17, 2025, prepared by Environmental Data Resources, Inc.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM) Map No. 15003C0310G, dated January 19, 2011, prepared by FEMA

Underground Storage Tank (UST) Database and Leaking Underground Storage Tank (LUST) Database, dated 2024, prepared by State of Hawaii, Department of Health, Solid and Hazardous Waste Branch

Hazard Evaluation & Emergency Response (HEER) Office Database, dated 2025, prepared by State of Hawaii, Department of Health, HEER Office

Ownership records and Tax Map Key maps, prepared by the City and County of Honolulu Real Property Tax Assessment Office

Ewa Quadrangle, 7.5-Minute Topographic Map (2017), by US Geological Survey

Web Soil Survey (2022), by US Department of Agriculture, Natural Resources Conservation Service

Persons Contacted

Ms. Leahna Luke, Project Manager at the City and County of Honolulu Department of Housing and Land Management, for the Department of Facility Maintenance, December 2, 2025, phone: (808) 768-4290, e-mail: leahna.luke@honolulu.gov

Appendix 8

Flora and Fauna Survey by AECOS Inc., November 2025

AECOS, Inc.
♦45-939 Kamehameha Highway, Suite 104 ♦Kāneohe HI 96744
♦Telephone: (808) 234-7770 ♦Email: aecos@aecos.com

Elton Wong
Kobayashi Group, LLC
1288 Ala Moana Boulevard, Suite 201
Honolulu, Hawaii 96814
E-mail: ewong@kobayashi-group.com

November 19, 2025
AECOS No. 1914

Aloha Elton Wong,

AECOS biologists were contracted by Kobayashi Group to conduct a survey of TMK 9-1-160: 064 along Kapolei Parkway in Kapolei (see Attachment A). The objective of this effort was to survey the flora and fauna to establish the presence/absence of species listed as threatened or endangered under the Endangered Species Act (ESA) or otherwise of conservation concern. *AECOS* biologists, E. Guinther and B. Deis surveyed the project property on October 10, 2025 using wandering transects to cover the entirety of project areas.

With the exception of Kapolei Parkway itself, the survey area comprises undeveloped lots in various stages of grubbing and grading. A drainage swale runs east-west through the northern third of each of the lots south of Kapolei Parkway and a swale draining south is present on the triangular lot north of the Parkway. *AECOS* previously conducted a survey of lots located directly east of the present project area prior to any grading or grubbing on those lands, providing a description of the biota present in the area prior to the start of development (*AECOS*, 2020).

The plant assemblage at the Project site (see Attachment B) is dominated by herbaceous ruderal plants that have come up following grading and grubbing. A copse of mature *kiawe* trees (*Prosopis pallida*) is present on the triangular lot north of Kapolei Parkway. No plants proposed or listed as threatened or endangered species as set forth in the Endangered Species Act of 1973 as amended (16 U.S.C. 1531-1543; USFWS, nd-a; HDLNR, 1998) were seen in the survey area. For plants, state listing follows the federal listing. No plant species deserving of special consideration was recorded in the survey. Regarding the two native species recorded, *ʻuhaloa* is a common ruderal plant, and *ʻaeae* is a wetland-associated species. The survey in 2020 of a nearly identical adjacent parcel found three native species: *koʻoloa kea kea*

(*Abutilon incanum*), *'ilima* (*Sida fallax*), and *'uhaloa* (*Waltheria indica*). These three species are indigenous and generally common in Hawai'i (*AECOS*, 2020).

Attachment C is a list of birds observed during our survey. With one exception, the birds recorded are all non-native species, naturalized in Hawai'i. The *AECOS* survey observed the Hawaiian Stilt, *Ae'o*, (*Himantopus mexicanus knudseni*) visiting one of two pools of standing water within the drainage swales that cross the several lots. Hawaiian stilt is attracted to any open body of water in search of food, but these features on the project site are ephemeral and not suited to serve as permanent habitat for stilt or any other native waterbird. To avoid potential deleterious impacts to endangered waterbirds, when site grubbing and grading is conducted coincident with standing water on the site, a monitor (provided by the contractor and trained to recognize the stilt) could ensure that listed birds are not utilizing any ephemeral ponds under direct threat by land-clearing activity. If an endangered waterbird is present, all work in the immediate vicinity must cease until the animal leaves voluntarily.

Our recent survey did not find any seabirds or suitable habitat within the survey area for seabirds. However, protected night-flying Hawaiian seabirds may overfly the project area. In the summer and fall, night-flying seabirds (especially fledglings) transiting to the sea from inland nesting areas can become disoriented by exterior lighting and collide with the ground or any upright structures. Project plans should ensure that all outdoor lighting during construction and installed afterwards is fully shielded (dark sky compliant; see HDLNR-DOFAW, 2016).

The Short-eared owl or *pueo* (*Asio flammeus sandwichesis*) is increasingly scarce on O'ahu where the population is listed as endangered by the State of Hawai'I (HDLNR, 1998; not listed under federal statute). No potential habitat for this species occurs in the survey area given the generally bare condition of the ground following grading. *Pueo* is a ground-nesting species and the density of cats and dogs, both domestic and feral, would be too great here for any reasonable expectation of successful nesting.

The copse of *kiawe* trees on the triangular parcel north of Kapolei Parkway could be used by the state- and federal-listed *'ōpe'ape'a* or Hawaiian hoary bat (*Lasiurus semotus*) for roosting. Although rare on O'ahu, minimizing adverse impacts to Hawaiian hoary bat roost requires not clearing woody vegetation taller than 4.6 m (15 ft) between June 1 and September 15 of each year. This period is the bat pupping season and pups and female bats carrying pups may be unable to escape a tree being felled during the pupping season (USFWS-PIFWO, 2023).

In summary, our survey revealed no species of concern in the project area and no habitats that may attract listed species, with the one exception being the endangered Hawaiian stilt. Anytime there is standing water along the bottom of the drainage swales the possibility exists for this water feature to attract stilt. Consequently, it is up to the site construction company

to ensure that if stilt are present all work near the feature must cease, and resumed only after the stilt leave the area.

No federally designated Critical Habitat occurs in the Project area; no equivalent statute exists under state law (USFWS, nd-b). No natural resources of preservation or conservation concern beyond those described above, occur in the Project area.

Please contact me if you have any questions or require more information be added to this report..

Thank you,



Eric Gunthier
Ecologist, *AECOS*, Inc.

References Cited

AECOS, Inc. (*AECOS*). 2020.

Hawaii Department of Land and Natural Resources (HDLNR). 1998. Indigenous Wildlife, Endangered And Threatened Wildlife And Plants, And Introduced Wild Birds. Department of Land and Natural Resources. State of Hawaii. Administrative Rule §13-134-1 through §13-134-10, dated March 02, 1998 .

Hawaii Department of Land and Natural Resources-Division of Forestry and Wildlife (HDLNR-DOFAW). 2016. *Wildlife Lighting*. Available online at URL: https://dlnr.hawaii.gov/wildlife/files/2016/03/DOC439.pdf; last retrieved April 2, 2024.

U.S. Fish and Wildlife Service-Pacific Islands Fish and Wildlife Office (USFWS-PIFWO). 2023. FINAL Avoidance and Minimization Measures (AMMs). Available online at URL: https://www.fws.gov/media/animal-avoidance-and-minimization-measures-may-2023-0; last retrieved January 9, 2023.

U.S. Fish & Wildlife Service (USFWS). Undated website (n.d.-b). Critical Habitat Portal. Available online at URL: https://ecos.fws.gov/ecp/report/table/critical-habitat.html (portal) and https://www.arcgis.com/apps/mapviewer/index.html?url

=https://services.arcgis.com/QVENGdaPbd4LUkLV/ArcGIS/rest/services/USFWS_Critical_Habitat/FeatureServer&source=sd (map); last retrieved January 31, 2024.

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Attachment A. Project location and survey area in Kapolei, O'ahu.

Attachment B. Plant species observed on October 10, 2025 survey of project area.

Species listed by family	Common name	Status	Abundance	Notes
	FERNS AND FERN ALLIES			
MARSILEACEAE				
Nephrolepis falcata (Cav.) C. Chr. cv. *furcans*	*hi'ui'a*, fishtail fern	Orn	U	<1>
PTERIDIDEAE				
Pteris cretica	cretan fern	Nat	R	
	FLOWERING PLANTS DICOTYLEDONES			
ACANTHACEAE				
Barleria repens C. Nees	pink-ruellia	Orn	U	<1>
AMARANTHACEAE				
Amaranthus spinosus (L.)	spiny amaranth, *pakai kukū*	Nat	U	
Atriplex muelleri Benth.	saltbush	Nat	R	
ASTERACEAE (COMPOSITAE)				
Bidens alba L.	*kī*	Nat	O	
Eclipta prostrata (L.)	false daisy	Nat	U	
Pluchia carolinensis (Jacq.) G. Don	sourbush	Nat	O	
Sigesbeckia orientalis L.	small yellow crown-beard	Nat	R	<2>
Sonchus oleraceus L.	sow thistle	Nat	U	
Tridax procumbens L.	coat buttons	Nat	U	
Thymophylla tenuiloba (DC.) Small	Dahlberg daisy	Nat	U	
Verbesina encelioides (Cav.) Benth. & Hook.	golden crown-beard	Nat	R	
BORAGINACEAE				
Euploca procumbens (Nutt)	fourspike heliotrope	Nat	O	
CACTACEAE				
Hylocereus undatus (Haw.) Britton & Rose	night-blooming cereus	Nat	R	<1>
CONVOLVULACEAE				
Ipomoea obscura (L.) Ker-Gawl	---	Nat	U	
Ipomoea triloba (L.)	little bell	Nat	U	
Merremia aegyptica (L.) Urb.	hairy merremia	Nat	R	
CUCURBITACEAE				
Coccinia grandis (L.) Voigt	ivy gourd	Nat	U	
Cucumus dispsaceus Ehrenb. ex Spach	teasel gourd	Nat	R	

Attachment B (continued)

Species listed by family	Common name	Status	Abundance	Notes
EUPHORBIACEAE				
Euphorbia hirta (*L.*)	garden spurge	Nat	R	
Euphorbia hypericifolia (*L.*)	graceful spurge	Nat	R	
Ricinus communis (L.)	castor bean, castor oil plant	Nat	R	
FABACEAE				
Acacia farnesiana (L.) Willd.	*klu*	Nat	R	
Cassia x*nealiae* H.S. Irwin & Barneby	shower tree	Orn	U	<1, 2>
Crotaslaria cf. *pallida* Aiton	rattlepod	Nat	R	<2>
Desmanthus pernambucanus (L.) Thellung	virgate mimosa	Nat	U	
Indigophera spicata Forssk.	creeping indigo	Nat	U	
Neonotonia wightii (Wight & Arnott) Lackey	glycine vine	Nat	Oc	
Leucaena leucocephala (Lam.) deWit	*koa haole*	Nat	C	
Macroptilium atropurpureum (DC.) Urb.	---	Nat	U	
Pithecelobium dulce (Roxb.) Benth.	*'opiuma*	Nat	O	
Pithecelobium saman (Jacq.) Merr.	monkey pod	Nat	C	
Prosopis pallida (Humb. & Bonpl. ex Willd.) Kunth	*kiawe*	Nat	U	
LAMIACEAE				
Leonotis nepetifolia (L.) R. Br.	lion's ear	Nat	R	
MALVACEAE				
Abutilon grandifolium (Willd.) Sweet	hairy Indian mallow	Nat	U	
Malvastrum coromandelianum (L.) Garcke	false mallow	Nat	R	
Sida ciliaris (L.)	---	Nat	A	
Sida spinosa (L.)	prickly sida	Nat	R	
Waltheria indica (L.)	*'uhaloa*	**Ind**	C	
NYCTAGINACEAE				
Boerhavia coccinea Mill.	scarlet boerhavia	Nat	C	
PASSIFLORACEAE				
Passiflora foetida (L.)	love-in-a-mist	Nat	U	
PORTULACACEAE				
Portulaca oleracea (L.)	pigweed	Nat	R	

Attachment B (continued)

Species listed by family	Common name	Status	Abundance	Notes
SAPINDACEAE				
Harpullia pendula Planch. ex F.Muell.	black tulipwood	Orn	p	<1>
SCROPHULARIACEAE				
Bacopa monnieri (L.) Pennell	*ʻaeʻae*	**Ind**	R	
SOLANACEAE				
Datura stramonium (L.)	jimson weed	Nat	R	
Nicotiana glauca R. C. Graham	tree tobacco	Nat	R	<2>
FLOWERING PLANTS				
MONOCOTYLEDONES				
ARECACEAE				
Livistonia chinensis (Jacq.) R. Br. ex Mart.	Chinese fan palm	Nat	R	
CYPERACEAE				
Cyperus involucratus Rottb.	umbrella sedge	Nat	R	
Cyperus polystachyos Rottb.	manyspike flatsedge	Ind	R	
Cyperus rotundus L.	nut grass	Nat	U	
Kylinga brevifolia Rottb.	---	Nat	R	
Kylinga mindorensis Steud.	---	Nat	R	
POACEAE				
Bothriochloa pertusa (L.) A. Camus	pitted beardgrass	Nat	O	
Cenchrus ciliaris L.	buffelgrass	Nat	A	
Cenchrus echinatus L.	sand bur	Nat	R	
Chloris barbata (L.) Sw.	swollen fingergrass	Nat	O	
Cynodon dactylon (L.) Pers.	Bermuda grass	Nat	U	
Dactyloctenium aegyptium (L.) Willd.	beach wiregrass	Nat	U	
Diplachne fusca (L.) Stapf	sprangletop	Nat	R	
Eleusine indica (L.) Gaertn.	wiregrass	Nat	U	
Eragrostis pectinacea (Michx.) Nees	Carolina lovegrass	Nat	R	
Megathyrsus maximus (Jacq.) B.K. Simon & W.L. Jacobs	Guinea grass	Nat	O	
Melinus repens (Willd.) Zizka	Natal redtop	Nat	U	
TYPHACEAE				
Typha latifolia L.	cattail	Nat	R	

Legend to Table

STATUS = distributional status for the Hawaiian Islands:

Ind = indigenous; native to Hawaii, but not unique to the Hawaiian Islands.

Nat = naturalized, exotic, plant introduced to the Hawaiian Islands since the arrival of Cook Expedition in 1778, and well-established outside of cultivation.

Orn = A cultivated plant; a species not thought to be naturalized (spreading on its own) in Hawaiʻi.

Attachment B (continued)

ABUNDANCE = occurrence ratings for plant species:

R – Rare	seen in only one or perhaps two locations.
U - Uncommon	seen at most in several locations
O - Occasional	seen with some regularity
C - Common	observed numerous times during the survey
A - Abundant	found in large numbers; may be locally dominant.

NOTES: <1> – Landscape or garden planting.
<2> – Plant lacking key diagnostic characteristics (flower, fruit); identification, therefore, uncertain.

Attachment C. Avian species detected during the October 10, 2025 survey of project area.

ORDER FAMILY *Species*	**Common Name**	**Status**
CHARADRIIFORMES		
RECURVIROSTRIDAE		
Himantopus mexicanus knudseni	Hawaiian Stilt	**EN**
COLUMBIFORMES		
PHASIANIDAE		
Gallus gallus	Red Junglefowl	NN
COLUMBIFORMES		
COLUMBIDAE		
Streptopelia chinensis	Spotted Dove	NN
Geopelia striata	Zebra Dove	NN
PELECANIFORMES		
ARDEIDAE		
Bubulcus ibis	Cattle Egret	NN
PASSERIFORMES		
PYCNONOTIDAE		
Pycnonotus cafer	Red-vented Bulbul	NN
STURNIDAE		
Acridotheres tristis	Common Myna	NN
THRAUPIDAE		
Paroaria coronata	Red-crested Cardinal	NN
FRINGILLIDAE		
Haemorhous mexicanus	House Finch	NN
Sicalis flaveola	Saffron Finch	NN
ESTRILDIDAE		
Spermestes cucullata	Bronze Mannikin	NN

Legend to Attachment B

Status = distributional status for the Hawaiian Islands:

EN = Endemic species.

NN = Naturalized alien species.

Appendix 9

Draft Archaeological Literature Review and Field Inspection (ALRFI) by Cultural Surveys Hawai'i, October 2025

Archaeological Literature Review and Field Inspection to Support Consultation with SHPD for the Kapolei Parkway Lots 2–5 Project, Honouliuli Ahupua‘a, ‘Ewa District, O‘ahu, TMK: (1) 9-1-160:064 por.

Prepared for
Kobayashi Group LLC

Prepared by
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and
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Cultural Surveys Hawai‘i, Inc.
Kailua, Hawai‘i
(Job Code: HONOULIULI 228)

October 2025

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Management Summary

Reference	Archaeological Literature Review and Field Inspection to Support Consultation with SHPD for the Kapolei Parkway Lots 2–5 Project, Honouliuli Ahupua‘a, ‘Ewa District, O‘ahu, TMK: (1) 9-1-160:064 por. (Shideler and Farley 2025)
Date	October 2025
Project Number	Cultural Surveys Hawai‘i, Inc. (CSH), Job Code: HONOULIULI 228
Investigation Permit Number	CSH completed the fieldwork component of this study under archaeological fieldwork permit number 25-04, issued by the Hawai‘i State Historic Preservation Division (SHPD) per Hawai‘i Administrative Rules (HAR) §13-282.
Agencies	SHPD; the City and County of Honolulu Department of Housing and Land Management (DHLM), who is leasing the land; the Hawai‘i Housing Finance & Development Corporation (HHFDC), who is providing the Low-Income Housing Tax Credit (LIHTC), Hula Mae Bond, and Rental Housing Revolving Funds (RHRF); and the City and County of Honolulu Department of Planning and Permitting (DPP), who will be providing fee waivers, exemptions, and permitting.
Project Land Jurisdiction	City and County of Honolulu
Project Funding	This project is a joint public/private project. The Kobayashi Group and Ahe Group will provide pre-construction equity. The project will be seeking HHFDC LIHTC, Hula Mae Bond financing, and RHRF. DHLM will be advising on the Hula Mae Bond issuance for the Honolulu allocation.
Project Proponent	Kobayashi Group, Ahe Group, and DHLM
Project Location	The project area is located in southwest Kapolei town in Honouliuli Ahupua‘a, ‘Ewa District, southwest O‘ahu, TMK: (1) 9-1-160:064 por. The project area is adjacent and parallel to the south side of Kapolei Parkway and consists of two adjacent rectangular areas comprising an eastern area bounded by Kama‘aha Avenue on the west and Wākea Street on the east, and a western area bounded by Kama‘aha Avenue on the east and including a seaward extension of Kealakapu Street on the west. For general locational reference, the project area is approximately 300 m south of the Kākuhihewa Kapolei State Office Building housing the SHPD (Figure 1). The project area is depicted on a portion of the 2017 Ewa U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle (see Figure 1), a tax map key (TMK) plat map (Figure 2), and a 2023 aerial photograph (Figure 3).

	Oblique aerial views of the Kapolei Parkway Lots 2–5 project area are provided looking west (Figure 4) and east (Figure 5).
Built Environment	As documented during the 6 October 2025 field inspection by7 CSH (see Figure 29 through Figure 58), the project area includes two adjacent, roughly rectangular-shaped lots separated by Kama'aha Avenue. In general terms, the lots are bounded by chain-link fences with some internal chain-link fences. The western edge of the project area, approximating a seaward extension of Kealakapu Street, appears to extend significantly west (outside) of the fenced enclosure. The project area has had massive recent ground disturbance (still actively being carried out by the City and County at the time of the field inspection). The immediate vicinity of the project area is being rapidly transformed from fallow former sugarcane land into housing developments and road and other supporting infrastructure. Even the 2017 USGS map (see Figure 1) does not depict the recent development of Kapolei Parkway on the north side of the project area, the development of Wākea Street on the east side of the project area, the development of Kama'aha Avenue bisecting the project area, and the massive quite recent development of housing along Kakala Street, Alohikea Street, southern Kama'aha Street, and Kauwela Street (as shown on a 2023 aerial photograph, see Figure 3). Based on a review of aerial photographs (see Figure 24 and Figure 25) and field observations made during a 6 October 2025 field inspection (see in particular Figure 57 and Figure 58), significant mining of limestone bedrock (on the order of 100,000 cubic m removed) appears to have occurred within the project area in the last ca. 15 years. Large retention basins have been developed in both sides of the project area; the west portion of the project area is almost completely in two large roughed-out drainage basins. An elevated pad has been constructed in the southeast portion of the project area, which is understood to be the locus of the proposed housing development.
Natural Environment	The project area is approximately 3.0 km (1.9 miles) inland from the south coast of southeastern O'ahu at Kualaka'i and is approximately 4.0 km (2.5 miles) inland from the west coast at Ko'olina (see Figure 7). The project area lies at an elevation of approximately 15 to 18 m (50–60 feet [ft]) above sea level. Annual rainfall averages approximately 551 mm (21.7 inches) (Giambelluca et al. 2013), which is insufficient for non-irrigated agriculture. The nearest perennial stream is Honouliuli, Stream approximately 6.0 km to the northeast, but adjacent gulches (Awanui Gulch and Makakilo Gulch, see Figure 7) flow occasionally during winter months. Historical maps from 1825 (see Figure 9) and 1899 (see Figure 10) indicate that there was a pond quite close to the project area.

According to the U.S. Department of Agriculture (USDA) Soil Survey Geographic (SSURGO) database (2001) and soil survey data gathered by Foote et al. (1972), the project area's soils (Figure 6) consist primarily of Mamala stony silty clay loam, 0 to 12% slopes (MnC), with a central area of Honouliuli clay, 0 to 2% slopes (HxA). The Mamala Series is described as follows:

> This series consists of shallow, well-drained soils along the coastal plains on the islands of Oahu and Kauai. These soils formed in alluvium deposited over coral limestone and consolidated calcareous sand [...]
>
> These soils are used for sugarcane, truck crops, orchards, and pasture. The natural vegetation consists of kiawe, koa haole, bristly foxtail, and swollen fingergrass. [Foote et al. 1972:93]

MnC soils are further described as: "Permeability is moderate. Runoff is very slow to medium, and the erosion hazard is slight to moderate [...] The depth to coral limestone ranges from 8 to 20 Inches" (Foote et al. 1972:93).

The Honouliuli Series is described as follows:

> This series consists of well-drained soils on coastal plains on the island of Oahu in the Ewa area. These soils developed in alluvium derived from basic igneous material [...]
>
> These soils are used for sugarcane, truck crops, orchards, and pasture. The natural vegetation consists of kiawe, koa haole, bristly foxtail, and swollen bermudagrass. [Foote et al. 1972:43]

HxA soils are further described as: "Permeability is moderately slow. Runoff is slow, and the erosion hazard is no more than slight. [...] Workability is slightly difficu1t because of the very sticky and very plastic clay. The shrink-swell potential is high" (Foote et al. 1972:43). The shrink-swell potential of the HxA soils was pronounced in the field in the form of earth cracks.

During the field inspection, the majority of the heavily graded project area was observed to be covered with raised reef limestone calcareous soil/sediment and angular limestone pebbles. A few exposures of in-situ raised reef limestone bedrock were observed (see Figure 42). The compact nature and absence of small voids in the raised reef limestone observed suggests a likely lack of pit caves in the vicinity, which is supported by archaeological observations in neighboring study areas.

The vast majority of the project area appears to be freshly graded and lacks vegetation. What vegetation there is consists primarily of sparse exotic grasses and weeds with some native *uhaloa* (*Waltheria indica*) and some exotic *koa haole* (*Leucaena leucocephala*), *klu* (*Acacia farnesiana*), and *opiuma* (*Pithecellobium dulce*) trees.

Project Description and Ground Disturbance	The proposed project involves the construction of affordable housing and adjacent portions of Kealakapu Street to City standards. The Kobayashi Group and Ahe Group will have a long-term lease (75 years) of Lots 2–5 and will manage the affordable housing project during its construction and use. The roadway extension of Kealakapu Street will be constructed by the Kobayashi Group/Ahe Group and will continue to be owned by the City. The property will be filled, and ground-disturbing activities will include excavations for utility installation and building footings/foundations. The proposed housing will include two- to four-story buildings with approximately 800 (+ or – 60 units) affordable rental units consisting of one- to four-bedroom apartments. Rents will be targeted to families that average 60% Area Median Income (AMI) and below. The development will also include recreation and laundry facilities, a park, and parking lots. A preschool may also be included within the development.
Project Acreage	The project area is approximately 15.2 acres (6.15 hectares).
Historic Preservation Regulatory Context	Although this is a joint public/private project, because the land is owned by the City and County of Honolulu, and City and County earthmoving was actively underway at the time of the field inspection (6 October 2025), this is understood as a "governmental" project needing review under Hawai'i Revised Statutes (HRS) §6E-8 and HAR §13-275. HRS §6E-8 compliance will likely be triggered by HHFDC approvals and funding. There is no federal involvement that would trigger compliance with federal historic preservation review legislation (e.g., Section 106 of the National Historic Preservation Act). This entirety of the project area was previously addressed in a Haun (1986) archaeological reconnaissance study for 1,400 acres entitled *Preliminary Archaeological Reconnaissance Survey For Environmental Assessment (BA) Ewa Town Center /Secondary Urban Center.* No archaeological historic properties were identified in the current project area. The Haun (1986a) study has been regarded as a sufficient archaeological study for the majority of the development within Kapolei—the "Secondary Urban Center"—and was referenced directly or indirectly in a number of formal SHPD reviews, including the following: 1. Ralston H. Nagata to Roger C. Evans, dated 28 January 1987, entitled: *Environmental Review – Secondary Urban Center in Ewa Oahu. Honouliuli, Ewa, Oahu TMK: 9-1-15, por. 4, 5, 17, 9-1-16, 1, por. 4, 6, 9, 16, 18, 24, 30; 9-2-19: por. 1* 2. Ralston H. Nagata to Roger C. Evans, dated 26 August 1987, entitled: *City and County of Honolulu Information Request Regarding LUC Boundary Petition 87-613, Campbell Estate, Honouliuli, Ewa, Oahu TMK: 9-1-15, por. 4, 9-1-16, 1, por. 4, 6, por. 9, 16, 18, 24, and 30; 9-2-03: por. 2; 9-2-19: por. 1*

	3. Ralston H. Nagata to Roger C. Evans, dated 26 August 1987, entitled: *LUC Boundary Petition 87-613, Campbell Estate, Ag. to Urban, Implementation of Honolulu General Plan Policy for Secondary Urban Center Honouliuli, Ewa, Oahu TMK: 9-1-15, por. 4, 9-1-16, 1, por. 4, 6, por. 9, 16, 18, 24, and 30; 9-2-03: por. 2; 9-2-19: por. 1* 4. William W. Patty to Donald Clegg, dated 6 July 1988, entitled: *Final EIS, Kapolei Town Center Honouliuli, Ewa, Oahu TMK: 9-1-16, various; 9-2-19: 1; 9-2-03: 2 and 12* 5. Don Hibbard to Roger C. Evans, dated 17 February 1993, entitled: *LUC Docket No. A87-613: Motion for Incremental Districting (Kapolei City) by the Estate of James Campbell (File No. 93-384) Honouliuli, Ewa, Oahu TMK: 9-1-15: por. 4; 9-1-16 por. 1, por. 4, 5, 6, por. 9, 12, 13, por. 16, 18, por. 24, 30; ; 9-2-3: por. 2, 12; 9-2-19: por. 1* 6. P. Holly McEldowney to David Shideler, dated 26 November 2003, entitled: *Chapter 6E-42 Historic Preservation Review- Request for Written Status Clarification on Lands in Kapolei Area of Honouliuli Ahupua'a. Honouliuli, 'Ewa, O'ahu TMK: (1) 9-1-016:001, 030, 034, 121–124*
Document Purpose	This investigation was designed—through historical, cultural, and archaeological background research and a field inspection of the project area—to determine the likelihood that historic properties may be affected by the proposed project and, based on findings, to consider cultural resource management recommendations. This document is intended to facilitate the project's planning and to support the project's historic preservation review compliance. This investigation does not fulfill the requirements of an archaeological inventory survey (AIS) investigation, per HAR §13-276. This information also supports consultation with the SHPD regarding the project's necessary historic preservation review steps pursuant to HRS §6E-8 and HAR §13-275.
Background Research Methods	Background research included a review of previous archaeological studies on file at the SHPD; review of documents at Hamilton Library at the University of Hawai'i at Mānoa, the Hawai'i State Archives, the Mission Houses Museum Library, the Hawai'i Public Library, and the Bishop Museum Archives; study of historical photographs at the Hawai'i State Archives and the Bishop Museum Archives; and study of historical maps at the Survey Office of the Department of Accounting and General Services). Historical maps and photographs from the CSH library were also consulted. In addition, Māhele records were examined from the Waihona 'Aina database (Waihona 'Aina 2019). This research provided the environmental, cultural, historical, and archaeological background for the project area. Historical maps and aerial photographs (Figure 7 through Figure 25) provide a cultural context and

	chronology of the changing landscape of the project area and surrounding vicinity.
Traditional and Historical Background	Honouliuli Ahupua'a had tremendous and varied resources available for exploitation by early Hawaiians. The long coastline fronting the calm waters of leeward O'ahu offered rich marine resources, while Honouliuli Valley offered rich alluvial deposits with plentiful water for irrigation from streams and springs. The upland forest zone produced a variety of species, including *kukui* (*Aleurites moluccana*), *'ōhia* (*Metrosideros polymorpha*), *'iliahi* (sandalwood; *Santalum ellipticum*), *hau* (*Hibiscus tiliaceus*), *tī* (*Cordyline fruticosa*), and banana (*Musa* spp.). The broad limestone plain, with numerous sinkholes, offered a nesting place for a large population of avifauna—a resource that may have been one of the early attractions for human settlement (Tulchin and Hammatt 2009:10). The political and cultural center of the *ahupua'a* (traditional land division) is understood to have been the relatively dense settlement and rich lands for irrigated taro cultivation at the *'ili* (traditional land division smaller than an *ahupua'a*) of Honouliuli, where Honouliuli Stream empties into the north portion of West Loch, approximately 6.0 km northeast of the current project area (see Figure 7 and Figure 9). Pu'uokapolei, approximately 1.0 km northeast of the current project area, was one of the most sacred places in Honouliuli (Sterling and Summers 1978:33) (see Figure 7). McAllister (1933:108) records that a *heiau*, or temple, was constructed on Pu'uokapolei (Site 138, see Figure 28); however, it was destroyed prior to his survey in the early 1930s. The *heiau* may have been associated with the sun (Fornander 1920:3:292). The hill was used as a point of solar reference or as a place where such observations were made. Pu'uokapolei was also the primary landmark for travelers between Pearl Harbor and the west O'ahu coast, with a main trail running just inland of it ('Ī'ī 1959:27, 29) (see Figure 7 through Figure 9). Hawaiian legends and early historical accounts indicate the *ahupua'a* of Honouliuli was once widely inhabited by pre-Contact Hawaiian populations, including the *ali'i* (chiefly class). This substantial population was supported by the plentiful marine and estuarine resources available at the coast. Other attractive subsistence-related features of the *ahupua'a* included irrigated lowlands suitable for wetland taro cultivation (Hammatt and Shideler 1990), as well as the lower forest area of the mountain slopes for the procurement of forest goods; however, the presence of archaeological sites along the coral plains and coast of southwest Honouliuli indicates pre- and early post-Contact populations also adapted to less inviting areas, despite the environmental hardships. It is worth noting an 1825 map indicates a "Freshwater Pond" in the immediate vicinity of the current project area (see Figure 9); however, this map appears to be fairly schematic. An 1899 Beasley map of O'ahu (see Figure 10) provides a more detailed, close-up view of the project area and

	surrounding vicinity and indicates the pond was just south of the central portion of the project area. It is through Land Commission records generated during the mid-nineteenth century Māhele that the first specific documentation of life in Honouliuli Ahupua'a, as it had evolved up to that time, comes to light. Although 99 *kuleana* (native tenant) land claims were awarded in Honouliuli, none were in the vicinity of the current project area (Indices of Awards 1929). The vast majority were near the Pu'uloa Salt Works and the taro lands of the *'ili* of Honouliuli, well east of the current project area. The largest award (Royal Patent 6071, Land Commission Award 11216, 'Āpana [lot] 8) granted in Honouliuli Ahupua'a was to Miriam Ke'ahi-Kuni Kekau'onohi in January 1848 (Native Register 1847). Kekau'onohi acquired a deed to all unclaimed land within the *ahupua'a*, totaling 43,250 acres. Kekau'onohi was one of Liholiho's (Kamehameha II's) wives. After his death, she became a wife of Chief Levi Ha'alelea. Upon her death in 1851, her property passed to her husband and his heirs. When Levi Ha'alelea died, the property went to his surviving wife, who in turn leased it to James Dowsett and John Meek in 1871 for stock running and grazing. In 1877, James Campbell purchased most of Honouliuli Ahupua'a for $95,000. He drove off 32,347 head of cattle belonging to Dowsett, Meek, and James Robinson and constructed a fence around the outer boundary of his property (Bordner and Silva 1983:C-12). In 1879, Campbell brought in a well-driller from California to search the 'Ewa plains for water, and a "vast pure water reserve" was discovered (Armstrong 1937). Following this discovery, plantation developers and ranchers drilled numerous wells in search of the valuable resource. By 1881, the Campbell property at Honouliuli prospered as a cattle ranch with "abundant pasturage of various kinds" (Briggs 1926). In 1889, Campbell leased his property to Benjamin Dillingham, who subsequently formed the Oahu Railway & Land Company (OR&L) in 1890. The OR&L passed approximately 0.5 km south of the current project area (see Figure 10 through Figure 15). To attract business to his new railroad system, Dillingham subleased all land below 200 ft elevation to William Castle, who in turn sublet the area to the Ewa Plantation Company for sugarcane cultivation (Frierson 1972:15). The Ewa Plantation Company was first incorporated in 1890 and was largely self-sufficient until it merged with the Oahu Sugar Company in 1970, continuing operations into the 1990s. Historical maps indicate the current project area was within the Ewa Plantation, within Fields 12.1, 12.2, 12.3, and 15.1 (see Figure 15). Historical maps also indicate significant plantation infrastructure development in the vicinity of the project area, including a plantation railroad approximately 0.2 km north of the project area (see Figure 10 and Figure 12 through Figure 16).

	The 1919 U.S. Army map (see Figure 12) depicts a meandering fence line crossing the project area, which is understood to reflect the continuance of animal grazing (south of the fence line) to that date. Starting in the late 1920s (see Figure 13), there is documentation of a plantation flume crossing the east portion of the project area and seemingly drainage improvements, as with boulder reinforcing of a straightened drainageway crossing the eastern portion of the project area. The "flume" is still called out as late as 1943 (see Figure 16), but by 1953 (see Figure 18) this irrigation water conveyance has been replaced by a pipe. Also from 1953 (see Figure 18), there is an unimproved road adjacent to the east side of a drainage crossing the central portion of the project area. This unimproved road is depicted crossing the project area until 1968 (see Figure 20) but is no longer depicted in 1998 (see Figure 22). Major land use changes came to western Honouliuli when the U.S. Military began development in the area. Military installations were constructed near the coast and in the foothills and upland areas. Naval Air Station Barbers Point, in operation from 1942 until the 1990s, was the largest and most significant base built in the area; it is approximately 0.5 km south of the current project area (see Figure 16, Figure 18, and Figure 21). It housed numerous naval and defense organizations, including maritime surveillance and anti-submarine warfare aircraft squadrons, a U.S. Coast Guard Air Station, and the U.S. Pacific Fleet. Fort Barrette (a.k.a. Kapolei Military Reservation and Battery Hatch), atop Pu'uokapolei approximately 0.6 km north of the current project area, was in use 1931–1948, housing four 3-inch anti-aircraft batteries (Payette 2003). In the 1950s, the site was used as a Nike missile base. However, based on available maps and aerial photographs, as well as prior archaeological studies, there is no evidence for military land use within the current project area. A series of aerial photographs (see Figure 17, Figure 19, Figure 20, and Figure 23 through Figure 25) indicate the project area remained in intensive sugarcane cultivation until after 1968. The Ewa Plantation Company operated for 80 years (1890–1970) and was sold to Oahu Sugar Company, which continued operations until 1994 (Dorrance and Morgan 2000:41,46).
Summary of Prior Archaeological Studies in the Vicinity	Previous archaeological studies in the vicinity of the project area are presented in Figure 26 and are summarized in Table 1. Historic properties previously identified in the vicinity are presented in Figure 28 and are summarized in Table 2. They are discussed below. One prior archaeological study (Haun 1986) has been conducted within the current project area, and three studies (Oshima 1975, Dagher and Spear 2009, and Farley and McDermott 2020) are adjacent to the current project; none of these investigations included subsurface testing. No historic properties have

	been identified previously within the project area or within approximately 250 m. Haun (1986) conducted an archaeological reconnaissance survey of a 1,400-acre parcel in Makakilo/Kapolei, which included the current project area (see Figure 27). Two potential historic properties, an irrigation ditch and a World War II military structure, were identified; however, both are well outside the current project area. Haun (1986:3) noted the following: > [...] the area has been extensively modified in recent times, primarily by sugarcane cultivation. Oahu Sugar Company, Limited currently [as of 1986] cultivates all of the project area situated on the seaward side of Farrington Highway and the H-1 Freeway [including the current project area] [...]. This cultivation has involved extensive grading as evidenced by several large piles of boulders [...]. In addition, Haun (1986) noted two previously identified historic properties, which are in the general vicinity of the current project area. State Inventory of Historic Places (SIHP) # 50-80-12-09714, the OR&L right-of-way, is approximately 0.25 km south of the current project area. The second is SIHP # 50-80-12-00138, Pu'u Kapolei Heiau (McAllister's Site 138), formerly on the slopes of Pu'uokapolei approximately 0.8 km northeast of the current project area; however, this *heiau* was destroyed by the time of McAllister's survey in the early 1930s. The Oshima (1975) "walk-through reconnaissance" study for a proposed drainage channel may have included the northwest corner of the current project area within their 400-ft wide corridor, but this was "entirely within sugarcane fields" (Oshima 1975:1). No archaeological historic properties were reported in this area. The Farley and McDermott (2020:9) study of an 11.3-acre study area east-adjacent to the current project area identified no historic properties and concluded that: "As the project area was in sugarcane cultivation for approximately a century, any evidence of traditional Hawaiian activity that may have once existed was likely destroyed long ago." Dagher and Spear (2009) conducted an archaeological literature review and field inspection along Kapolei Parkway that extended to the northeast corner of the current project area; no historic properties were identified. Dagher and Spear (2009:15) reported the following: > [...] adjacent areas outside the project corridor on both [...] sides are currently under agriculture. No evidence of flumes, ditches, or other historic or cultural materials was visible on the ground surface either in the roadway corridor or the adjacent portions

	[…] the entire road corridor area has been grubbed, graded, and filled […]. No further archaeological work was recommended. In addition to SIHP #s -00138 and -09714 noted by Haun (1986), a third historic property has been identified in the general vicinity of the current project area: SIHP # 50-80-12-05919, Fort Barrette structural remnants. Approximately 0.6 km northeast of the current project area, these remnants include magazines, pillboxes, gun emplacements, an engine shed, terraces, an electric substation, a power plant, a platform, a mound, a petroglyph, a latrine, retaining walls, and other buildings/structures (Ostroff et al. 2001).
Background Summary and Predictive Model	Background research suggests the project area was not heavily utilized by Native Hawaiians during the pre- and early post-Contact periods, as evidenced by the lack of *kuleana* land claims in the vicinity (the vast majority were in the *'ili* of Honouliuli, approximately 6 km northeast of the current project area). Furthermore, any evidence of Native Hawaiian land use likely would have been destroyed by subsequent activities related to commercial sugarcane agriculture, as evidenced by historical maps, as well as historical and more recent aerial photographs. The only prior archaeological study within the current project area—a reconnaissance survey by Haun (1986)—failed to identify any potential historic properties within or in the immediate vicinity of the current project area. Haun (1986:3) noted the area had been "extensively modified in recent times, primarily by sugarcane cultivation," which involved "extensive grading."
Field Inspection Methods	CSH archaeologists David W. Shideler, M.A., and Chemp Carpenter, B.A., conducted the field inspection on 6 October 2025. The field inspection took approximately 1.8 person-days to complete. A tracklog for one of the two archaeologists is provided in Figure 29, which includes a key to the following photographs (Figure 30 through Figure 58) indicating the general location from which the photograph was taken and approximate orientation.
Field Inspection Results	No surface historic properties were identified in the project area, and the conclusion during the fieldwork was that no subsurface historic properties are likely to exist. The photographs supplied are meant to be representative of the present conditions of this relatively large (approximately 15-acre) project area in two discrete portions separated by Kama'aha Avenue. The inspection began at the northeast corner of the project area at the intersection of Kapolei Parkway and Wākea Streets and proceeded generally with transects spaced approximately 10 m apart. Views of the eastern project area are provided from the northeast corner of the east side of the project area along Wākea Street (Figure 30), the central eastern project area (see Figure 31), and of the north side of the eastern project area along Kapolei Boulevard (see Figure 32). Moving counter-clockwise, views are provided from the northwest corner of the north side along Kapolei Parkway (see Figure 33), of

	the central eastern project area (see Figure 34), and of the west side of the eastern project area along Kama'aha Avenue (see Figure 35). Views are provided from the southwest corner of the west side of the eastern project area along Kama'aha Avenue (see Figure 36), of the central eastern project area (see Figure 37), and of the south side of the eastern project area (Figure 38). Completing views from the perimeter of the eastern project area are views from the southeast corner of the eastern lot of the west side along Wākea Avenue (see Figure 39), of the central eastern project area (Figure 40), and of southern side of the eastern project area (Figure 41). A view is provided of one of the few visible exposures of in situ raised reef limestone (see Figure 42). Such exposures were examined, and the compact nature of the bedrock and absence of voids suggested that pit cave formation was unlikely in the vicinity (which is supported by the results of previous archaeological studies in the vicinity). Views are also provided (see Figure 43 and Figure 44) of the new section of Kama'aha Avenue that bisects the project area. Shifting to the western portion of the project area, views are provided from the northwest corner at the *makai* end of Kealakupu Street of the north side (see Figure 45), the central western lot (see Figure 46), and west side of the project area (see Figure 47). While most of the project area is within chain-link enclosures, the west end of the project area appears to extend significantly west of the bounding chain-link fence. Moving clockwise to the northeast corner, views are provided of the east side of the western project area along Kama'aha Avenue (see Figure 48), of the central western lot (see Figure 49), and of the north side along Kapolei Parkway (see Figure 50). Views from the southeast corner are provided of the south side of the western project area (see Figure 51), the central western lot (see Figure 52), and the east side of the western project area along Kama'aha Avenue (see Figure 53). Completing the overview, views are presented from the southwest corner to the west side of the western project area (see Figure 54), of the central western project area (see Figure 55), and of the south side of the western project area (see Figure 56). The western project area is dominated by two roughed out detention basins; views are provided of the eastern basin in Figure 57 and of the western basin in Figure 58. It was noted in the background research that a plantation irrigation flume crossed the middle of the eastern project area from at least as early as 1928 (see Figure 13). It was converted to a pipeline ca. 1953 (see Figure 18), and that this pipeline remained in use as late as 1968 (see Figure 21). No trace of this flume/pipeline infrastructure was observed during the field inspection. Similarly, it was noted that at least as early as 1928 a minor natural drainage in the central western project area appeared to have been channelized to some extent, likely with basalt boulders and cobbles, and that these minor improvements are indicated as late as 1943 (see Figure 16). No direct evidence

	of this stream channel or channelization was observed during the field inspection. A few dispersed basalt boulders and cobbles were noted in the south portion of this vicinity (basalt was notably absent in most of the project area), and these were interpreted as remnants of natural erosional deposition from this former gulch. The 1953 map shows an unimproved road on the east side of a central drainage. No traces of this drainage or road were observed in the field. As the photo documentation shows, the Kapolei Parkway Lots 2–5 project area has been radically transformed by massive grading, and no potential historic properties were identified.
Likelihood of Archaeological Historic Properties To Be Present	No historic properties have been identified previously within or in the immediate vicinity of the project area, and none were identified during the current investigation. As the project area was in sugarcane cultivation for approximately a century, any evidence of traditional Hawaiian activity that may have once existed was likely destroyed long ago. Likewise, evidence of the former plantation appears to have been destroyed by subsequent grading and grubbing activities. Hence, the potential for subsurface archaeological historic properties within the project area is evaluated as very low.
Historic Preservation Review Steps	Based on the findings of the current study, no further historic preservation review steps are warranted. If potential archaeological historic properties (including potential burial sites) are found during project construction, work should stop immediately, and the SHPD should be notified pursuant to HAR §13-280-3 (for potential non-burial site archaeological historic properties) and, if appropriate, HAR §13-300-40 (for potential human burial sites).

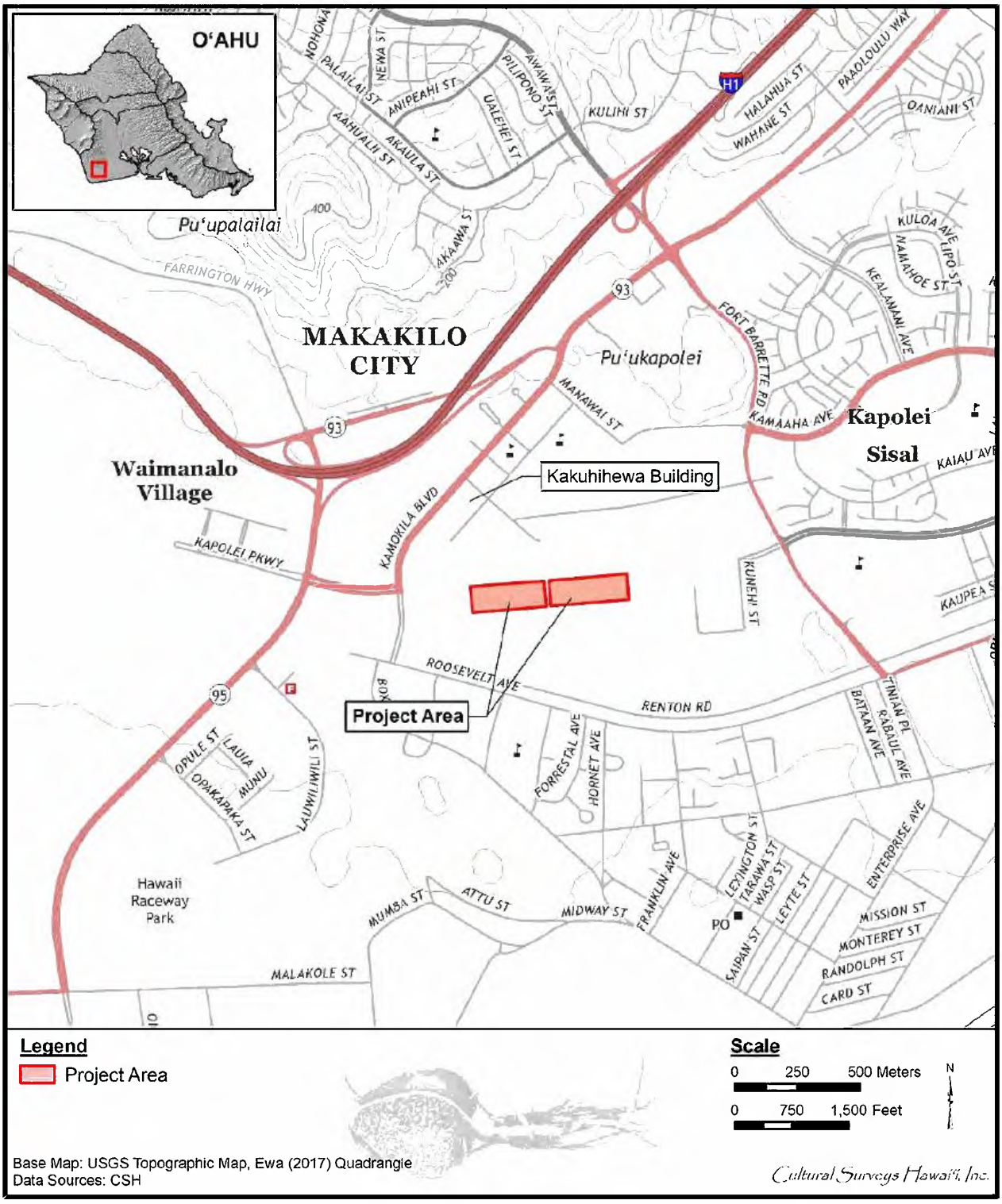


Figure 1. A portion of the 2017 Ewa USGS 7.5-minute topographic quadrangle, showing the project area; the location of the Kākuhihewa Kapolei State Office building housing SHPD is also indicated for reference

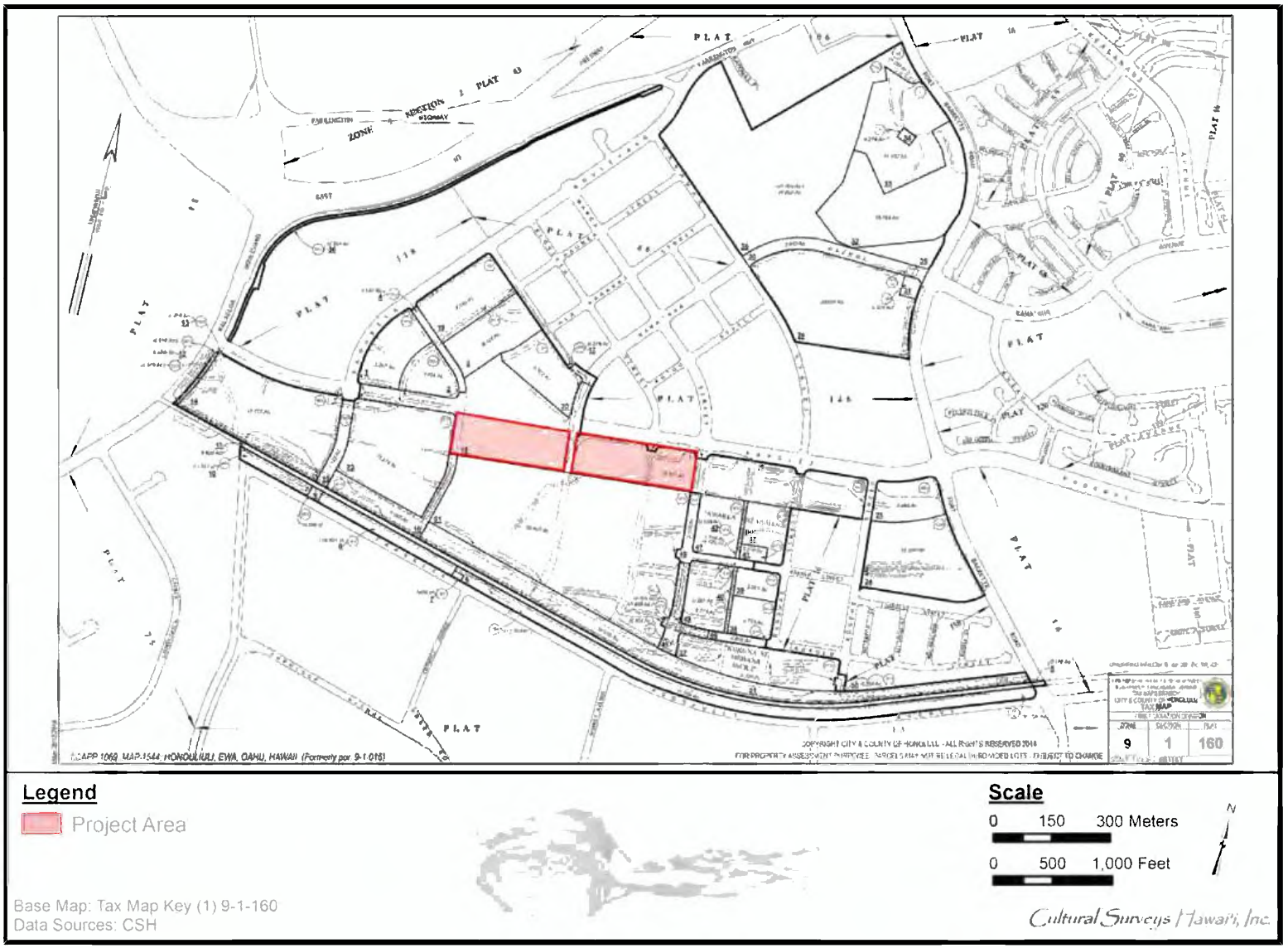


Figure 2. Tax Map Key (TMK) Plat (1) 9-1-160 showing the project area (Hawai‘i TMK Service 2025)



Figure 3. Aerial photograph (Google Earth Aerial Imagery 2023) with overlay of the project area



Figure 4. Oblique aerial view of the Kapolei Parkway Lots 2–5 project area, view to west (supplied by client)



Figure 5. Oblique aerial view of the Kapolei Parkway Lots 2–5 project area, view to east (supplied by client)

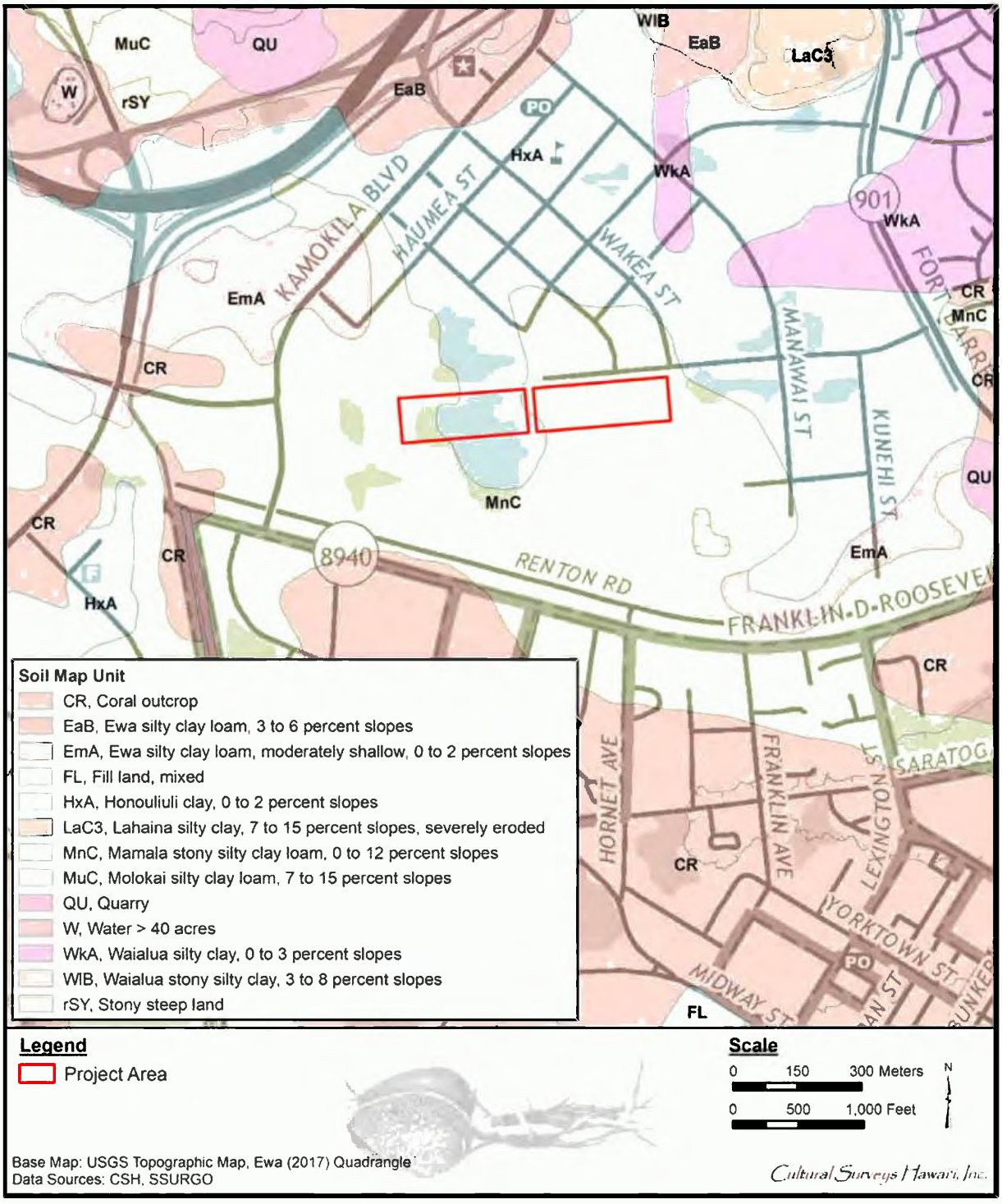


Figure 6. Portion of the 2017 Ewa USGS topographic quadrangle with overlay of *Soil Survey of the Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii* (Foote et al. 1972), indicating soil types within and surrounding the project area (USDA SSURGO 2001)

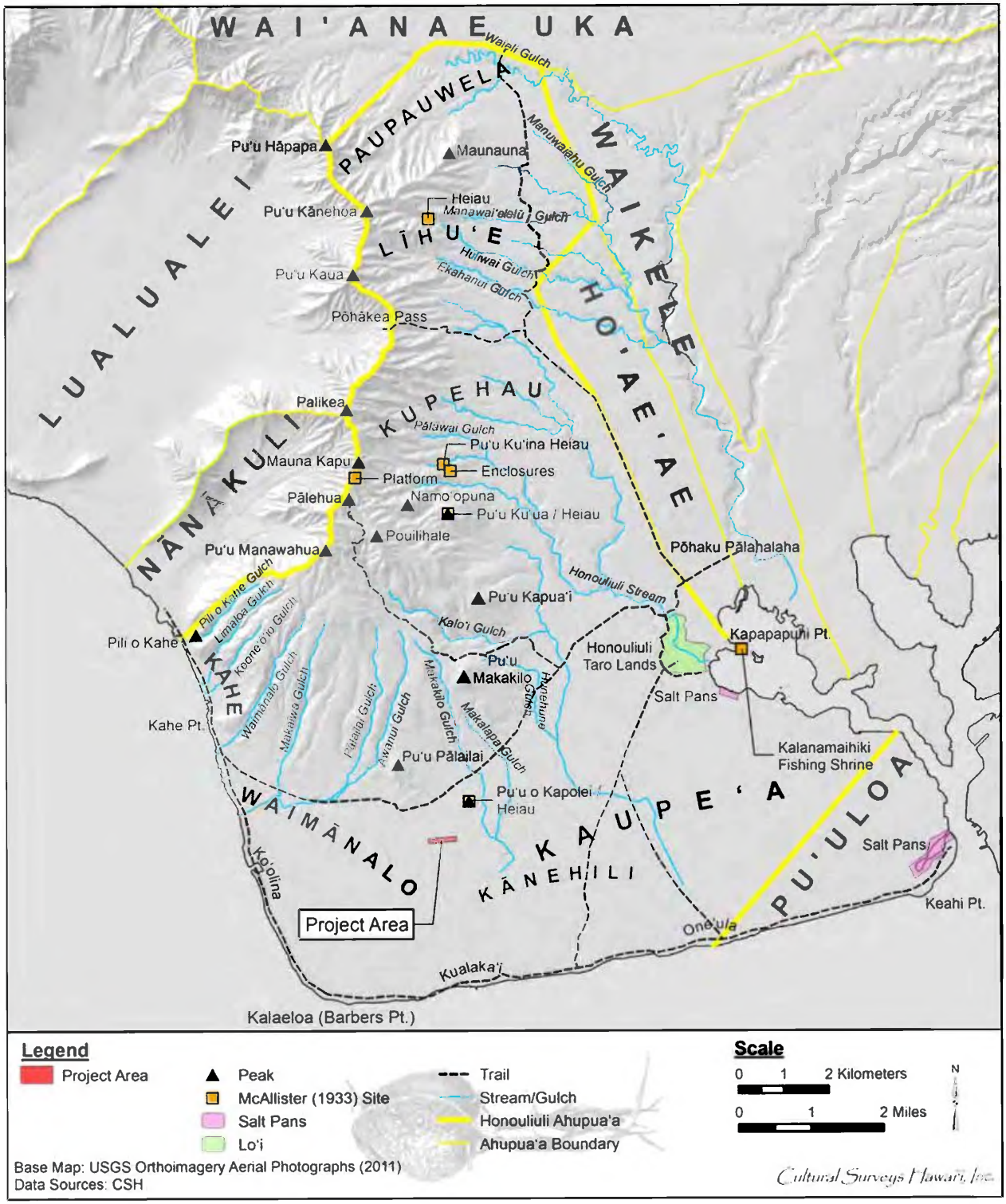


Figure 7. USGS orthoimagery aerial photographs (2011) with overlay of Honouliuli place names and the project area

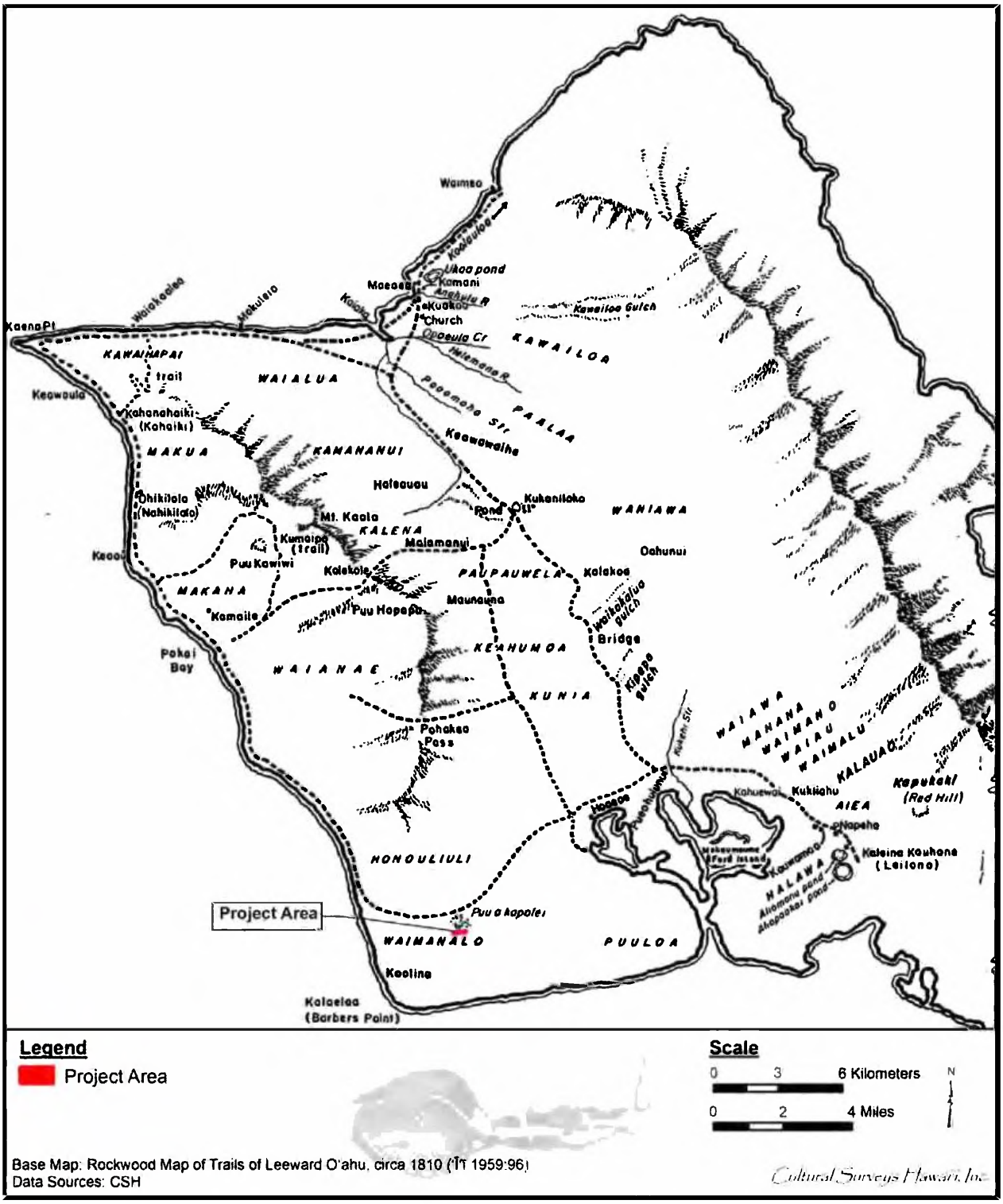


Figure 8. Rockwood map of trails of Leeward O'ahu, ca. 1810 ('Ī'ī 1959:96), showing the project area

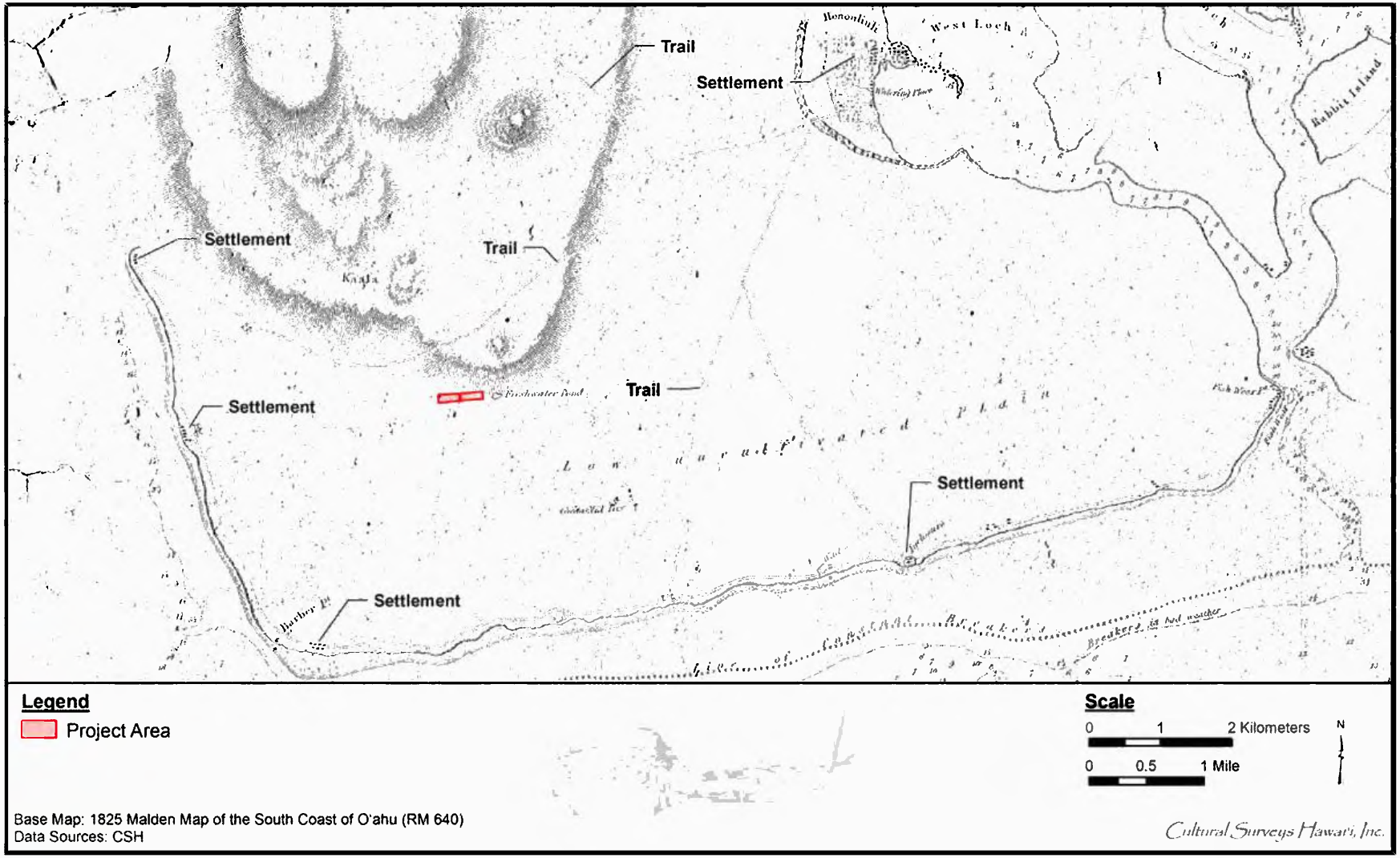


Figure 9. A portion of the 1825 Malden map of the South Coast of O'ahu (RM 640), showing a "Freshwater Pond" immediately east of the project area; however, the more detailed map in Figure 10 below indicates the pond was actually south of the project area

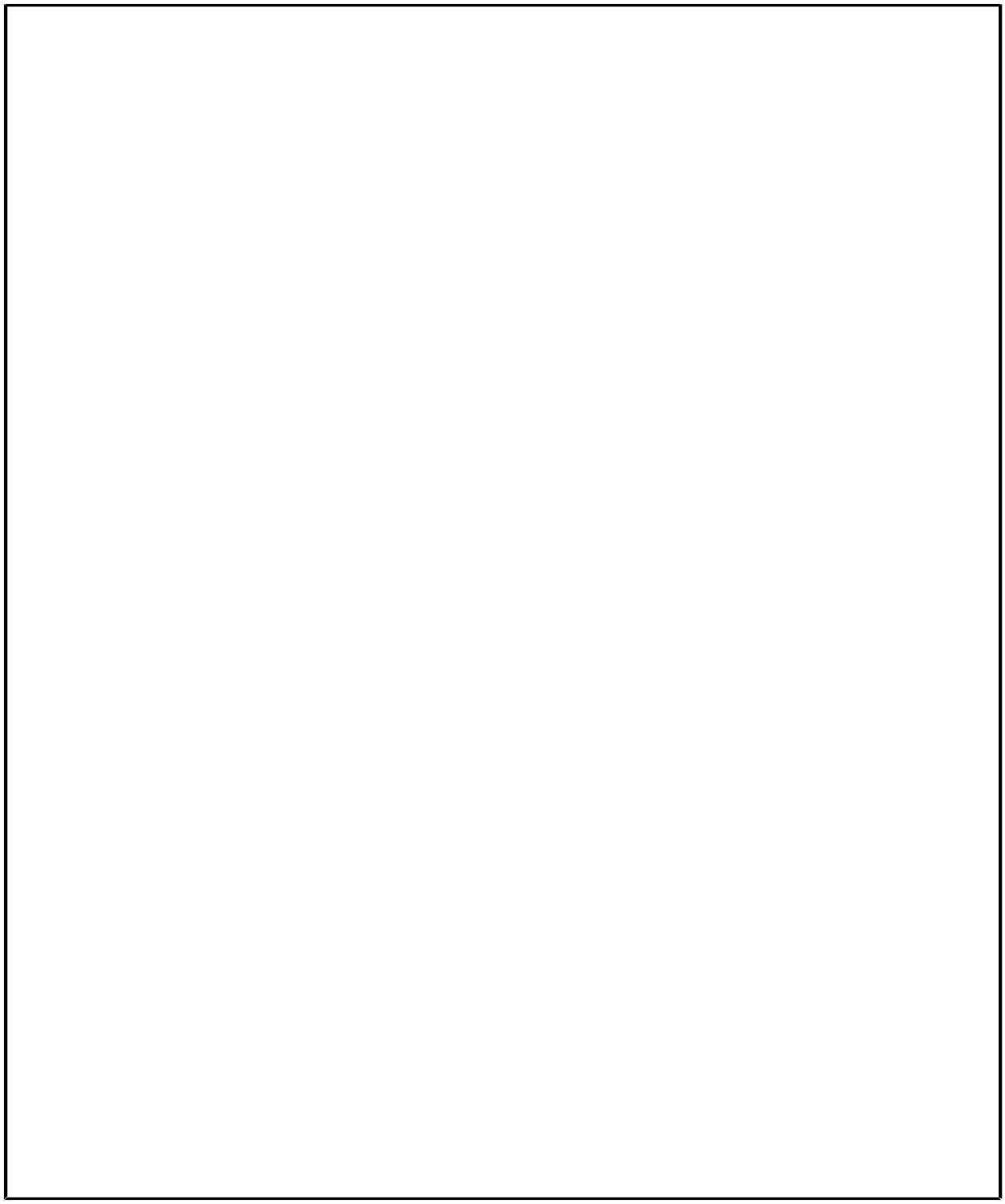


Figure 10. A portion of the 1899 Beasley map of O'ahu, showing the project area within the Ewa Plantation, a pond is indicated immediately to the south

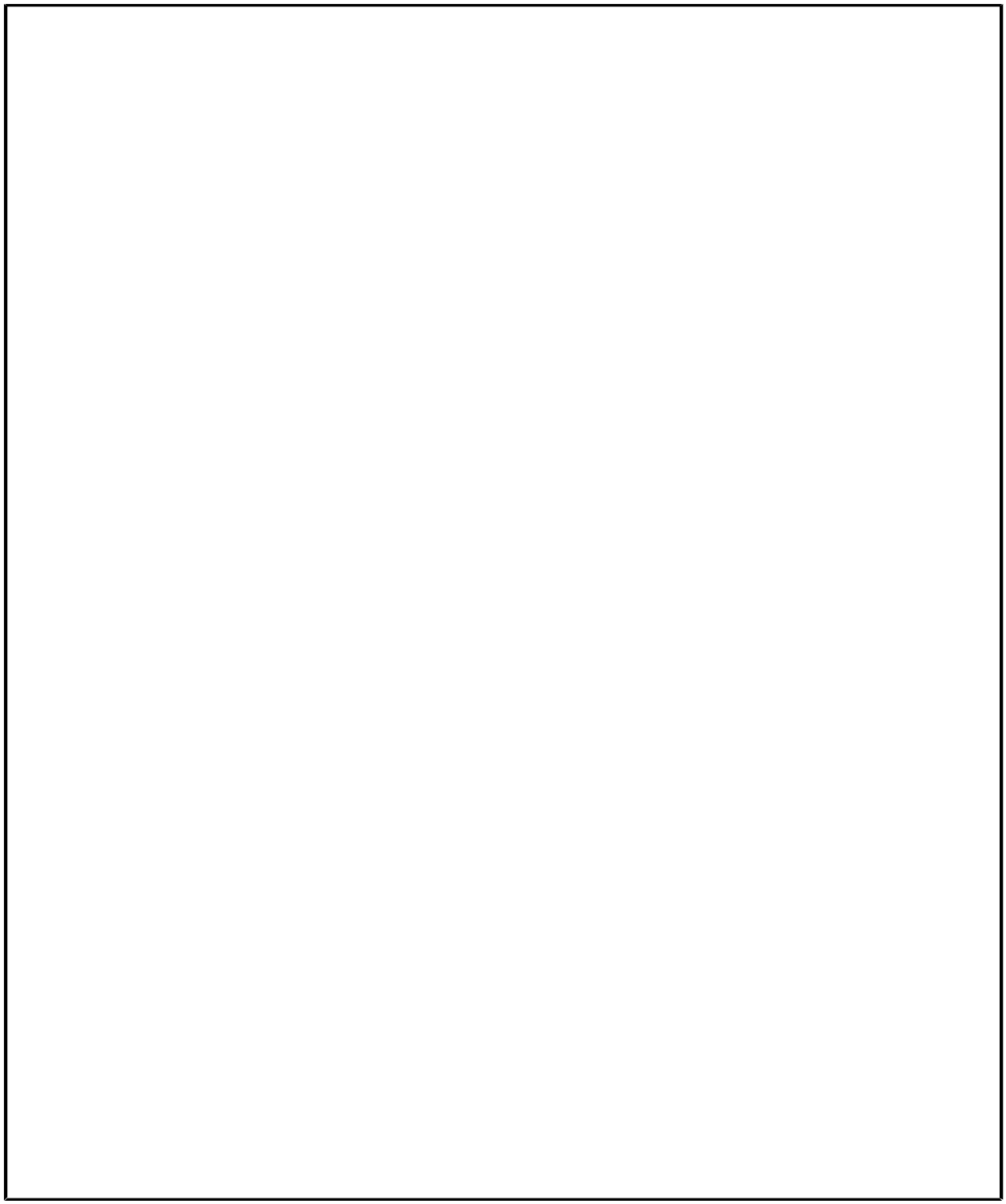


Figure 11. A portion of the 1906 Donn Hawaii Territory Survey map of O'ahu with Land Use (RM 2374), showing the project area within the Ewa Plantation lands

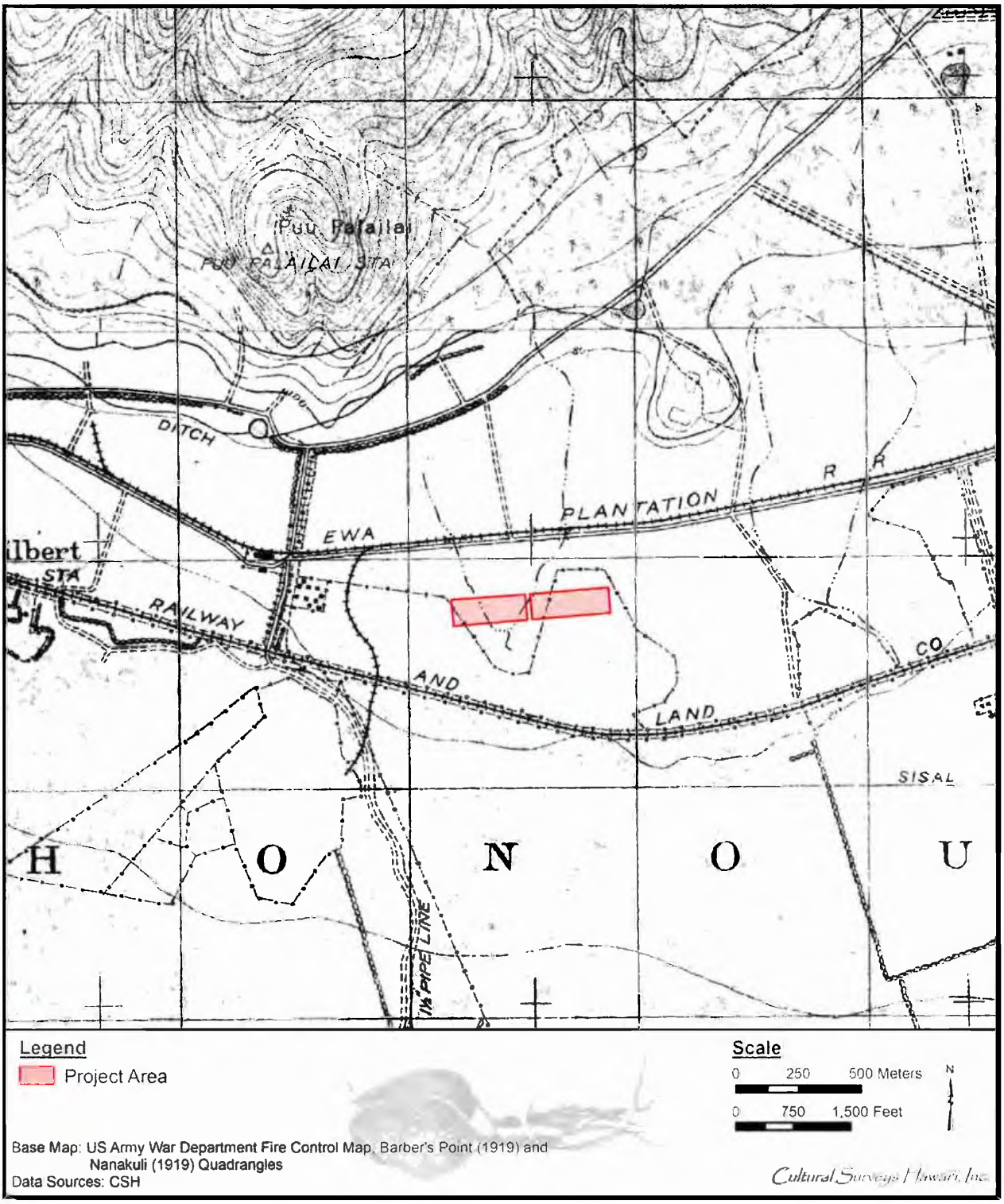


Figure 12. A portion of the 1919 U.S. Army War Department fire control map, Barbers Point and Nanakuli quadrangles, showing the project area surrounded by Ewa Plantation infrastructure

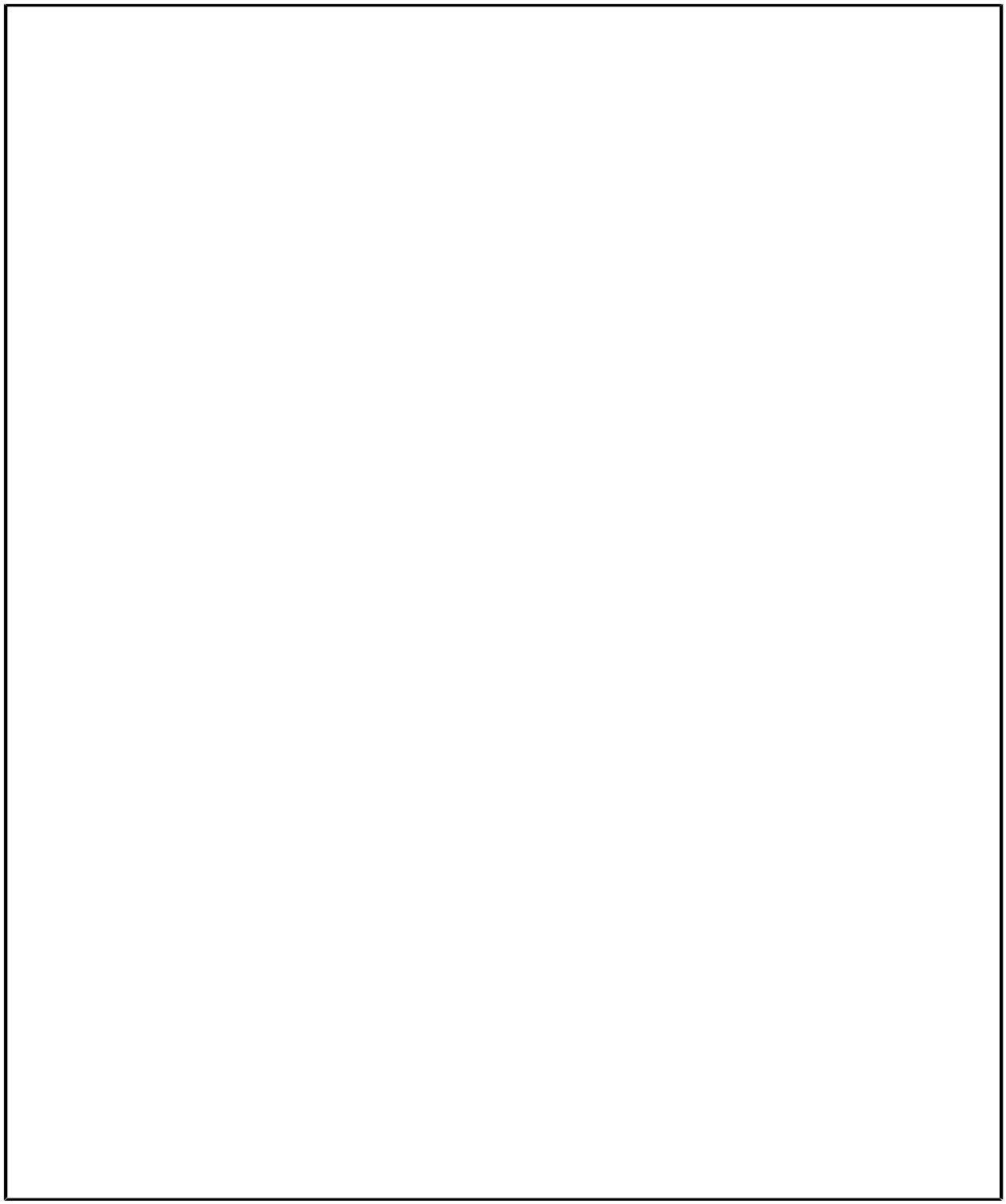


Figure 13. Portions of the 1928 Barbers Point and 1929 Waianae USGS topographic quadrangles, showing the project area surrounded by plantation infrastructure; a channelized gulch is depicted as crossing the west side of the project area, and a flume is depicted as crossing the east side of the project area

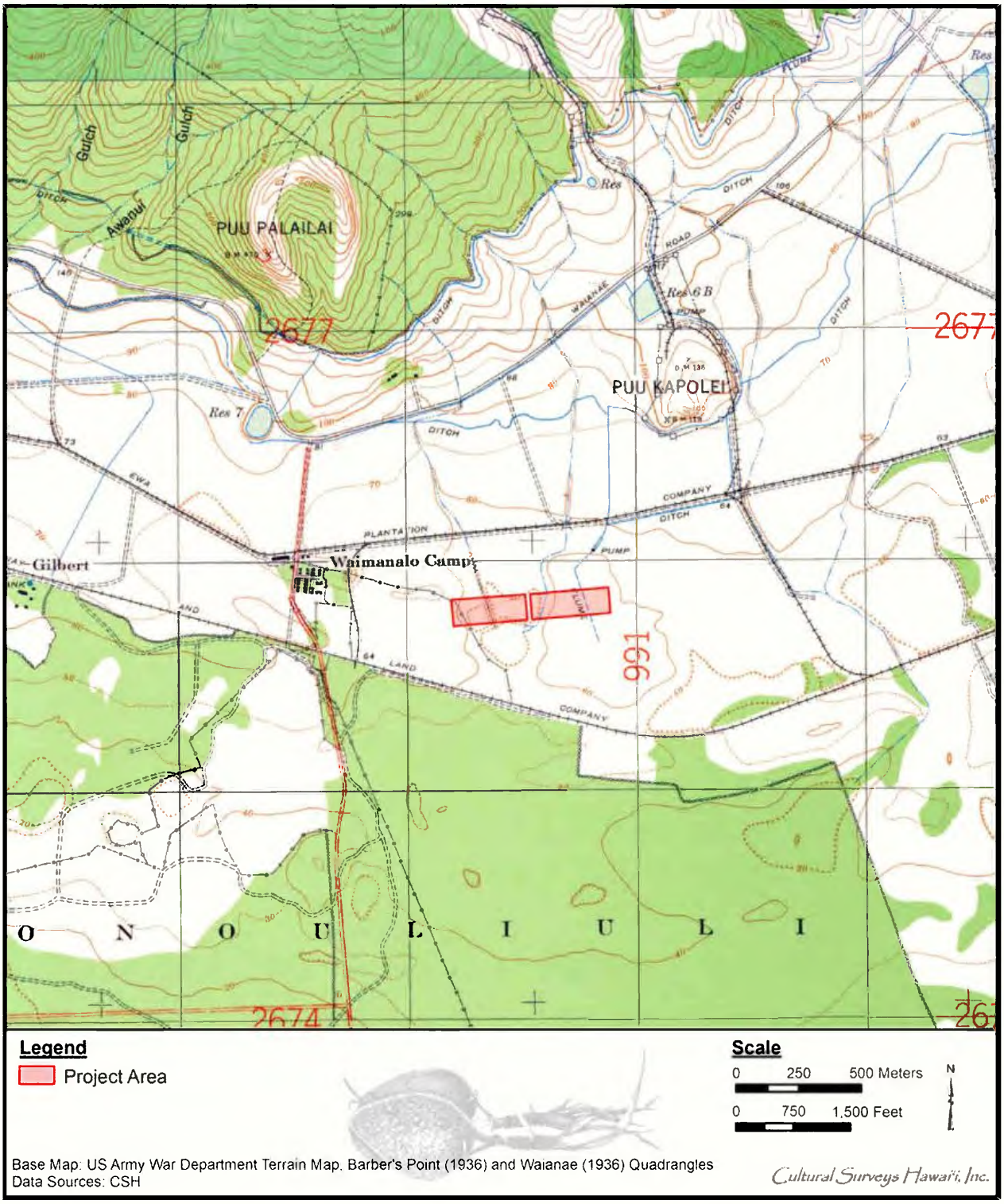


Figure 14. A portion of the 1936 U.S. Army War Department terrain map, Barbers Point and Waianae quadrangles, showing the project area surrounded by plantation infrastructure; a channelized gulch is depicted as crossing the west side of the project area and a flume is depicted as crossing the east side of the project area

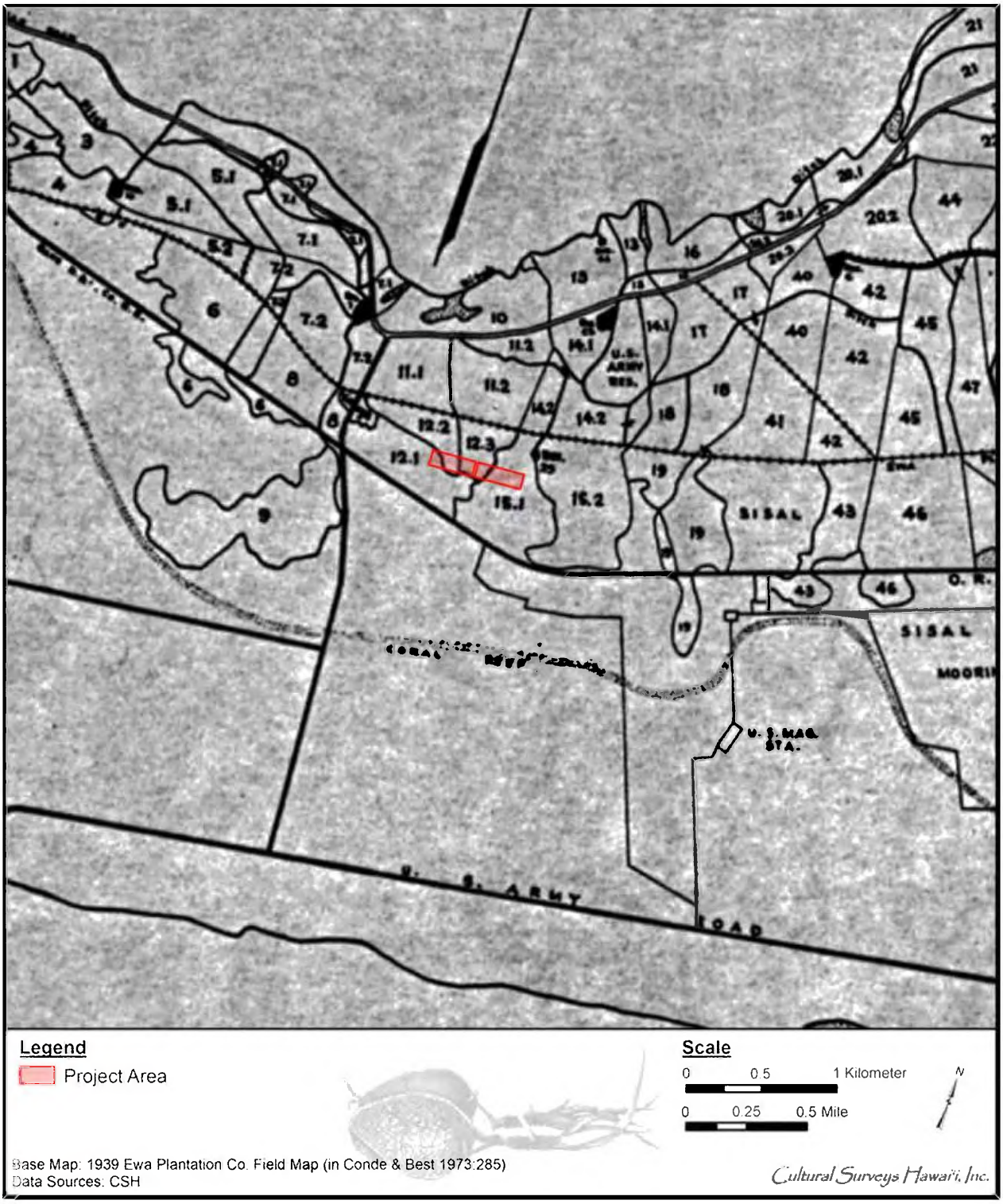


Figure 15. 1939 Ewa Plantation Company field map (Condé and Best 1973:285), showing the project area within Fields 12.1, 12.2, 12.3 and 15.1

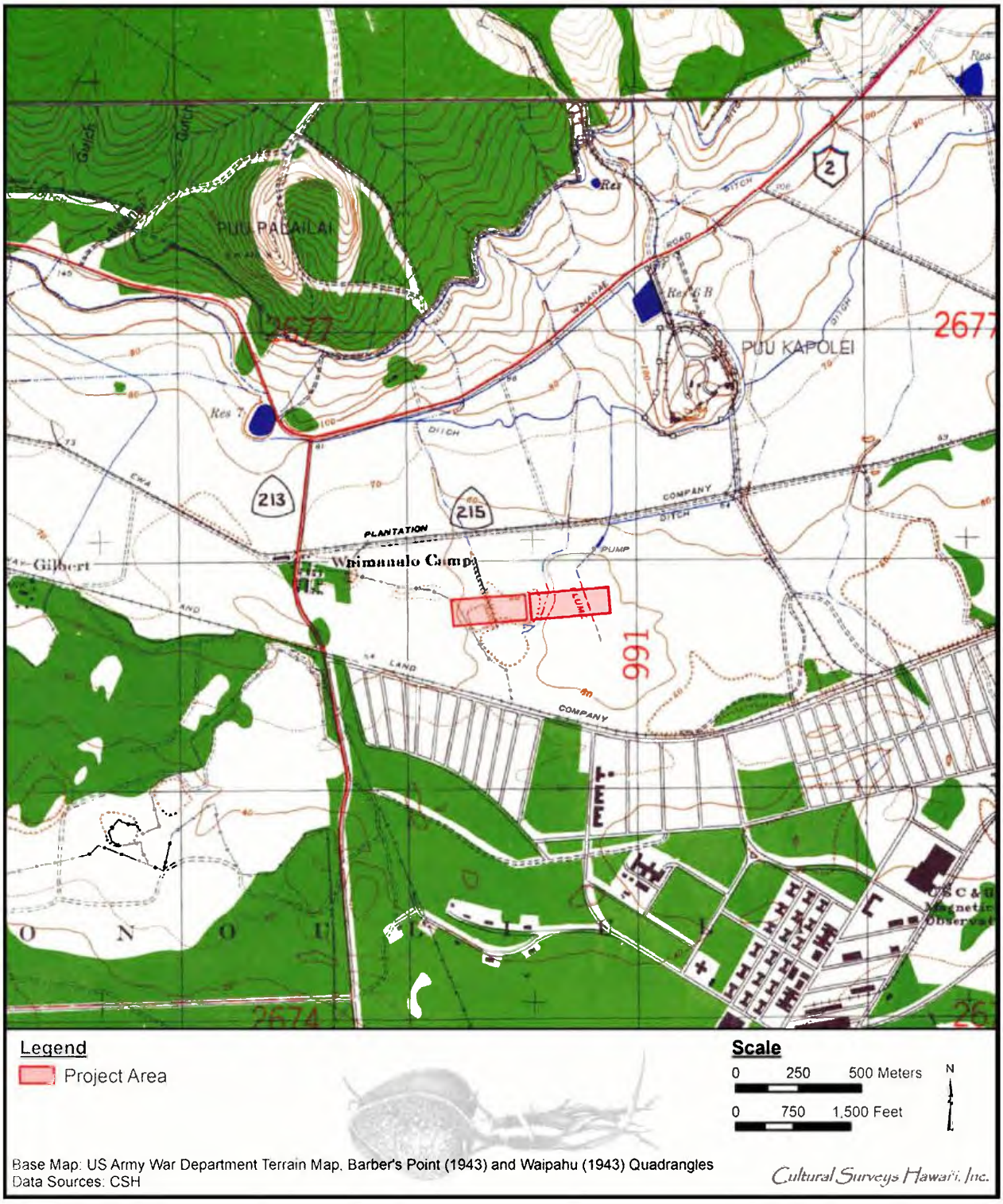


Figure 16. A portion of the 1943 U.S. Army War Department terrain map, Barbers Point and Waipahu quadrangles, showing the project area surrounded by plantation infrastructure; a channelized gulch is depicted as crossing the west side of the project area, and a flume is depicted as crossing the east side of the project area

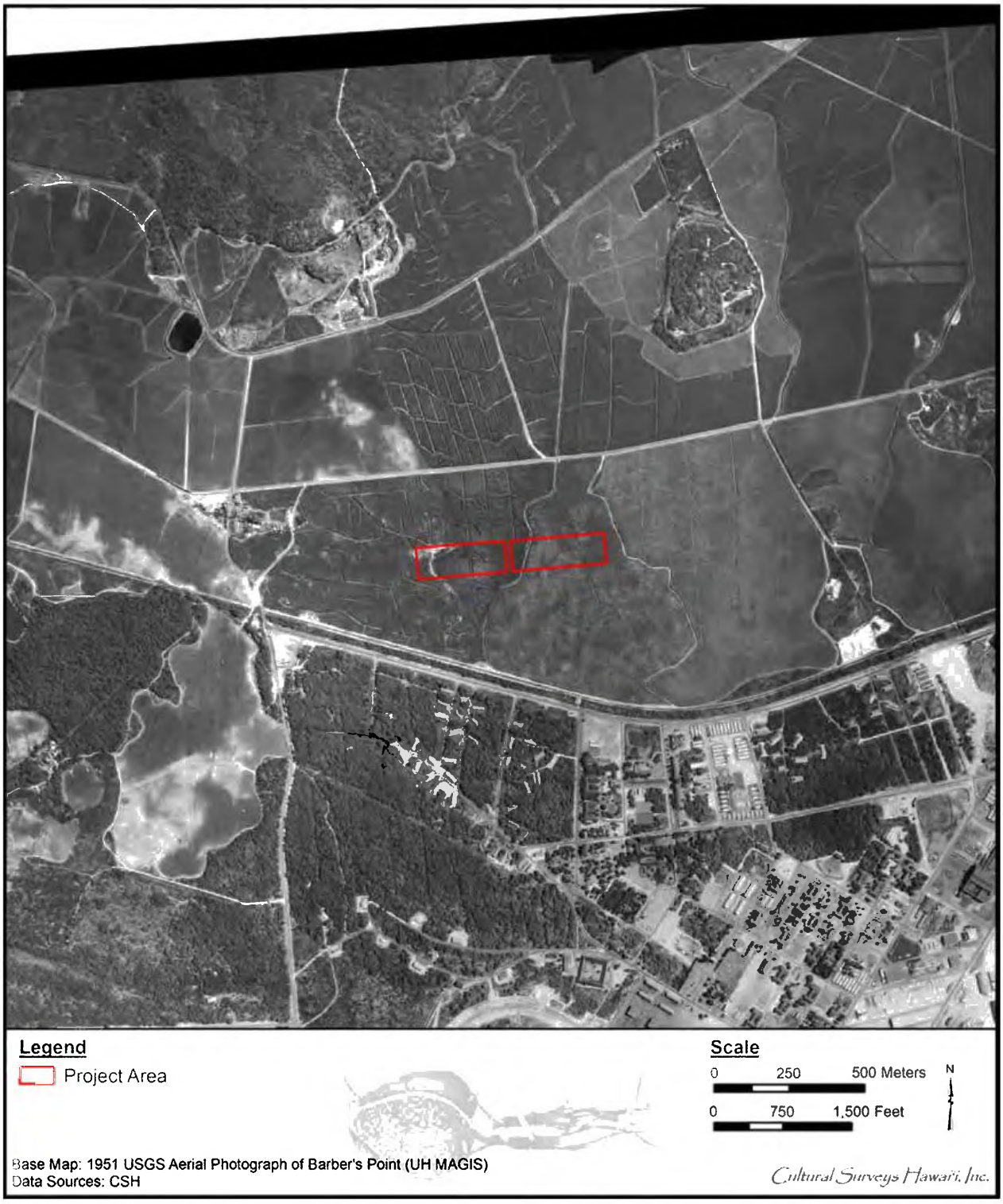


Figure 17. 1951 USGS aerial photograph of Barbers Point (UH MAGIS), showing the project area within sugarcane fields; the drainage (and possible adjacent road) crossing the eastern project area is pronounced

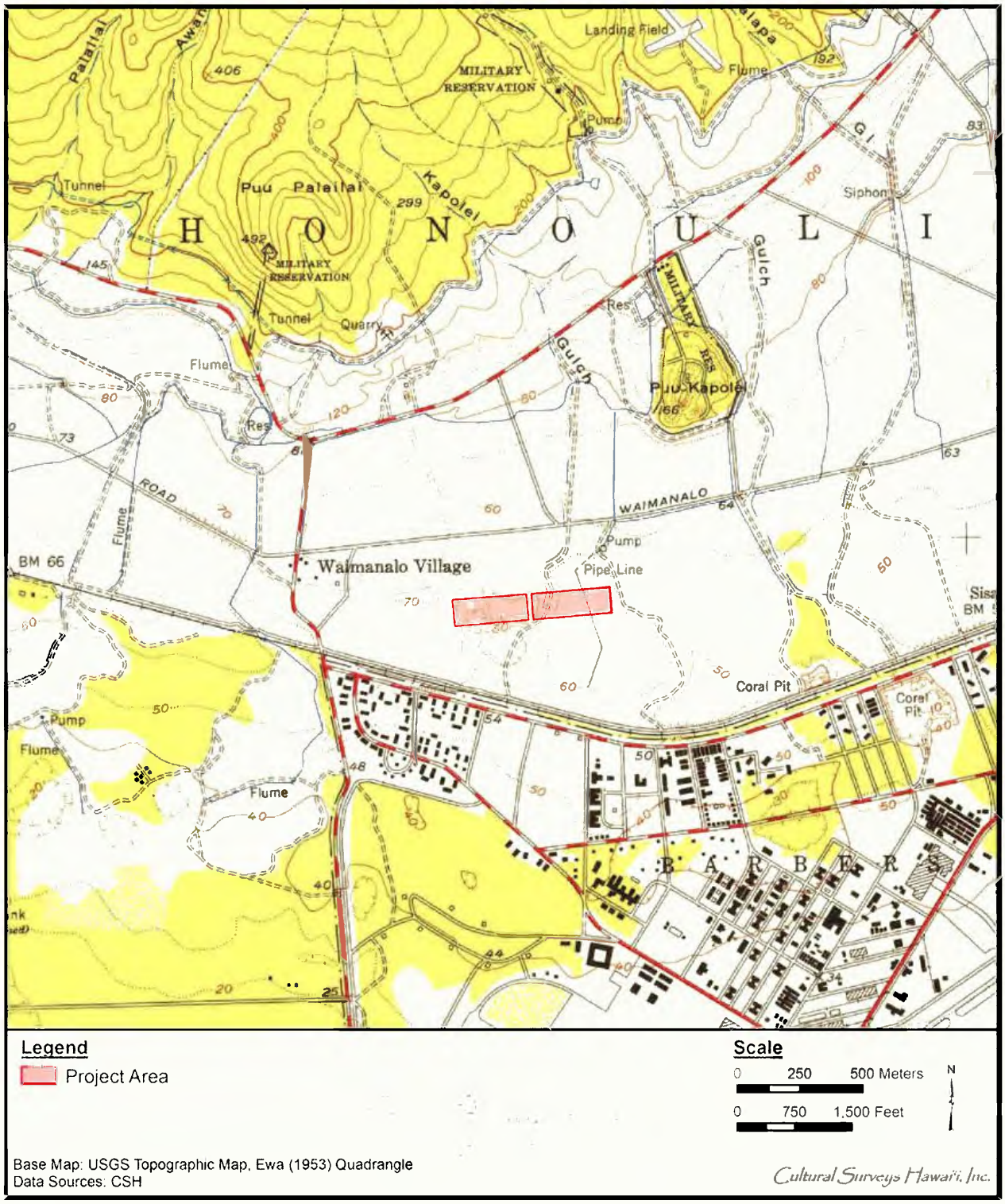


Figure 18. A portion of the 1953 Ewa USGS topographic quadrangle, showing the project area; a drainage and adjacent road are depicted crossing the central portion of the project area, and a pipeline crossing the eastern portion of the project area is indicated, approximating a former flume alignment

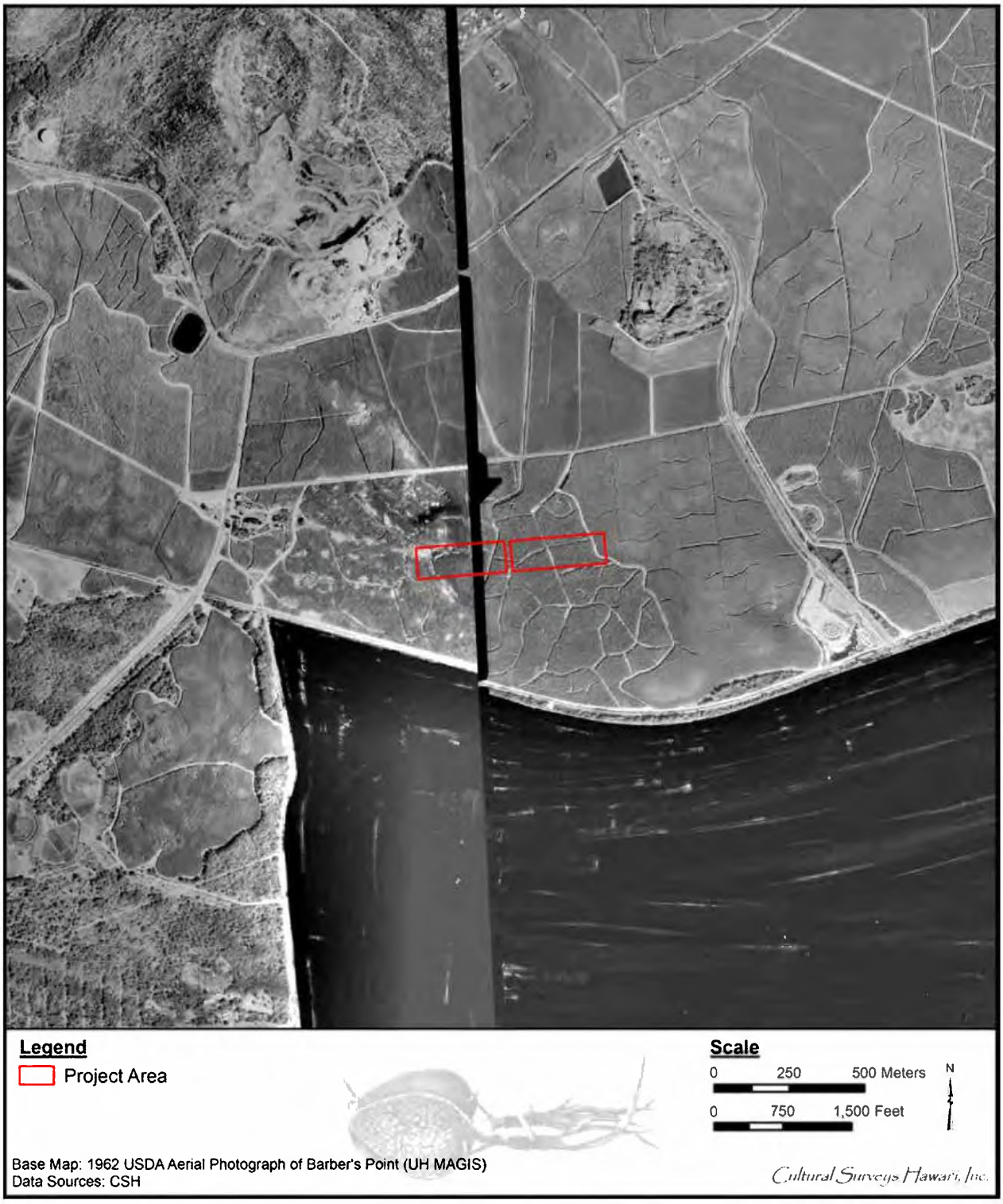


Figure 19. 1962 USDA aerial photograph of Barbers Point (UH MAGIS), showing the project area within sugarcane fields, but the west end appears to be out of production (note: the naval air station to the south has been blacked out by censors)

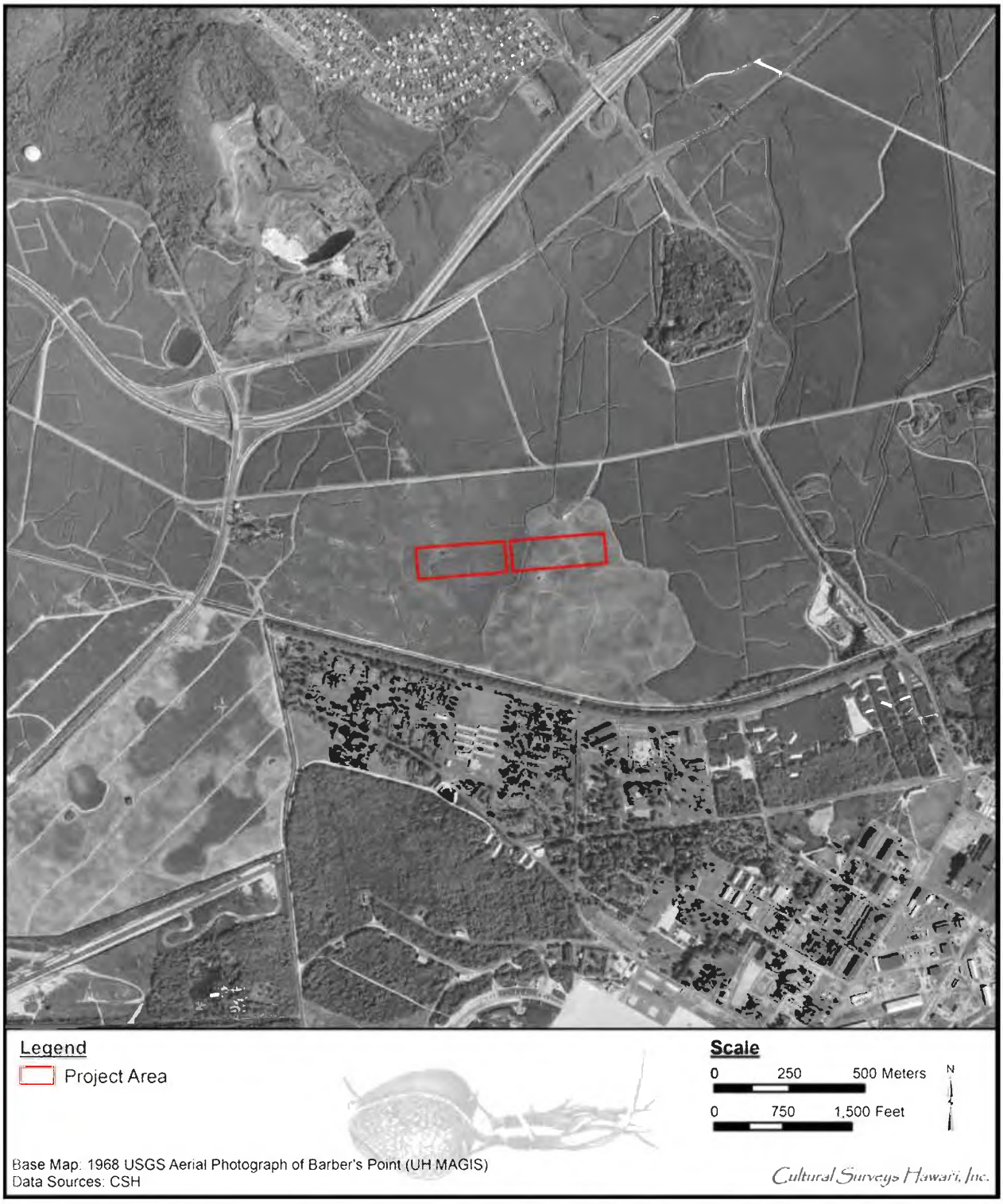


Figure 20. 1968 USGS aerial photograph of Barbers Point (UH MAGIS), showing the project area within active sugarcane fields (the east side of the project area may have been recently harvested)

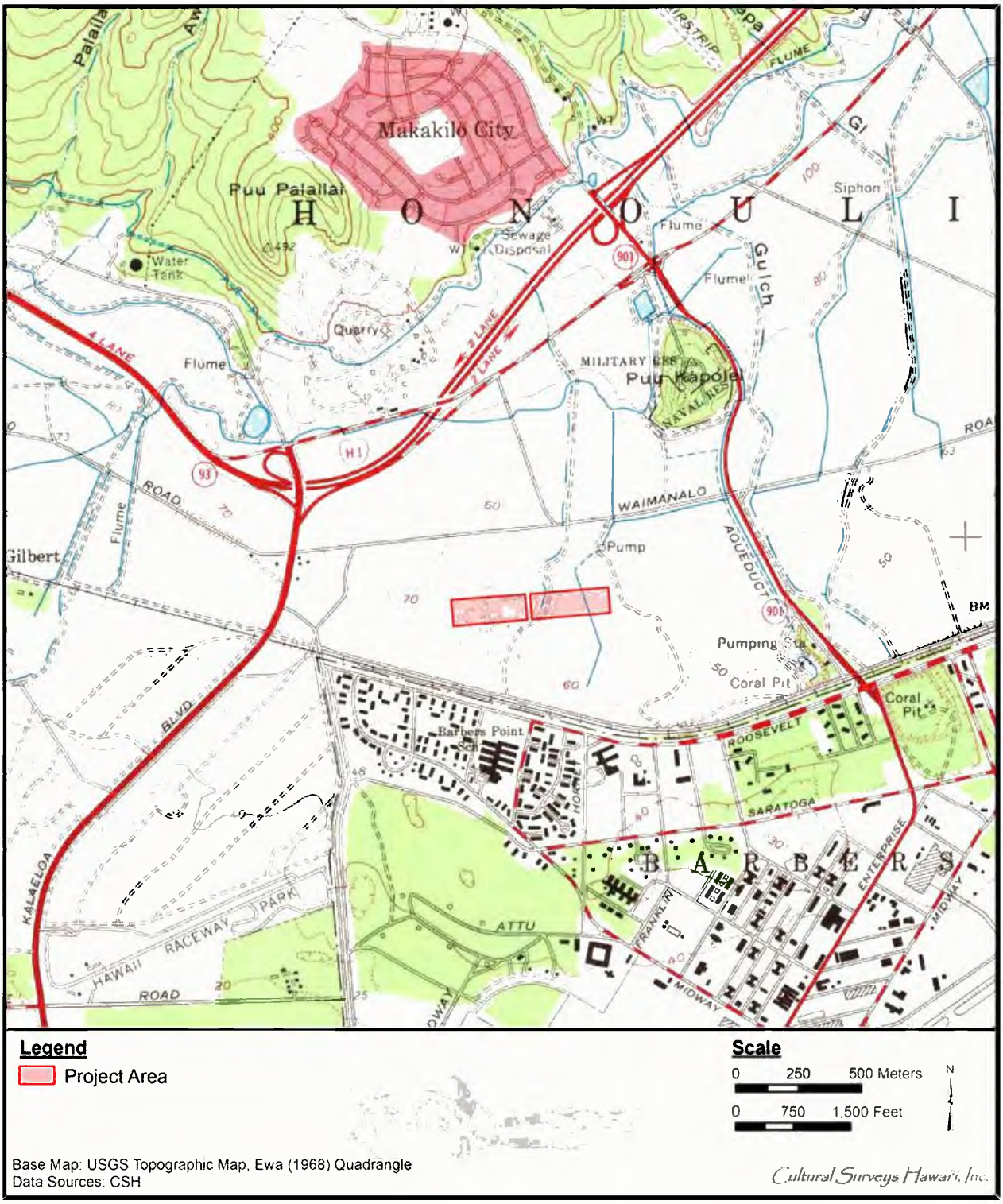


Figure 21. A portion of the 1968 Ewa USGS topographic quadrangle, showing the project area; a drainage and adjacent road are depicted crossing the central portion of the project area, and a pipeline crossing the eastern portion of the project area is indicated, approximating a former flume alignment

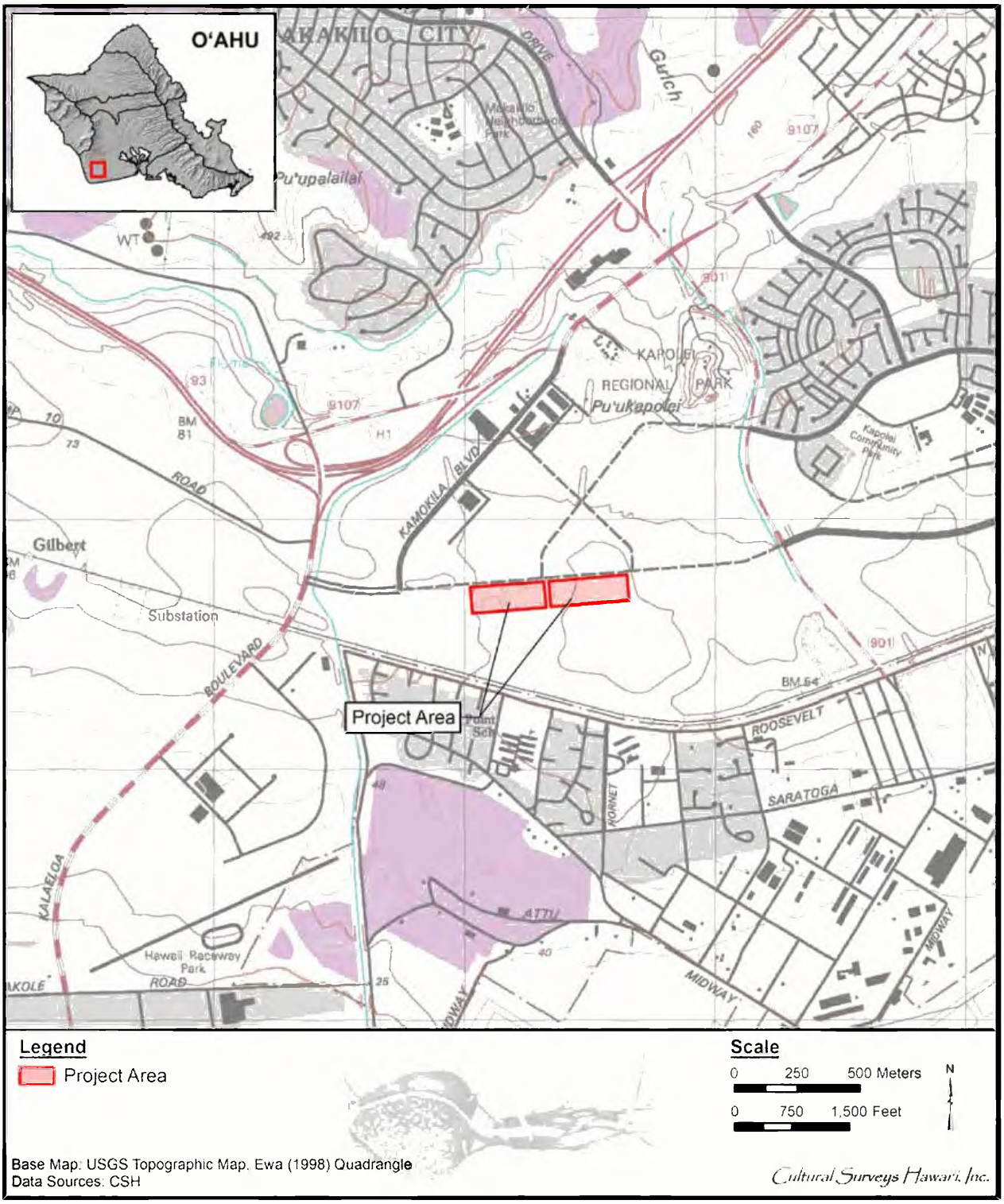


Figure 22. A portion of the 1998 Ewa USGS topographic quadrangle, showing the project area, with the present Kapolei Parkway along the north side depicted with a dashed line, indicating it was planned but not completed



Figure 23. 2004 aerial photograph of the project area; Kama'aha Avenue bisects the project area, which appears to have been fallow of long-standing (Google Earth Aerial Imagery 2004)



Figure 24. 2006 aerial photograph of the project area, showing recent grading along unimproved roadways within the project area and in the surrounding vicinity (Google Earth Aerial Imagery 2006)

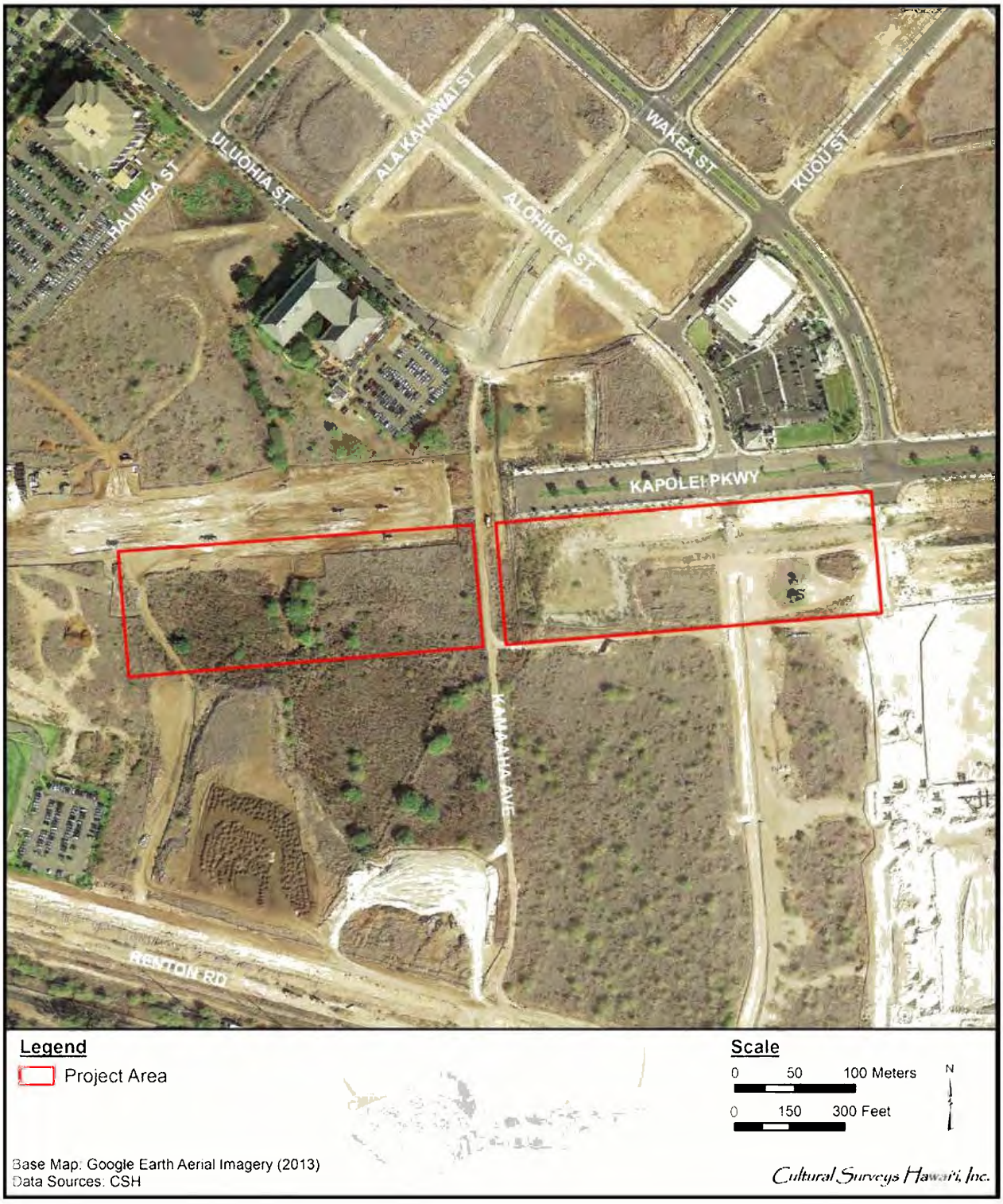


Figure 25. 2013 aerial photograph of the project area, showing Kapolei Parkway along the north side of the project area as under construction and with substantial recent grading in the eastern portion of the project area (Google Earth Aerial Imagery 2013)

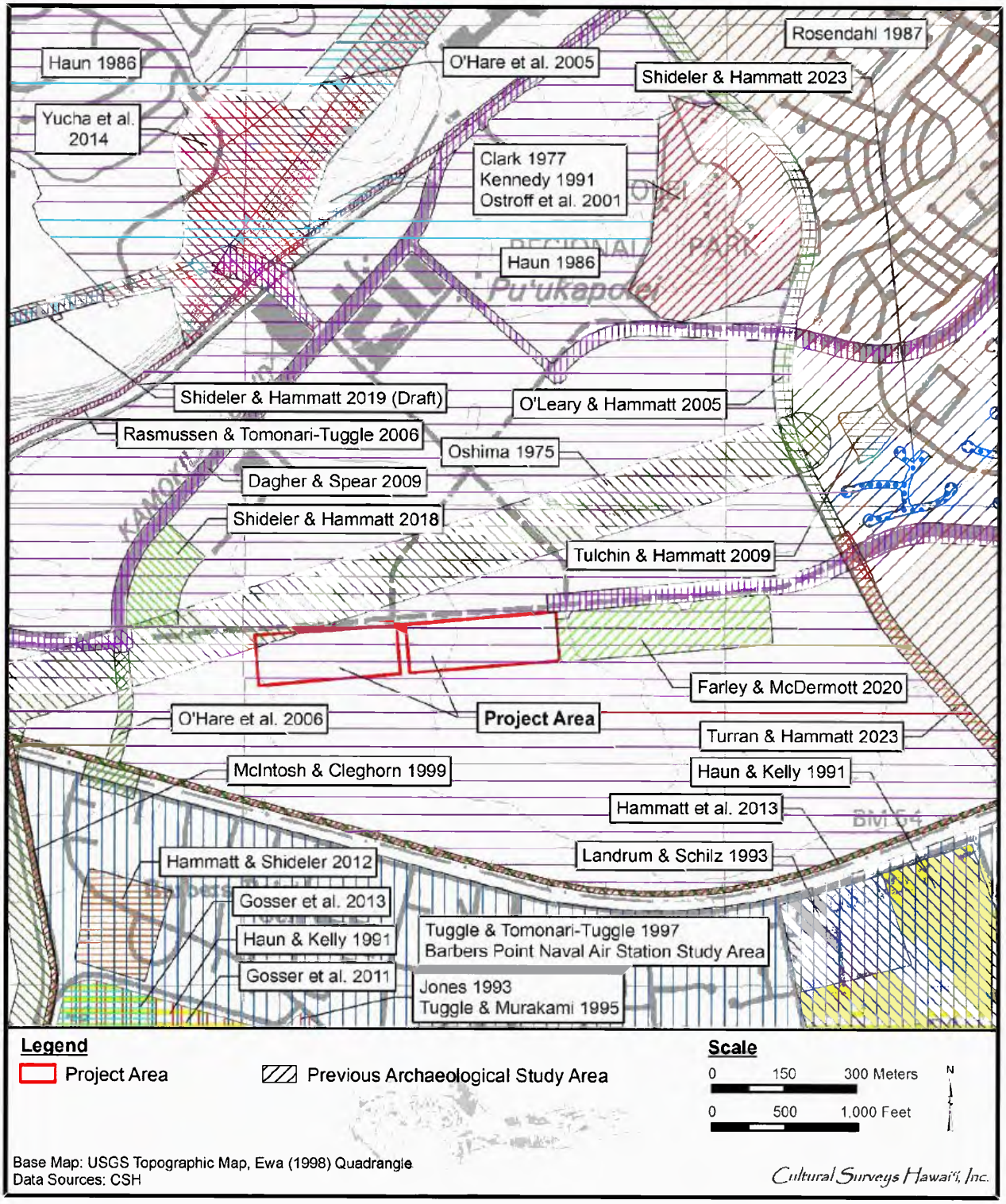


Figure 26. A portion of the 1998 Ewa USGS 7.5-minute topographic quadrangle, with overlay of previous archaeological studies within and in the vicinity of the project area

Table 1. Previous archaeological studies within and in the vicinity of the project area

Reference	Type of Investigation	General Location	Results (SIHP # 50-80-12-)
Oshima 1975	Archaeological reconnaissance survey	Campbell Industrial Park Complex	No historic properties identified in vicinity of current project area
Clark 1977	Archaeological reconnaissance survey	Pu'u Kapolei	Noted 20+ late historic military structures including bunkers, barracks, and a chapel (no SIHP # assigned); no further archaeological work recommended
Haun 1986	Archaeological reconnaissance survey	1,400 acres in Makakilo/Kapolei (see Figure 27)	No historic properties identified in vicinity of current project area
Rosendahl 1987	Archaeological reconnaissance survey	Kapolei Village	Documented SIHP # -09714, OR&L ROW
Haun and Kelly 1991	Archaeological inventory survey	Naval Air Station Barbers Point	No historic properties identified in vicinity of current project area
Kennedy 1991	Archaeological inventory survey	Pu'u Kapolei	Noted 14 U.S. Army structures from 1942 (no SIHP # assigned); late historic cultural materials identified in subsurface testing
Jones 1993	Letter report for a Phase I archaeological inventory survey	Barbers Point Naval Air Station Family Housing Project	Provides preliminary data on a total of 274 archaeological features identified
Landrum and Schilz 1993	Archaeological reconnaissance survey with limited subsurface testing	Naval Air Station Barbers Point	No historic properties identified in vicinity of current project area
Tuggle and Murakami 1995	Archaeological inventory survey	Naval Air Station Barbers Point	Recorded five archaeological historic properties: SIHP #s - 01723 through -01726, -04701, and -04702; included habitation/agricultural complex, sinkholes, and burial sites

Reference	Type of Investigation	General Location	Results (SIHP # 50-80-12-)
Tuggle and Tomonari-Tuggle 1997	Archaeological inventory survey	Naval Air Station Barbers Point	No historic properties identified in vicinity of current project area
McIntosh and Cleghorn 1999	Archaeological archival research	Honouliuli Wastewater Treatment Plant	Concludes likelihood for subsurface historic properties is low; if historic properties are present, they are likely sinkholes containing cultural materials, possibly including human remains
Ostroff et al. 2001	Archaeological inventory survey	Pu'u Kapolei	Identified SIHP # -05919, Fort Barrette structural remnants, in vicinity of current project area
O'Hare et al. 2005	Archaeological assessment and cultural impact evaluation	Pālailai and Makakilo interchanges	No historic properties identified in vicinity of current project area
O'Leary and Hammatt 2005	Archaeological literature review and field inspection	Fort Barrette Rd	Identified three historic properties: SIHP # -09714, OR&L ROW; SIHP # -0138, Pu'u Kapolei Heiau; and SIHP # -05919, Fort Barrette retaining wall
O'Hare et al. 2006	Archaeological literature review and field inspection	Kamōkila Boulevard Extension Project at Kapolei	Discusses the previously identified SIHP # -09714, OR&L right-of-way
Rasmussen and Tomonari-Tuggle 2006	Archaeological monitoring	Waiau fuel pipeline	No historic properties identified
Dagher and Spear 2009	Archaeological literature review and field inspection	Kapolei Parkway	No historic properties identified
Tulchin and Hammatt 2009	Archaeological inventory survey	2-acre parcel, Kapolei	No historic properties identified

Reference	Type of Investigation	General Location	Results (SIHP # 50-80-12-)
Gosser et al. 2011	Supplemental archaeological inventory survey	North and south of Mumba Rd (Kalaeloa Solar One and Kalaeloa Solar Two projects)	Four previously identified historic properties: SIHP #s -01717, -01718, -01719, and -01721; 12 newly identified historic properties: SIHP #s -07176 through -07182 and -07184 through -07188; included habitation/agricultural complex, sinkholes, historic trash dump, mounds, ranching features, military site complex, and a burial site
Hammatt and Shideler 2012	Archaeological literature review and field inspection	Adjacent to Franklin D Roosevelt Ave, containing Kearsarge St, Boxer Rd, and Copahee Ave for a Rengo Packaging Inc. project	No historic properties identified
Gosser et al. 2013	Archaeological monitoring	North and south of Mumba Rd	Two historic properties identified: SIHP #s -01721 and -01727; included Hawaiian habitation complex, Hawaiian agricultural complex, and modified sinkholes
Hammatt et al. 2013	Archaeological inventory survey	Along OR&L ROW	Documented SIHP # -09714, OR&L ROW
Yucha et al. 2014	Supplemental archaeological inventory survey	Kapolei Interchange	No historic properties identified in vicinity of current project area
Shideler and Hammatt 2018	Archaeological literature review and field inspection	Bounded on the west by Kamōkila Blvd, on the northeast by Kealakapu St, on the south by Kapolei Pkwy, and on the east by undeveloped land (Kaiser Permanente Leeward Clinic Project)	No historic properties identified

Reference	Type of Investigation	General Location	Results (SIHP # 50-80-12-)
Shideler and Hammatt 2019 (draft)	Archaeological literature review and field inspection	BWS Farrington Highway 24-Inch Main Project, Nānākuli and Honouliuli Ahupua'a	Discusses SIHP # 04341, a plantation flume and ditch irrigation system northwest of the present project area
Farley and McDermott 2020	Archaeological literature review and field inspection	Kapolei Parkway Project	No surface historic properties identified; probability for subsurface historic properties assessed as very low
Shideler and Hammatt 2023	Archaeological literature review and field inspection	Includes all or portions of 13 streets (and immediately adjacent house lots) in eastern Kapolei (east of Fort Barrette Rd and north of Kapolei Pkwy)	No historic properties identified
Turran and Hammatt 2023	Archaeological monitoring	Primarily within the road corridor along an 800-m stretch of Fort Barrette Rd in the north-central portion of Barbers Point Naval Air Station Access Rd, north of Roosevelt Dr, and an approximately 1,800-m adjoining portion of Enterprise Ave south of Roosevelt Dr	One previously identified historic property was dpcumented: SIHP # -09714, OR&L ROW

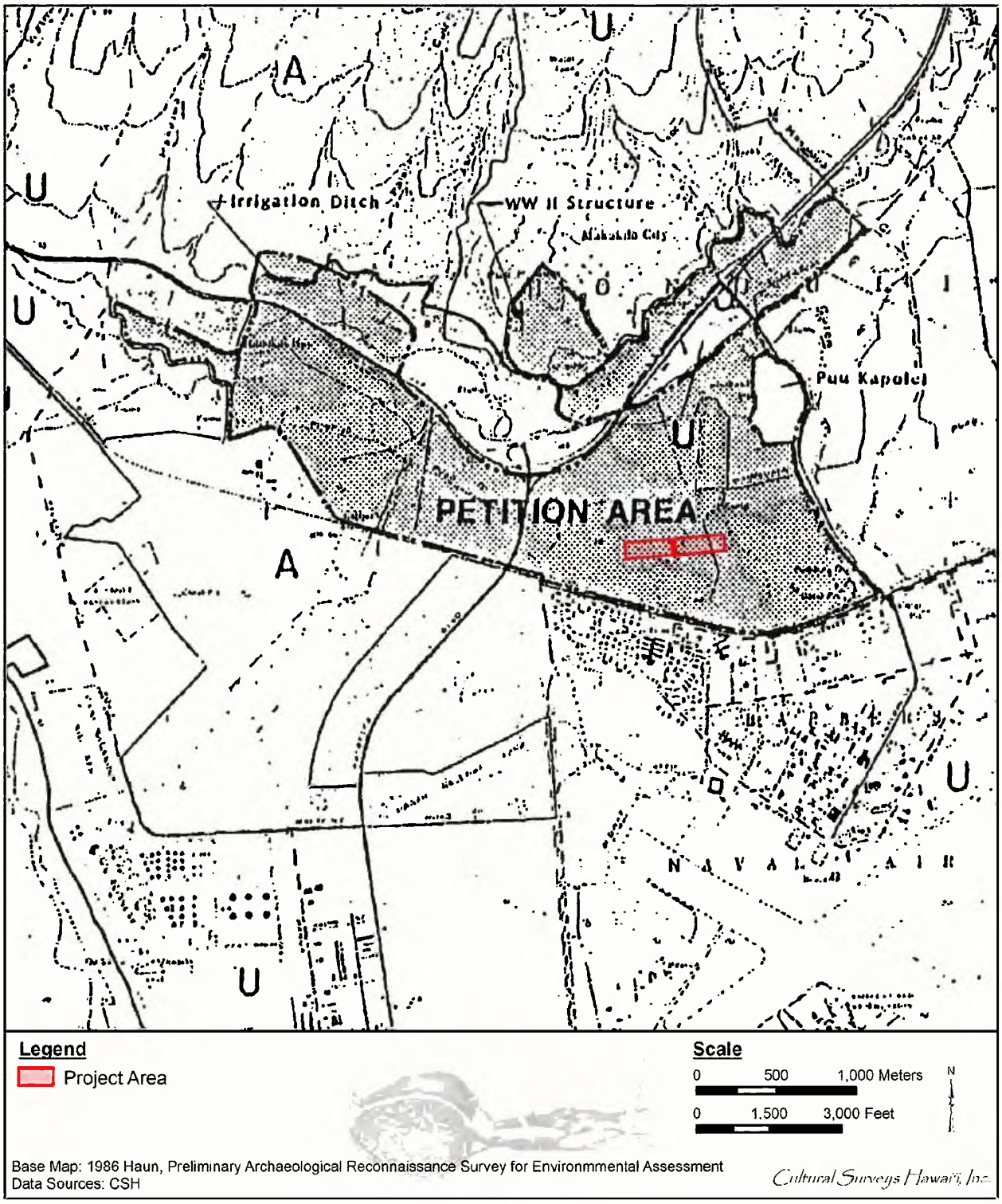


Figure 27. Haun (1986:6) *Preliminary Archaeological Reconnaissance Survey For Environmental Assessment (BA) Ewa Town Center /Secondary Urban Center* study area and site location map, with an overlay of the present Kapolei Parkway Lots 2–5 project area

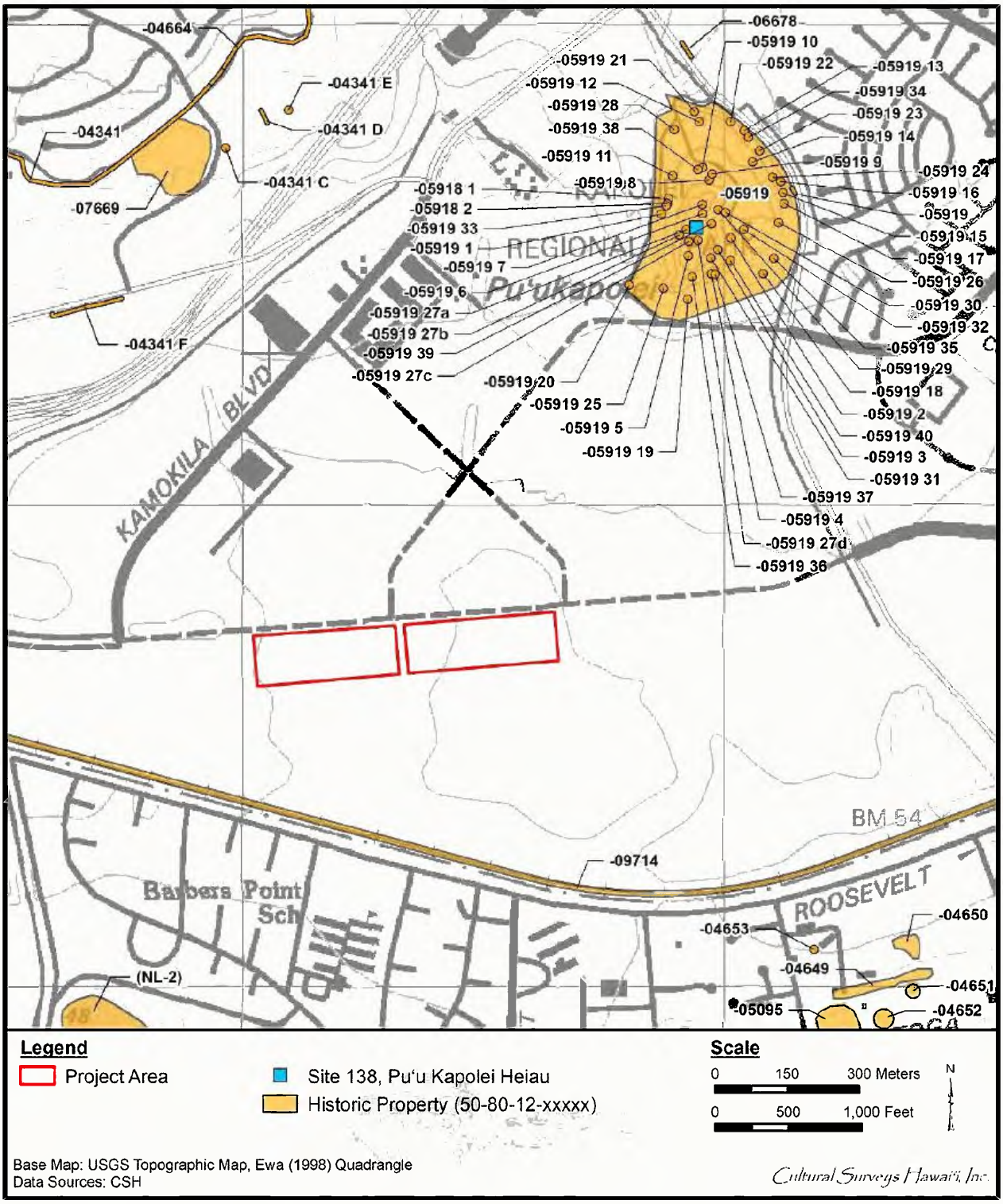


Figure 28. A portion of the 1998 Ewa USGS 7.5-minute topographic quadrangle, with overlay of previously identified historic properties in the vicinity of the project area; all SIHP numbers are prefaced by 50-80-12

Table 2. Historic properties previously identified within approximately 600 m of the project area

SIHP # 50-80-12-	Formal Type/ Name	Comment	Source
Site 138	Pu'u Kapolei Heiau	Destroyed by the time of McAllister's 1930 survey	McAllister 1933
04341	Flume and ditch irrigation system	Post-Contact, ditch and flume associated with sugarcane cultivation	Haun 1986; Hammatt et al. 1991; Monahan 2004; O'Hare et al. 2005; Yucha et al. 2014; Shideler and Hammatt 2019 (draft)
04341 C	Irrigation ditch	Post-Contact irrigation ditch associated with sugarcane cultivation	Yucha et al. 2014
04341 D	Irrigation ditch	Four connected segments of the base of a prefabricated concrete portable ditch remnant.	Yucha et al. 2014
04341 E	Irrigation ditch	Prefabricated section of concrete trough of a remnant portable ditch	Yucha et al. 2014
04341 F	Irrigation ditch	Post-Contact irrigation ditch associated with sugarcane cultivation	Yucha et al. 2014; Shideler and Hammatt 2019 (draft)
04649	Wall	Poor to good condition; post-Contact	Landrum and Schilz 1993
04650	Habitation complex	Fair to good condition; pre-Contact	Landrum and Schilz 1993
04651	Site complex	Terrace and mound in good condition; pre-Contact	Landrum and Schilz 1993
04652	Mounds	Good condition; indeterminate age	Landrum and Schilz 1993
04653	Wall	Very poor condition; post-Contact	Landrum and Schilz 1993
04664	Irrigation ditch	Extends from the western edge of their study area, where it was fed by a siphon pipe from Pumping Station 10. The ditch gradually descends from the 200 ft contour at the western edge of their study area, to near the 180 ft contour at the northeastern-most corner of their study area. The ditch is constructed of concrete and stone. Elevated flumes constructed of timbers and galvanized steel bridge the	Haun 1986

SIHP # 50-80-12-	Formal Type/ Name	Comment	Source
		gulches.	
05095	Military camp	Post-Contact; WWII bivouac	Tuggle and Tomonari-Tuggle 1997
05918 1	Salt flat	Pre-Contact	Haun and Kelly 1991
05918 2	Salt flat	Pre-Contact	Haun and Kelly 1991
05919 (includes Features 1–26, 27 a–d, and 28–40	Fort Barrette Complex	Includes magazines, pillboxes, gun emplacements, engine shed, terraces, electric substation, power plant, platform, mound, petroglyph, latrine, retaining walls, and other buildings/structures	Ostroff et al. 2001; O'Leary and Hammatt 2005
06678	Plantation irrigation infrastructure	Post-Contact sugarcane plantation infrastructure consisting of five features related to irrigation system: a concrete culvert and ditch intersection, a metal flume, two stone-and-mortar lined ditches, and a flume constructed of pre-cast portable concrete blocks	O'Hare et al. 2004
07669	Quarry remnants	Post-Contact	Yucha et al. 2014
09714	OR&L ROW	Narrow-gauge steel rails (36 inches) on raised roadbed of mixed materials for length of 15 miles	Rosendahl 1987; O'Leary and Hammatt 2005; Hammatt 2013
NL-2	Complex	Ranch infrastructure	Tuggle and Tomonari-Tuggle 1997



Figure 29. Tracklog of one of two archaeologists during the field inspection, with a key to the following photographs (Figure 30 through Figure 58) indicating their general location and orientation



Figure 30. Photograph A: View from the northeast corner of the east side of the eastern project area, Wākea Street at upper left, view to southeast



Figure 31 Photograph B: View from the northeast corner of the central eastern project area, showing linear drainage excavation and prepared flattened mound (at upper left), view to southwest



Figure 32. Photograph C: View from the northeast corner of the north side of the eastern project area, Kapolei Boulevard at upper right, view to WSW



Figure 33. Photograph D: View from the northwest corner of the north side of the eastern project area, Kapolei Parkway at upper left, view to ENE



Figure 34. Photograph E: View from the northwest corner of the central eastern project area, view to southeast



Figure 35. Photograph F: View from the northwest corner of the west side of the eastern project area, Kama'aha Avenue at upper right, new (*makai*) housing in background, view to south



Figure 36. Photograph G: View from the southwest corner of the west side of the eastern project area, Kama'aha Avenue at upper left, view to northwest



Figure 37. Photograph H: View from the southwest corner of the central eastern project area, view to northeast



Figure 38. Photograph I: View from the southwest corner, of the south side of the eastern project area, *makai* developed subdivision at upper right, view to ENE



Figure 39. Photograph J: View from the southeast corner of the east side of the eastern project area, Wākea Avenue at right, view to northwest



Figure 40. Photograph K: View from the southeast corner of the central eastern project area, view to northwest



Figure 41. Photograph L: View from the southeast corner of the southern side of the eastern project area (active earth moving in the project area in progress at top), *makai* developed subdivision at upper left, view to WNW



Figure 42. Photograph M: View of an uncommon exposure of intact raised reef limestone (2 m tape depicted), view to north

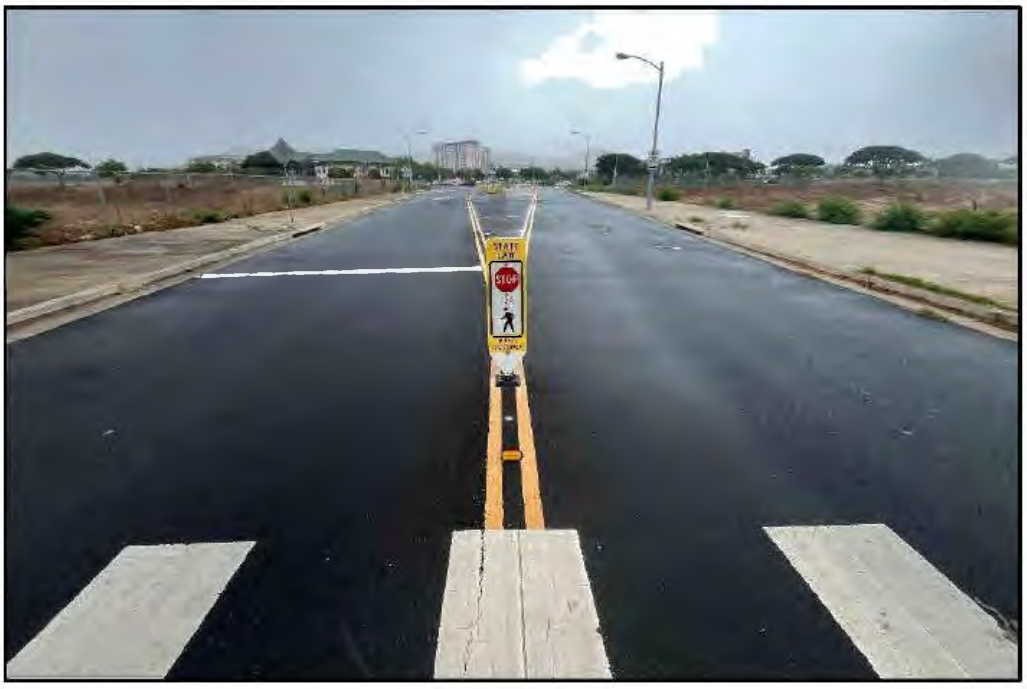


Figure 43. Photograph N: View of Kama'aha Avenue separating the eastern project area (at right) from the western project area (at left), view to north

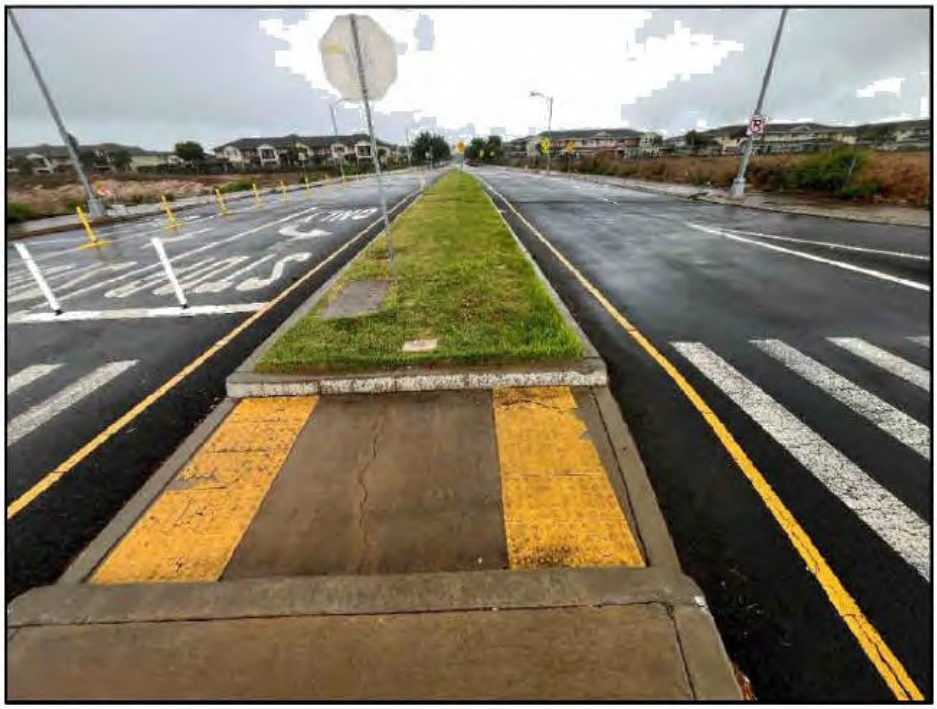


Figure 44. Photograph O: View of Kama'aha Avenue separating the eastern project area (at left) from the western project area (at right) with new housing in (*makai*) background, view to south



Figure 45. Photograph P: View of the northern side of the western project area from the northwest corner, Kapolei Parkway at upper left, Kealakupu Street in foreground, view to ENE



Figure 46. Photograph Q: View of the central western project area from the northwest corner, *makai* end of Kealakupu Street in foreground, view to southeast



Figure 47. Photograph R: View of the west side of the western project area from the northwest corner, *makai* end of Kealakupu Street in foreground, new (*makai*) housing in background, view to SSE



Figure 48. Photograph S: View of the east side of the western project area from the northeast corner, Kama'aha Avenue at upper left, new (*makai*) housing in background, view to SSE



Figure 49. Photograph T: View of the central western project area, new (*makai*) housing in background, from the northeast corner, view to southwest



Figure 50. Photograph U: View from the northeast corner of the north side of the western project area, Kapolei Parkway at upper right, view to WSW



Figure 51. Photograph V: View of the south side of the western project area from the southeast corner, new (*makai*) housing at upper left, view to WSW



Figure 52. Photograph W: View of the central western project area from the southeast corner, Kapolei Parkway at upper right, view to northwest



Figure 53. Photograph X: View of the east side of the western project area from the southeast corner, Kapolei Parkway at upper left, Kama'aha Avenue at upper right, view to NNW



Figure 54. Photograph Y: View of the west side of the western project area from the southwest corner, view to NNW



Figure 55. Photograph Z: View of the central western project area from the southwest corner, view to northeast



Figure 56. Photograph A1: View of the south side of the western project area from the southwest corner, new (*makai*) housing at upper right, view to ENE



Figure 57. Photograph B1: View of western project area showing eastern detention basin, Kapolei Parkway at upper left, Kama'aha Street in background, new (*makai*) housing at upper right, view to northeast



Figure 58. Photograph C1: View of western project area showing western detention basin, new (*makai*) housing at upper left, Kapolei Parkway at upper right, view to southwest

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Appendix 10

Preliminary Management Plan, Indigo Real Estate

Preliminary Management Plan

Kapolei Parkway Lots 2 - 5

Unit count: 750 units

Staffing Arrangements for Site Personnel and Supervisors

Indigo's on-site team will include personnel with section 8, 42, 236 and senior housing management experience. We will identify qualified individuals to meet the on-site personnel needs for the project. Supervisory support from Indigo's corporate office will include Indigo's executive leadership team, including Vice President of Operations, Regional Vice President, dedicated Investment Manager, Compliance Director, and supplemental compliance support.

1. Supervisory Leadership

Investment Manager (aka Regional Property Manager)
The Investment Manager provides direct supervision and guidance to the on-site team. Indigo's Investment Manager will work collaboratively with Indigo's Vice President of Operations, Regional Vice President, and compliance team to meet all project specific requirements outlined in the project regulatory agreement and/or partnership agreements with Federal, State or Municipal partners.

2. On-site Team

Community Director (aka on-site Manager)
The business manager's primary role is to implement the business plan and operate the asset according to the property budget to ensure the ownership's established investment objectives are achieved through proactive leadership in all on-site activities, including leasing, marketing, traffic generation, compliance monitoring, budget controls, team supervision and motivation.

Compliance / Leasing Assistant Manager / Leasing Associate(s)
Indigo will appropriately staff the community to ensure the ownership's investment objectives are achieved. Staffing levels will be monitored on a case-by-case basis, and adjusted as needed, depending on the project specific operating, compliance, and leasing requirements.

Maintenance Supervisor / Maintenance Technician(s)
We will retain and/or hire the most qualified maintenance professionals, who have direct experience with affordable, like kind assets, and proven experience implementing and managing preventive maintenance plans, including vendor and contract management, direct experience with HVAC, elevators, plumbing, electrical, etc. Our maintenance team members should have prior experience with MOR and REAC inspection processes.

Team Member Training

All team members are required to complete annual Fair Housing, sexual harassment, and discrimination coursework through Grace Hill's eLearning modules. Team members are required to participate in Indigo sponsored training opportunities as directed by their immediate supervisor, which may include leasing and sales, customer service, compliance including tax-credit compliance, maintenance operations, safety, and other industry standard best practices.

Applicant Eligibility Policies and Procedures

1. Resident Selection Plan

The property will operate with written resident qualification criteria (Tenant Selection Plan). The criteria are established in accordance with the Fair Housing law and Section 8, 42, 238 and per the terms outlined in the project specific regulatory agreement and/or partnership agreement.

The criteria include income, rental history, credit history, criminal history and is visibly displayed in the leasing office with the Fair Housing poster and income guidelines. The managing agent and on-site staff perform the screening and selection process through a qualified and unbiased third-party screening agency in accordance with the regulations and guidelines of the governing program for the property.

The residents will receive detailed information as proof of eligibility for occupancy in the rental community. If an applicant is ineligible, or eligible but unacceptable, he or she will be advised in writing as to the reasons of ineligibility or unacceptability, and reasons shall be stated on the application and kept on file. A prospective applicant rejected because of credit will be provided with the source of the report as required by the Fair Credit Reporting Act as well as the information regarding the process for appeal.

2. Application Processing Procedures

Upon receipt of a request from an applicant for an apartment, the on-site management is instructed to take the following actions:

- The applicant is given a written list of rental information for the property, including rental rates, security deposits, screening fee, income requirements and household size limits and composition. The applicant will be given a copy of the rental application and resident qualification criteria. Applications are then reviewed for accuracy and completeness. If the applicant is entering into a waiting list situation, the applications will be reviewed in chronological order as they were received according to date and time.
- The applicant will be notified within a reasonable time frame of receipt of the initial application of specific additional information needed to complete the eligibility review.
- The applicant's present landlord, credit references, sources of income along with assets, is verified using forms prescribed by the governing HUD or LIHTC programs and Yardi Voyager.
- Upon receipt of written verification of income source(s), resident history, credit and criminal history, a determination is made as to the applicant's eligibility. Any false statements given on an application shall disqualify the applicant to move into the rental community.
- If the decision is affirmative, the applicant will be notified, and a move-in date agreed upon. Generally, an apartment cannot be held longer than 14 days after approval notification before the applicant must take physical or at least financial possession of the apartment. If the applicant is not

approved for occupancy, they will be notified in writing as to the reason(s) and able to review the resident qualification criteria.

- Canceled or rejected applications are retained in the property's files for a period of three (3) years to facilitate any reviews or examinations which may be required at a future date.

3. Eligibility Requirements

Eligibility requirements regarding household size are as follows:

- The number of occupants must be in accordance with occupancy standards set by the Owner/Agent based upon local codes and ordinances. The Owner/Agent may change the occupancy limits during the lease term with a thirty (30) day notice if changes in laws, ordinances or regulations make such a change necessary. The maximum occupancy limit will depend upon local ordinances and regulations and square footage of usable sleeping areas, as defined by codes and suggested by HUD. Notwithstanding the above, the Owner/Agent shall have the right to make reasonable accommodations for individuals with disabilities and may adjust occupancy limits to further the goal of reasonable accommodation.
- No apartment may be rented to a household comprised of all full-time students unless the household meets one of the additional tax credit exceptions.
- To be determined eligible, prospective residents must be capable of independent living, be able to provide for their own sustenance and possess the legal age and capacity to enter into a lease agreement.
- For the purpose of definition, Indigo Real Estate Services, Inc. considers a family those individuals related by blood or joined by marriage. Specifically, a family is considered to be any adult residing with another person under the age of 18.

4. Resident Recertification Procedure

A recertification of the resident's eligibility is performed annually. A notice will be given to the resident at least (120) days prior to the recertification date. Additional notifications will be issued 90 and 60 days before the recertification date. If the resident has not submitted the required income verifications within (30) days prior to the recertification date, another attempt will be made via certified mail advising what would take place if the information were not received. The property provides a HUD and/or LIHTC Manual, which thoroughly explains the operation and requirements of the recertification process. Additionally, the staff attends training and meetings at which time additional instruction is given regarding the compliance requirements and any recent amendments to the procedure for the various affordable housing programs.

Rent Collection, Late Fees, Rent Records, Delinquencies, Non-Payment of Rent Notices and Eviction Procedures

1. Rent Collection Procedures

Rent is due on the first of the month and residents are allowed five grace days prior to being assessed a late charge. Rents are collected at the site office during regular office hours or if paid after hours, left in a night drop to be processed by the office first thing the following morning. If the resident has not paid by the fifth day of the month, they are assessed a late charge of, typically, 8%. Residents whose rent check are returned for non-sufficient funds (NSF) will be issued a notice to pay rent or vacate in addition to being charged an NSF fee and accumulated late fees.

2. Rent Records/Delinquencies

As indicated in the previous section, all rents are collected at the site level. The site manager logs all checks into the site computer system and deposits all checks received on a daily basis. The site manager has the capability to pull up, on a daily basis, a detailed delinquency report and has primary responsibility for handling all accounts receivable. The manager initiates eviction proceedings on delinquent residents as outlined in the termination of leases and evictions section.

Termination of Leases and Evictions

1. Material Noncompliance and Other Good Cause

The Agent may not terminate or refuse to renew any occupancy except upon the basis of material noncompliance with the lease or for other good cause. Generally, lease termination and/or evictions are initiated against residents for the actions or conduct which is disruptive to the livability of the community, which adversely affects the health and safety of any person, or adversely affects the right of any resident to the quiet enjoyment of the leased premises. The majority of evictions are for nonpayment of rent rather than for good cause.

2. Agent's Actions

The Managing Agent is required to serve the resident prior notice(s) that his or her actions and/or conduct will constitute a basis for termination of occupancy prior to initiating an eviction for good cause. The notice of termination must pertain to relevant provisions of the lease; state the reasons for the termination and a specific date of the termination. All notices are prepared and served in accordance with State and Federal laws. Once the tenancy has been terminated and should an eviction be required, the management company will retain the service of an attorney or an eviction service agency to take appropriate action to gain possession of the apartment and a monetary judgment.

Operating Budget

The Annual budget will be provided to Owner no later than 45 days prior to the end of the current fiscal year.

Marketing and Leasing

Indigo Real Estate operates and markets all communities in accordance with Federal, State and Local Fair Housing Laws. It is our policy to treat all current, prospective, and former residents in a fair and professional manner without regard to race, color, religion, sex, familial status, handicap, or national origin.

1. Leasing and Marketing

A wide variety of marketing resources will be explored to establish the best possible sources to effectively market. Marketing sources will include property signage, property specific website, newspaper print ads, Internet Listing Services, local business community outreach and community specific marketing flyers.

The property identification sign displaying the name of the community along with the Equal Housing Opportunity and the American for Disabilities Act logos will be placed at the property entrance. Another sign will display the property's office hours and telephone number. Local referral agencies such as real estate firms, city governments, housing groups, churches, local business, and service organizations will be contacted through outreach efforts to familiarize them with the property. Brochures, referral flyers and rental application packages will be made available for these organizations to refer to prospective residents seeking quality affordable housing. Communication with these local entities will be maintained to keep the property well known within the market.

The on-site team will actively solicit minority prospects in the local community to ensure those who traditionally would not expect to apply are aware that housing for them is available. The Fair Housing Marketing plan will be executed by the Managing Agent to assure a socioeconomic mix of residents. Outreach efforts such as contacts with church groups, major unskilled labor employers, local housing authorities, assistance agencies such as OSM, agencies who assist the disabled, etc. will be utilized. No discrimination of any kind will be tolerated.

2. Marketing Department

The Managing Agent, as part of normal operations, will act as the marketing and leasing support entity for achieving and maintaining the occupancy standards.

3. Wait List Procedures

If an eligible applicant is not assigned an apartment initially, the applicant will be placed on a wait list in the chronological order in which the initial application was received.

- The wait list may have different preferences due to the applicant's special needs but must always be maintained in chronological order. These separate categories may include:
    - Various size units
    - Units for large families and/or disabled persons if applicable.
    - Displacement, such as victims of natural disasters and eminent domain to whom priority consideration may be given, and any federally mandated preferences.
- Applicants determined eligible would be selected by chronological order.
- Each list available by preference will be available for review by applicants on the wait list. When the application is first submitted, the applicant will be notified of the category(s) assigned to that application. No application may be removed from the waiting list without prior notification to the applicant or at least a good, fair attempt to locate the applicant. The waiting list has a minimum of the following applicant information: date/time of application, name of applicant, household size, household composition, annual household income and AMGI requirements, size of unit needed, date(s) applicant contacted, disposition, date removed from the list along with the reason, and applicant notification of removal. The waiting list will be updated periodically by forwarding the

applicant a status inquiry requiring a response within a consistent specified time in order to maintain his or her position on the list.

Tenant Orientation and Tenant Grievance Policy and Procedures

1. Resident Orientation

Generally, the better informed the resident, the smoother the operation of the property. Residents should know the rules and regulations of the rental community in which they live. Experience has demonstrated that households will abide by equally applied, reasonable controls that will make the rental community more desirable and pleasant for all concerned.

The applicants for apartments who have been approved are taken on a tour of the community's common, recreational, and social areas for an orientation of their new home environment. Afterwards, a thorough discussion will take place to go over the lease agreement and rules and regulations of the community. The new resident's apartment will be pre-inspected before they take possession.

The resident will be required to complete a move-in inspection checklist to agree upon with the Managing Agent, as to the condition of the apartment is in good and livable condition. The resident will be provided a copy of the move-in inspection checklist. Also, it will be made clear to the resident that management will be available to listen to and resolve any problem or complaint.

Residents will be encouraged to participate in any social, recreational, or educational activities offered by the property, as well as, information is provided sharing details for other local community events and activities, at facilities open to the public.

2. Grievances

Generally, grievances fall into three categories: complaints about others, complaints about the apartment and complaints about the property.

Grievances regarding others

The handling of grievances about others requires the Business Manager to assess the immediacy of the situation. If the grievance deals with an emergency or civil disturbance, management needs to determine whether or not the police or fire department needs to be, or has been notified, and whether to act quickly if a life or the property is threatened. Management does not get involved in civil disturbances, particularly fights resulting from domestic quarrels. These are situations for the police to handle. Management does however need to follow-up on these types of incidents and advise the offending resident(s) whether or not the disturbance will affect their tenancy. Complaints about others of a non-emergency nature are requested to have the complaint submitted in writing by the resident to the Business Manager. The Business Manager in turn will then complete an Incident Report, of which a copy will be kept in both residents' files and a copy sent to the Investment Manager. The alleged offending resident will be contacted and advise of a complaint against them without acknowledging the source of the complaint. Once resolved and/or actions taken (such as a warning notice), the Business Manager will inform the complaining party of what actions were taken and to communicate future occurrences, if any, to management pertaining to the original complaint. If necessary, a third-party mediation service may be utilized.

Grievances regarding the apartment unit

These grievances include requests for repairs and are handled by the means of a written service request. The resident is advised of the need for access to the apartment and either given permission to enter or an appointment is set to meet the resident to complete the repairs when they are present in the apartment. All repairs are completed during normal business hours and within a 24-hour period, if possible. If not, the resident will be notified of the reason for the delay and the anticipated date the work to be performed is completed. The maintenance technician will leave a copy of the completed service request in the resident's apartment. If parts are needed to complete the repair, this will be noted on the service request left in the apartment and will include the best estimated date for completion. In cases where it has been determined the required repair are caused by misuse, the Business Manager will notify the resident of the cost they will incur for the repair(s).

Grievances regarding the property

If the resident complains about the way the property is maintained, the Business Manager will make a written documentation of the maintenance items deemed deficient according to the resident. These criticisms, of the property are often important signals of resident dissatisfaction in other underlying areas not communicated to management. The Business Manager should actively listen to the resident and try to determine if there are indeed other areas of dissatisfaction and handle them appropriately. If some or all of the items require an expense outside the property's operations budget, the Investment Manager will be advised and, if valid, corrective measures will be decided upon that are deemed a reasonable resolution. The Agent/Owner will be notified in cases of the need for extreme expenditures required to correct the problem(s). All grievance responses to the resident are to be in writing. It is the responsibility of the Investment Manager to visit the property on a regular basis, and if requested, meet with the resident(s).

Fiscal Policy and Procedures

1. Bank Deposits – Cash Receipts

All rents are collected, and bank deposits handled at the on-site level. We utilize a "No Cash" policy. Depending on the number of personnel working at a site, segregation of duties policies is implemented. Typically, an assistant manager will log all checks received into the site computer system and deposit all checks received on a daily basis.

The site manager has the capability to pull up, on a daily basis, a detailed delinquency report and has primary responsibility for follow up on delinquent accounts receivable. The manager initiates eviction proceedings on delinquent residents as outlined in the previous section.

2. Banking Procedures

Each month a bank reconciliation for each operating and security deposit account is completed by a home office accounting personnel. All banking transfers and wire transfers will be initiated and approved by two separate individuals. No one shall have the authority to both initiate and approve any transaction. Indigo's President, Vice President of Operations, or Controller must sign off any banking transfer or wire transfer initiated before the approval process is completed.

Each individual that accesses online banking will have their own password and secure access or safe pass card/token. Bank accounts will be named with the legal entity name and list Indigo Real Estate Services and Trustee in accordance with state laws.

3. Petty Cash

Petty cash is to be kept in a locked safe at the property and is to be reconciled on a bi-monthly schedule. Petty cash is the responsibility of the site manager who must sign a waiver of acknowledgement before any petty cash is issued. Detailed receipts must be provided for reimbursement.

Accounting Systems

1. Financial and Operating Systems

The specialized apartment property management software suite used by Indigo is the web-based version of Yardi. The suite incorporates an integrated site management, accounting, and general ledger package. It also incorporates an accounts payable program that allows the property to compare actual to budgeted expenditures on a daily basis. The Yardi suite of products has a variety of different reports available to serve on-site personnel, supervisory level, and ownership representative needs.

2. Accounts Receivable

Once a resident has gone to the eviction process or has simply moved out with an outstanding balance, the site manager would make the first effort to recover the funds. Upon completing a detailed move-out report, the manager would accompany the report with a letter asking for all outstanding balances to be paid within a 30-day time frame. If the previous resident does not respond with payment or payment arrangements, the account is turned over to a collection agency. At this time, the resident's outstanding balance is written off to bad debt.

3. Accounts Payable

All account payable invoices are delivered to the site manager for approval. Once approved, the site manager enters the invoice into the Yardi module on the site computer system. The Yardi system tracks all outstanding accounts payable and compares actual to budget expenditures.

On a bi-weekly basis, the manager sends a summary of all BCL entries to the corporate office along with copies of outstanding invoices. The accounts payable department, then processes all invoices for payment. All accounts payable processed through the corporate office must be thoroughly reviewed by the portfolio accountants before submitting the batch to the controller for check processing. The controller will verify the AP batch and cut checks for each property. Each check will be signed by a partner of Indigo Real Estate and any check over $2,500 will require a second signature from a partner of Indigo Real Estate (President or Vice President of Operations). Under no circumstances will a signer or non-signer have authority or the ability to process an invoice and cut a check, these processes will be separated and handled individually.

Maintenance and Repairs Procedures

1. Inventory

Maintenance and repair related supply inventory is maintained at a sufficient level for efficient, timely site repairs. Personal property inventories including furniture, equipment is typically conducted twice a year.

2. Rent-ready

The process of turning over vacant apartments actually begins once a vacate notice is received. Shortly after all vacate notices are received for a given month: we decide to enter all apartments on notice to determine their specific maintenance needs. These inspections are typically done between the 10th and the 20th of the month, which gives us more than ten days to schedule upcoming maintenance or order needed parts and supplies. Our goal is to turn the majority of apartments within a three-to-five-day period and to take no more than ten days to turn apartments that need major repairs or replacements. The site staff performs the majority of turnover maintenance, with the exception of cleaning and carpet cleaning, which are done by outside contractors.

3. Routine and Cycle Maintenance

The site team will handle the majority of the day-to-day maintenance procedures, including most turnover maintenance and work orders from existing residents. Work that would not be performed by in-house staff would include specialized repairs such as complicated electrical or plumbing problems. In-house personnel also primarily perform the preventative (cycle) maintenance. The property manager and on-site staff on a property-specific basis set up preventative maintenance schedules. The site staff would take care of the majority of minor preventative maintenance issues such as gutter cleaning, pressure washing, and minor trim painting. More time consuming and specialized preventative maintenance issues such as chimney cleaning, roof cleaning or major painting projects would be done on a contract basis.

Part of the preventative maintenance program would include an annual inspection of all units. During inspection, all major components such as appliances and floor coverings would be reviewed to gauge upcoming capital replacement needs. The general structural soundness of the units would also be inspected to determine if there were any water leak issues or major structural problems. In addition, the annual inspection provides a good forum for determining where problem residents exist.

4. Work Orders

Resident requests for repairs are handled by the means of a written service request. Service requests can be submitted by phone or in person in the leasing office. Maintenance requests may be submitted online through the property website, if available. The resident is advised of the need for access to the apartment and either gives permission to enter or an appointment is set to meet the resident to complete the repairs when they are present in the apartment.

All repairs are completed during normal business hours and within a 24-hour period, if possible. If not, the resident will be notified of the reason for the delay and the anticipated date the work to be performed is completed. The maintenance technician will leave a copy of the completed service request in the resident's apartment. If parts are needed to complete the repair, this will be noted on the service request left in the apartment and will include the best estimated date for completion. In cases where it

has been determined the required repair are caused by misuse, the Business Manager will notify the resident of the cost they will incur for the repair(s).

5. After Hour Emergencies

After hour emergencies are handled by on call site personnel based on a rotating schedule or third-party monitoring services.

Appendix 11

Honolulu County Income Schedule By Family Size, HHFDC 2025

HONOLULU COUNTY INCOME SCHEDULE BY FAMILY SIZE 2025

THE FOLLOWING TABLE PRESENTS INCOME LIMITS BY FAMILY SIZE AND BY PERCENTAGES OF THE VERY LOW INCOME LEVELS ESTABLISHED BY HUD. THESE INCOME LIMITS SERVE AS GUIDELINES TO ESTABLISH SALES/RENTAL PREFERENCES.

		LIMITS BY FAMILY SIZE							
MEDIAN $129,300 Adjustments for family size		1 PERSON 0.7000	2 PERSON 0.8000	3 PERSON 0.9000	4 PERSON 1.0000	5 PERSON 1.0800	6 PERSON 1.1600	7 PERSON 1.2400	8 PERSON 1.3200
% of Income	10%	$10,640	$12,160	$13,680	$15,200	$16,420	$17,640	$18,850	$20,070
	20%	$21,280	$24,320	$27,360	$30,400	$32,840	$35,280	$37,700	$40,140
	30%	$31,920	$36,480	$41,040	$45,600	$49,260	$52,920	$56,550	$60,210
	40%	$42,560	$48,640	$54,720	$60,800	$65,680	$70,560	$75,400	$80,280
	50%	$53,200	$60,800	$68,400	$76,000	$82,100	$88,200	$94,250	$100,350
	60%	$63,840	$72,960	$82,080	$91,200	$98,520	$105,840	$113,100	$120,420
	70%	$74,480	$85,120	$95,760	$106,400	$114,940	$123,480	$131,950	$140,490
	80%	$85,120	$97,280	$109,440	$121,600	$131,360	$141,120	$150,800	$160,560
	90%	$95,760	$109,440	$123,120	$136,800	$147,780	$158,760	$169,650	$180,630
	100%	$106,400	$121,600	$136,800	$152,000	$164,200	$176,400	$188,500	$200,700
	110%	$117,040	$133,760	$150,480	$167,200	$180,620	$194,040	$207,350	$220,770
	120%	$127,680	$145,920	$164,160	$182,400	$197,040	$211,680	$226,200	$240,840
	130%	$138,320	$158,080	$177,840	$197,600	$213,460	$229,320	$245,050	$260,910
	140%	$148,960	$170,240	$191,520	$212,800	$229,880	$246,960	$263,900	$280,980

The U.S. Department of Housing and Urban Development (HUD) sets income limits that determine the eligibility of applicants for its assisted housing programs. HUD typically uses the Very Low-Income Limit (VLIL) as the basis for deriving other income limits. The VLIL is calculated by taking the 4-person income limit equal to 50% of the estimated median family income (based on the U.S. Census Bureau's ACS median family income estimates) and making adjustments if this income is outside formula constraints. For example, the VLIL is increased for areas where rental housing costs are unusually high in relation to the median income or if it is less that the relevant State non-metropolitan median family income level.
See https://www.huduser.gov/portal/datasets/il.html#faq_2025

These income limits are not used for projects funded with tax credits under section 42 of the Internal Revenue Code and projects financed with tax exempt housing bonds issued to provide qualified residential rental development under section 142 of the Internal Revenue Code, i.e., LITHC, RHRF, etc. Go to HHFDC's website at https://dbedt.hawaii.gov/hhfdc/files/2025/04/2025-MTSP-Income-Limits-2025-04-01.pdf for tax credit rental program projects.

NOTE: This chart is provided as a guide only. You are responsible to ensure the accuracy of the numbers.

AFFORDABLE RENT GUIDELINES* 2025

Affordable rents are based on 30% of income (including utilities)**

Area	$129,300	Studio	1 Bedroom	2 Bedroom	3 Bedroom	4 Bedroom
HONOLULU COUNTY						
30% of Median		$798	$855	$1,026	$1,185	$1,323
50% of Median		$1,330	$1,425	$1,710	$1,976	$2,205
60% of Median		$1,596	$1,710	$2,052	$2,371	$2,646
80% of Median		$2,128	$2,280	$2,736	$3,162	$3,528
100% of Median		$2,660	$2,850	$3,420	$3,952	$4,410
120% of Median		$3,192	$3,420	$4,104	$4,743	$5,292
140% of Median		$3,724	$3,990	$4,788	$5,533	$6,174

*Please note that area market rents may be lower than these rent guidelines.

**Monthly rent levels would include the cost of the following utilities: water, sanitary sewage services, electricity and gas (where applicable). Please refer to the Utility Allowance Schedule for each island.

HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 1 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$53,200	$63,840	$74,480	$85,120	$95,760	$106,400	$117,040	$127,680	$138,320	$148,960
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$273,700	$328,400	$383,200	$437,900	$492,700	$547,400	$602,100	$656,900	$711,600	$766,300
4.25%	$265,600	$318,700	$371,900	$425,000	$478,100	$531,200	$584,400	$637,500	$690,600	$743,700
4.50%	$257,900	$309,500	$361,000	$412,600	$464,200	$515,800	$567,300	$618,900	$670,500	$722,100
4.75%	$250,500	$300,600	$350,700	$400,800	$450,900	$501,000	$551,100	$601,200	$651,300	$701,400
5.00%	$243,400	$292,100	$340,800	$389,500	$438,100	$486,800	$535,500	$584,200	$632,900	$681,500
5.25%	$236,600	$284,000	$331,300	$378,600	$425,900	$473,300	$520,600	$567,900	$615,200	$662,600
5.50%	$230,100	$276,200	$322,200	$368,200	$414,200	$460,300	$506,300	$552,300	$598,300	$644,400
5.75%	$223,900	$268,700	$313,500	$358,300	$403,000	$447,800	$492,600	$537,400	$582,200	$626,900
6.00%	$217,900	$261,500	$305,100	$348,700	$392,300	$435,900	$479,500	$523,100	$566,600	$610,200
6.25%	$212,200	$254,700	$297,100	$339,500	$382,000	$424,400	$466,900	$509,300	$551,800	$594,200
6.50%	$206,700	$248,100	$289,400	$330,800	$372,100	$413,500	$454,800	$496,100	$537,500	$578,800
6.75%	$201,500	$241,800	$282,000	$322,300	$362,600	$402,900	$443,200	$483,500	$523,800	$564,100
7.00%	$196,400	$235,700	$275,000	$314,200	$353,500	$392,800	$432,100	$471,400	$510,600	$549,900
7.25%	$191,500	$229,900	$268,200	$306,500	$344,800	$383,100	$421,400	$459,700	$498,000	$536,300
7.50%	$186,900	$224,300	$261,600	$299,000	$336,400	$373,800	$411,100	$448,500	$485,900	$523,300

Sales prices shown are upper limits that may not be acceptable to the HHFDC or supported by the market.

Housing costs such as maintenance fees, property taxes, utility fees and other home ownership costs are also evaluated when establishing project-specific sales prices.

Prices are established based upon anticipated interest rates at the time of closing of unit sales.

1. Based on **2025** Very low income levels established by HUD for various family sizes. See the "Income Schedule by Family Size" table for a more detailed explanation.
2. Mortgage term: **30 years** 360 Monthly Payments.
3. Mortgage Expense of: **28%** Principal and Interest (P&I) only.
4. Down Payment of: 5.00%
5. Max Housing Expense: 38.00% Max pricing can be affected downward if the sum of the monthly costs of P&I, real property taxes, HOA and/or maintenance fees, private mortgage insurance, homeowner's insurance and lease rent, if any, exceeds this percent of monthly income.

HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 2 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$60,800	$72,960	$85,120	$97,280	$109,440	$121,600	$133,760	$145,920	$158,080	$170,240
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$312,800	$375,400	$437,900	$500,500	$563,000	$625,600	$688,100	$750,700	$813,300	$875,800
4.25%	$303,600	$364,300	$425,000	$485,700	$546,400	$607,100	$667,800	$728,500	$789,300	$850,000
4.50%	$294,700	$353,700	$412,600	$471,600	$530,500	$589,500	$648,400	$707,300	$766,300	$825,200
4.75%	$286,300	$343,500	$400,800	$458,000	$515,300	$572,500	$629,800	$687,100	$744,300	$801,600
5.00%	$278,200	$333,800	$389,500	$445,100	$500,700	$556,400	$612,000	$667,600	$723,300	$778,900
5.25%	$270,400	$324,500	$378,600	$432,700	$486,800	$540,900	$594,900	$649,000	$703,100	$757,200
5.50%	$263,000	$315,600	$368,200	$420,800	$473,400	$526,000	$578,600	$631,200	$683,800	$736,400
5.75%	$255,900	$307,100	$358,300	$409,400	$460,600	$511,800	$563,000	$614,100	$665,300	$716,500
6.00%	$249,100	$298,900	$348,700	$398,500	$448,300	$498,200	$548,000	$597,800	$647,600	$697,400
6.25%	$242,500	$291,000	$339,500	$388,100	$436,600	$485,100	$533,600	$582,100	$630,600	$679,100
6.50%	$236,300	$283,500	$330,800	$378,000	$425,300	$472,500	$519,800	$567,000	$614,300	$661,500
6.75%	$230,200	$276,300	$322,300	$368,400	$414,400	$460,500	$506,500	$552,600	$598,600	$644,700
7.00%	$224,500	$269,400	$314,200	$359,100	$404,000	$448,900	$493,800	$538,700	$583,600	$628,500
7.25%	$218,900	$262,700	$306,500	$350,300	$394,000	$437,800	$481,600	$525,400	$569,200	$612,900
7.50%	$213,600	$256,300	$299,000	$341,700	$384,400	$427,100	$469,900	$512,600	$555,300	$598,000

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2. Mortgage term: **30 years** 360 Monthly Payments.
3. Mortgage Expense of: **28%** Principal and Interest (P&I) only.
4. Down Payment of: **5.00%**
5. Max Housing Expense: **38.00%** Max pricing can be affected downward if the sum of the monthly costs of P&I, real property taxes, HOA and/or maintenance fees, private mortgage insurance, homeowner's insurance and lease rent, if any, exceeds this percent of monthly income.

HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 3 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$68,400	$82,080	$95,760	$109,440	$123,120	$136,800	$150,480	$164,160	$177,840	$191,520
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$351,900	$422,300	$492,700	$563,000	$633,400	$703,800	$774,200	$844,500	$914,900	$985,300
4.25%	$341,500	$409,800	$478,100	$546,400	$614,700	$683,000	$751,300	$819,600	$887,900	$956,200
4.50%	$331,600	$397,900	$464,200	$530,500	$596,800	$663,100	$729,400	$795,800	$862,100	$928,400
4.75%	$322,100	$386,500	$450,900	$515,300	$579,700	$644,100	$708,500	$772,900	$837,300	$901,800
5.00%	$313,000	$375,500	$438,100	$500,700	$563,300	$625,900	$688,500	$751,100	$813,700	$876,300
5.25%	$304,200	$365,100	$425,900	$486,800	$547,600	$608,500	$669,300	$730,200	$791,000	$851,900
5.50%	$295,900	$355,100	$414,200	$473,400	$532,600	$591,800	$650,900	$710,100	$769,300	$828,500
5.75%	$287,900	$345,500	$403,000	$460,600	$518,200	$575,800	$633,300	$690,900	$748,500	$806,100
6.00%	$280,200	$336,300	$392,300	$448,300	$504,400	$560,400	$616,500	$672,500	$728,500	$784,600
6.25%	$272,900	$327,400	$382,000	$436,600	$491,100	$545,700	$600,300	$654,800	$709,400	$764,000
6.50%	$265,800	$319,000	$372,100	$425,300	$478,400	$531,600	$584,700	$637,900	$691,100	$744,200
6.75%	$259,000	$310,800	$362,600	$414,400	$466,200	$518,000	$569,800	$621,600	$673,500	$725,300
7.00%	$252,500	$303,000	$353,500	$404,000	$454,500	$505,000	$555,500	$606,000	$656,500	$707,000
7.25%	$246,300	$295,500	$344,800	$394,000	$443,300	$492,500	$541,800	$591,000	$640,300	$689,600
7.50%	$240,300	$288,300	$336,400	$384,400	$432,500	$480,500	$528,600	$576,600	$624,700	$672,800

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HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 4 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$76,000	$91,200	$106,400	$121,600	$136,800	$152,000	$167,200	$182,400	$197,600	$212,800
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$391,000	$469,200	$547,400	$625,600	$703,800	$782,000	$860,200	$938,400	$1,016,600	$1,094,800
4.25%	$379,500	$455,300	$531,200	$607,100	$683,000	$758,900	$834,800	$910,700	$986,600	$1,062,500
4.50%	$368,400	$442,100	$515,800	$589,500	$663,100	$736,800	$810,500	$884,200	$957,900	$1,031,500
4.75%	$357,800	$429,400	$501,000	$572,500	$644,100	$715,700	$787,200	$858,800	$930,400	$1,002,000
5.00%	$347,700	$417,300	$486,800	$556,400	$625,900	$695,500	$765,000	$834,500	$904,100	$973,600
5.25%	$338,000	$405,600	$473,300	$540,900	$608,500	$676,100	$743,700	$811,300	$878,900	$946,500
5.50%	$328,800	$394,500	$460,300	$526,000	$591,800	$657,500	$723,300	$789,000	$854,800	$920,500
5.75%	$319,900	$383,800	$447,800	$511,800	$575,800	$639,700	$703,700	$767,700	$831,700	$895,600
6.00%	$311,300	$373,600	$435,900	$498,200	$560,400	$622,700	$685,000	$747,200	$809,500	$871,800
6.25%	$303,200	$363,800	$424,400	$485,100	$545,700	$606,300	$667,000	$727,600	$788,200	$848,900
6.50%	$295,300	$354,400	$413,500	$472,500	$531,600	$590,700	$649,700	$708,800	$767,800	$826,900
6.75%	$287,800	$345,400	$402,900	$460,500	$518,000	$575,600	$633,200	$690,700	$748,300	$805,800
7.00%	$280,600	$336,700	$392,800	$448,900	$505,000	$561,100	$617,300	$673,400	$729,500	$785,600
7.25%	$273,600	$328,400	$383,100	$437,800	$492,500	$547,300	$602,000	$656,700	$711,400	$766,200
7.50%	$267,000	$320,400	$373,800	$427,100	$480,500	$533,900	$587,300	$640,700	$694,100	$747,500

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HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 5 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$82,100	$98,520	$114,940	$131,360	$147,780	$164,200	$180,620	$197,040	$213,460	$229,880
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$422,400	$506,900	$591,300	$675,800	$760,300	$844,800	$929,200	$1,013,700	$1,098,200	$1,182,700
4.25%	$409,900	$491,900	$573,900	$655,800	$737,800	$819,800	$901,800	$983,800	$1,065,800	$1,147,700
4.50%	$398,000	$477,600	$557,200	$636,800	$716,400	$796,000	$875,500	$955,100	$1,034,700	$1,114,300
4.75%	$386,600	$463,900	$541,200	$618,500	$695,800	$773,100	$850,400	$927,700	$1,005,100	$1,082,400
5.00%	$375,600	$450,800	$525,900	$601,000	$676,100	$751,300	$826,400	$901,500	$976,700	$1,051,800
5.25%	$365,200	$438,200	$511,200	$584,300	$657,300	$730,300	$803,400	$876,400	$949,400	$1,022,500
5.50%	$355,100	$426,200	$497,200	$568,200	$639,300	$710,300	$781,300	$852,400	$923,400	$994,400
5.75%	$345,500	$414,700	$483,800	$552,900	$622,000	$691,100	$760,200	$829,300	$898,400	$967,500
6.00%	$336,300	$403,600	$470,900	$538,100	$605,400	$672,700	$739,900	$807,200	$874,500	$941,700
6.25%	$327,500	$393,000	$458,500	$524,000	$589,500	$655,000	$720,500	$786,000	$851,500	$917,000
6.50%	$319,000	$382,800	$446,600	$510,400	$574,300	$638,100	$701,900	$765,700	$829,500	$893,300
6.75%	$310,900	$373,100	$435,300	$497,400	$559,600	$621,800	$684,000	$746,200	$808,300	$870,500
7.00%	$303,100	$363,700	$424,300	$485,000	$545,600	$606,200	$666,800	$727,400	$788,000	$848,700
7.25%	$295,600	$354,700	$413,800	$473,000	$532,100	$591,200	$650,300	$709,400	$768,600	$827,700
7.50%	$288,400	$346,100	$403,800	$461,400	$519,100	$576,800	$634,500	$692,100	$749,800	$807,500

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HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 6 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$88,200	$105,840	$123,480	$141,120	$158,760	$176,400	$194,040	$211,680	$229,320	$246,960
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$453,800	$544,500	$635,300	$726,000	$816,800	$907,500	$998,300	$1,089,000	$1,179,800	$1,270,500
4.25%	$440,400	$528,400	$616,500	$704,600	$792,700	$880,700	$968,800	$1,056,900	$1,144,900	$1,233,000
4.50%	$427,500	$513,100	$598,600	$684,100	$769,600	$855,100	$940,600	$1,026,100	$1,111,600	$1,197,100
4.75%	$415,300	$498,300	$581,400	$664,500	$747,500	$830,600	$913,600	$996,700	$1,079,700	$1,162,800
5.00%	$403,500	$484,300	$565,000	$645,700	$726,400	$807,100	$887,800	$968,500	$1,049,200	$1,129,900
5.25%	$392,300	$470,800	$549,200	$627,700	$706,100	$784,600	$863,100	$941,500	$1,020,000	$1,098,500
5.50%	$381,500	$457,800	$534,100	$610,500	$686,800	$763,100	$839,400	$915,700	$992,000	$1,068,300
5.75%	$371,200	$445,500	$519,700	$593,900	$668,200	$742,400	$816,700	$890,900	$965,200	$1,039,400
6.00%	$361,300	$433,600	$505,900	$578,100	$650,400	$722,600	$794,900	$867,200	$939,400	$1,011,700
6.25%	$351,800	$422,200	$492,600	$562,900	$633,300	$703,700	$774,000	$844,400	$914,800	$985,100
6.50%	$342,700	$411,300	$479,800	$548,400	$616,900	$685,500	$754,000	$822,600	$891,100	$959,700
6.75%	$334,000	$400,800	$467,600	$534,400	$601,200	$668,000	$734,800	$801,600	$868,400	$935,200
7.00%	$325,600	$390,700	$455,900	$521,000	$586,100	$651,200	$716,400	$781,500	$846,600	$911,700
7.25%	$317,600	$381,100	$444,600	$508,100	$571,600	$635,100	$698,600	$762,100	$825,700	$889,200
7.50%	$309,800	$371,800	$433,700	$495,700	$557,700	$619,600	$681,600	$743,600	$805,500	$867,500

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HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 7 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$94,250	$113,100	$131,950	$150,800	$169,650	$188,500	$207,350	$226,200	$245,050	$263,900
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$484,900	$581,900	$678,800	$775,800	$872,800	$969,800	$1,066,700	$1,163,700	$1,260,700	$1,357,700
4.25%	$470,600	$564,700	$658,800	$752,900	$847,000	$941,100	$1,035,200	$1,129,400	$1,223,500	$1,317,600
4.50%	$456,900	$548,200	$639,600	$731,000	$822,400	$913,700	$1,005,100	$1,096,500	$1,187,900	$1,279,200
4.75%	$443,800	$532,500	$621,300	$710,000	$798,800	$887,500	$976,300	$1,065,000	$1,153,800	$1,242,600
5.00%	$431,200	$517,500	$603,700	$690,000	$776,200	$862,500	$948,700	$1,034,900	$1,121,200	$1,207,400
5.25%	$419,200	$503,100	$586,900	$670,700	$754,600	$838,400	$922,300	$1,006,100	$1,090,000	$1,173,800
5.50%	$407,700	$489,200	$570,800	$652,300	$733,900	$815,400	$897,000	$978,500	$1,060,000	$1,141,600
5.75%	$396,700	$476,000	$555,400	$634,700	$714,000	$793,400	$872,700	$952,000	$1,031,400	$1,110,700
6.00%	$386,100	$463,300	$540,600	$617,800	$695,000	$772,200	$849,400	$926,700	$1,003,900	$1,081,100
6.25%	$376,000	$451,200	$526,400	$601,600	$676,700	$751,900	$827,100	$902,300	$977,500	$1,052,700
6.50%	$366,200	$439,500	$512,700	$586,000	$659,200	$732,500	$805,700	$879,000	$952,200	$1,025,500
6.75%	$356,900	$428,300	$499,700	$571,100	$642,400	$713,800	$785,200	$856,600	$928,000	$999,300
7.00%	$347,900	$417,500	$487,100	$556,700	$626,300	$695,900	$765,500	$835,100	$904,700	$974,300
7.25%	$339,300	$407,200	$475,100	$542,900	$610,800	$678,700	$746,600	$814,400	$882,300	$950,200
7.50%	$331,100	$397,300	$463,500	$529,700	$595,900	$662,100	$728,400	$794,600	$860,800	$927,000

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HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU FAMILY SIZE: 8 PERSON

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$100,350	$120,420	$140,490	$160,560	$180,630	$200,700	$220,770	$240,840	$260,910	$280,980
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$516,300	$619,500	$722,800	$826,000	$929,300	$1,032,500	$1,135,800	$1,239,000	$1,342,300	$1,445,500
4.25%	$501,000	$601,200	$701,400	$801,600	$901,800	$1,002,000	$1,102,300	$1,202,500	$1,302,700	$1,402,900
4.50%	$486,400	$583,700	$681,000	$778,300	$875,600	$972,900	$1,070,200	$1,167,500	$1,264,800	$1,362,000
4.75%	$472,500	$567,000	$661,500	$756,000	$850,500	$945,000	$1,039,500	$1,134,000	$1,228,500	$1,323,000
5.00%	$459,100	$551,000	$642,800	$734,600	$826,400	$918,300	$1,010,100	$1,101,900	$1,193,800	$1,285,600
5.25%	$446,300	$535,600	$624,900	$714,200	$803,400	$892,700	$982,000	$1,071,200	$1,160,500	$1,249,800
5.50%	$434,100	$520,900	$607,700	$694,600	$781,400	$868,200	$955,000	$1,041,800	$1,128,600	$1,215,500
5.75%	$422,400	$506,800	$591,300	$675,800	$760,200	$844,700	$929,200	$1,013,600	$1,098,100	$1,182,600
6.00%	$411,100	$493,300	$575,500	$657,800	$740,000	$822,200	$904,400	$986,600	$1,068,900	$1,151,100
6.25%	$400,300	$480,400	$560,400	$640,500	$720,500	$800,600	$880,700	$960,700	$1,040,800	$1,120,800
6.50%	$389,900	$467,900	$545,900	$623,900	$701,900	$779,900	$857,900	$935,900	$1,013,900	$1,091,900
6.75%	$380,000	$456,000	$532,000	$608,000	$684,000	$760,000	$836,000	$912,000	$988,000	$1,064,000
7.00%	$370,500	$444,600	$518,700	$592,700	$666,800	$740,900	$815,000	$889,100	$963,200	$1,037,300
7.25%	$361,300	$433,600	$505,800	$578,100	$650,300	$722,600	$794,900	$867,100	$939,400	$1,011,700
7.50%	$352,500	$423,000	$493,500	$564,000	$634,500	$705,000	$775,500	$846,000	$916,500	$987,000

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2. Mortgage term: **30 years** 360 Monthly Payments.
3. Mortgage Expense of: **28%** Principal and Interest (P&I) only.
4. Down Payment of: **5.00%**
5. Max Housing Expense: **38.00%** Max pricing can be affected downward if the sum of the monthly costs of P&I, real property taxes, HOA and/or maintenance fees, private mortgage insurance, homeowner's insurance and lease rent, if any, exceeds this percent of monthly income.

HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU BEDROOMS: 0 BEDROOMS (Studio)

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$53,200	$63,840	$74,480	$85,120	$95,760	$106,400	$117,040	$127,680	$138,320	$148,960
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$273,700	$328,400	$383,200	$437,900	$492,700	$547,400	$602,100	$656,900	$711,600	$766,300
4.25%	$265,600	$318,700	$371,900	$425,000	$478,100	$531,200	$584,400	$637,500	$690,600	$743,700
4.50%	$257,900	$309,500	$361,000	$412,600	$464,200	$515,800	$567,300	$618,900	$670,500	$722,100
4.75%	$250,500	$300,600	$350,700	$400,800	$450,900	$501,000	$551,100	$601,200	$651,300	$701,400
5.00%	$243,400	$292,100	$340,800	$389,500	$438,100	$486,800	$535,500	$584,200	$632,900	$681,500
5.25%	$236,600	$284,000	$331,300	$378,600	$425,900	$473,300	$520,600	$567,900	$615,200	$662,600
5.50%	$230,100	$276,200	$322,200	$368,200	$414,200	$460,300	$506,300	$552,300	$598,300	$644,400
5.75%	$223,900	$268,700	$313,500	$358,300	$403,000	$447,800	$492,600	$537,400	$582,200	$626,900
6.00%	$217,900	$261,500	$305,100	$348,700	$392,300	$435,900	$479,500	$523,100	$566,600	$610,200
6.25%	$212,200	$254,700	$297,100	$339,500	$382,000	$424,400	$466,900	$509,300	$551,800	$594,200
6.50%	$206,700	$248,100	$289,400	$330,800	$372,100	$413,500	$454,800	$496,100	$537,500	$578,800
6.75%	$201,500	$241,800	$282,000	$322,300	$362,600	$402,900	$443,200	$483,500	$523,800	$564,100
7.00%	$196,400	$235,700	$275,000	$314,200	$353,500	$392,800	$432,100	$471,400	$510,600	$549,900
7.25%	$191,500	$229,900	$268,200	$306,500	$344,800	$383,100	$421,400	$459,700	$498,000	$536,300
7.50%	$186,900	$224,300	$261,600	$299,000	$336,400	$373,800	$411,100	$448,500	$485,900	$523,300

Pricing reflects occupancy guidelines set forth in section **15-308-25 HAR** (0-Bedroom/Studio-1 person; 1 Bedroom-2 persons; 2 Bedrooms-3 persons; 3-Bedroom-4 persons; 4 Bedroom-5 persons).

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3. Mortgage Expense of: **28%** Principal and Interest (P&I) only.
4. Down Payment of: **5.00%**
5. Max Housing Expense: **38.00%** Max pricing can be affected downward if the sum of the monthly costs of P&I, real property taxes, HOA and/or maintenance fees, private mortgage insurance, homeowner's insurance and lease rent, if any, exceeds this percent of monthly income.

HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU BEDROOMS: 1 BEDROOMS

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$60,800	$72,960	$85,120	$97,280	$109,440	$121,600	$133,760	$145,920	$158,080	$170,240
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$312,800	$375,400	$437,900	$500,500	$563,000	$625,600	$688,100	$750,700	$813,300	$875,800
4.25%	$303,600	$364,300	$425,000	$485,700	$546,400	$607,100	$667,800	$728,500	$789,300	$850,000
4.50%	$294,700	$353,700	$412,600	$471,600	$530,500	$589,500	$648,400	$707,300	$766,300	$825,200
4.75%	$286,300	$343,500	$400,800	$458,000	$515,300	$572,500	$629,800	$687,100	$744,300	$801,600
5.00%	$278,200	$333,800	$389,500	$445,100	$500,700	$556,400	$612,000	$667,600	$723,300	$778,900
5.25%	$270,400	$324,500	$378,600	$432,700	$486,800	$540,900	$594,900	$649,000	$703,100	$757,200
5.50%	$263,000	$315,600	$368,200	$420,800	$473,400	$526,000	$578,600	$631,200	$683,800	$736,400
5.75%	$255,900	$307,100	$358,300	$409,400	$460,600	$511,800	$563,000	$614,100	$665,300	$716,500
6.00%	$249,100	$298,900	$348,700	$398,500	$448,300	$498,200	$548,000	$597,800	$647,600	$697,400
6.25%	$242,500	$291,000	$339,500	$388,100	$436,600	$485,100	$533,600	$582,100	$630,600	$679,100
6.50%	$236,300	$283,500	$330,800	$378,000	$425,300	$472,500	$519,800	$567,000	$614,300	$661,500
6.75%	$230,200	$276,300	$322,300	$368,400	$414,400	$460,500	$506,500	$552,600	$598,600	$644,700
7.00%	$224,500	$269,400	$314,200	$359,100	$404,000	$448,900	$493,800	$538,700	$583,600	$628,500
7.25%	$218,900	$262,700	$306,500	$350,300	$394,000	$437,800	$481,600	$525,400	$569,200	$612,900
7.50%	$213,600	$256,300	$299,000	$341,700	$384,400	$427,100	$469,900	$512,600	$555,300	$598,000

Pricing reflects occupancy guidelines set forth in section 15-308-25 HAR (0-Bedroom/Studio-1 person; 1 Bedroom-2 persons; 2 Bedrooms-3 persons; 3-Bedroom-4 persons; 4 Bedroom-5 persons).

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3. Mortgage Expense of: **28%** Principal and Interest (P&I) only.
4. Down Payment of: **5.00%**
5. Max Housing Expense: **38.00%** Max pricing can be affected downward if the sum of the monthly costs of P&I, real property taxes, HOA and/or maintenance fees, private mortgage insurance, homeowner's insurance and lease rent, if any, exceeds this percent of monthly income.

HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU BEDROOMS: 2 BEDROOMS

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$68,400	$82,080	$95,760	$109,440	$123,120	$136,800	$150,480	$164,160	$177,840	$191,520
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$351,900	$422,300	$492,700	$563,000	$633,400	$703,800	$774,200	$844,500	$914,900	$985,300
4.25%	$341,500	$409,800	$478,100	$546,400	$614,700	$683,000	$751,300	$819,600	$887,900	$956,200
4.50%	$331,600	$397,900	$464,200	$530,500	$596,800	$663,100	$729,400	$795,800	$862,100	$928,400
4.75%	$322,100	$386,500	$450,900	$515,300	$579,700	$644,100	$708,500	$772,900	$837,300	$901,800
5.00%	$313,000	$375,500	$438,100	$500,700	$563,300	$625,900	$688,500	$751,100	$813,700	$876,300
5.25%	$304,200	$365,100	$425,900	$486,800	$547,600	$608,500	$669,300	$730,200	$791,000	$851,900
5.50%	$295,900	$355,100	$414,200	$473,400	$532,600	$591,800	$650,900	$710,100	$769,300	$828,500
5.75%	$287,900	$345,500	$403,000	$460,600	$518,200	$575,800	$633,300	$690,900	$748,500	$806,100
6.00%	$280,200	$336,300	$392,300	$448,300	$504,400	$560,400	$616,500	$672,500	$728,500	$784,600
6.25%	$272,900	$327,400	$382,000	$436,600	$491,100	$545,700	$600,300	$654,800	$709,400	$764,000
6.50%	$265,800	$319,000	$372,100	$425,300	$478,400	$531,600	$584,700	$637,900	$691,100	$744,200
6.75%	$259,000	$310,800	$362,600	$414,400	$466,200	$518,000	$569,800	$621,600	$673,500	$725,300
7.00%	$252,500	$303,000	$353,500	$404,000	$454,500	$505,000	$555,500	$606,000	$656,500	$707,000
7.25%	$246,300	$295,500	$344,800	$394,000	$443,300	$492,500	$541,800	$591,000	$640,300	$689,600
7.50%	$240,300	$288,300	$336,400	$384,400	$432,500	$480,500	$528,600	$576,600	$624,700	$672,800

Pricing reflects occupancy guidelines set forth in section 15-308-25 HAR (0-Bedroom/Studio-1 person; 1 Bedroom-2 persons; 2 Bedrooms-3 persons; 3-Bedroom-4 persons; 4 Bedroom-5 persons).

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HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: HONOLULU BEDROOMS: 3 BEDROOMS

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$76,000	$91,200	$106,400	$121,600	$136,800	$152,000	$167,200	$182,400	$197,600	$212,800
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$391,000	$469,200	$547,400	$625,600	$703,800	$782,000	$860,200	$938,400	$1,016,600	$1,094,800
4.25%	$379,500	$455,300	$531,200	$607,100	$683,000	$758,900	$834,800	$910,700	$986,600	$1,062,500
4.50%	$368,400	$442,100	$515,800	$589,500	$663,100	$736,800	$810,500	$884,200	$957,900	$1,031,500
4.75%	$357,800	$429,400	$501,000	$572,500	$644,100	$715,700	$787,200	$858,800	$930,400	$1,002,000
5.00%	$347,700	$417,300	$486,800	$556,400	$625,900	$695,500	$765,000	$834,500	$904,100	$973,600
5.25%	$338,000	$405,600	$473,300	$540,900	$608,500	$676,100	$743,700	$811,300	$878,900	$946,500
5.50%	$328,800	$394,500	$460,300	$526,000	$591,800	$657,500	$723,300	$789,000	$854,800	$920,500
5.75%	$319,900	$383,800	$447,800	$511,800	$575,800	$639,700	$703,700	$767,700	$831,700	$895,600
6.00%	$311,300	$373,600	$435,900	$498,200	$560,400	$622,700	$685,000	$747,200	$809,500	$871,800
6.25%	$303,200	$363,800	$424,400	$485,100	$545,700	$606,300	$667,000	$727,600	$788,200	$848,900
6.50%	$295,300	$354,400	$413,500	$472,500	$531,600	$590,700	$649,700	$708,800	$767,800	$826,900
6.75%	$287,800	$345,400	$402,900	$460,500	$518,000	$575,600	$633,200	$690,700	$748,300	$805,800
7.00%	$280,600	$336,700	$392,800	$448,900	$505,000	$561,100	$617,300	$673,400	$729,500	$785,600
7.25%	$273,600	$328,400	$383,100	$437,800	$492,500	$547,300	$602,000	$656,700	$711,400	$766,200
7.50%	$267,000	$320,400	$373,800	$427,100	$480,500	$533,900	$587,300	$640,700	$694,100	$747,500

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HONOLULU COUNTY AFFORDABLE SALES PRICE GUIDELINES* 2025

COUNTY: **HONOLULU** BEDROOMS: **4 BEDROOMS**

% of Median:	50%	60%	70%	80%	90%	100%	110%	120%	130%	140%
$ Income:	$82,100	$98,520	$114,940	$131,360	$147,780	$164,200	$180,620	$197,040	$213,460	$229,880
0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4.00%	$422,400	$506,900	$591,300	$675,800	$760,300	$844,800	$929,200	$1,013,700	$1,098,200	$1,182,700
4.25%	$409,900	$491,900	$573,900	$655,800	$737,800	$819,800	$901,800	$983,800	$1,065,800	$1,147,700
4.50%	$398,000	$477,600	$557,200	$636,800	$716,400	$796,000	$875,500	$955,100	$1,034,700	$1,114,300
4.75%	$386,600	$463,900	$541,200	$618,500	$695,800	$773,100	$850,400	$927,700	$1,005,100	$1,082,400
5.00%	$375,600	$450,800	$525,900	$601,000	$676,100	$751,300	$826,400	$901,500	$976,700	$1,051,800
5.25%	$365,200	$438,200	$511,200	$584,300	$657,300	$730,300	$803,400	$876,400	$949,400	$1,022,500
5.50%	$355,100	$426,200	$497,200	$568,200	$639,300	$710,300	$781,300	$852,400	$923,400	$994,400
5.75%	$345,500	$414,700	$483,800	$552,900	$622,000	$691,100	$760,200	$829,300	$898,400	$967,500
6.00%	$336,300	$403,600	$470,900	$538,100	$605,400	$672,700	$739,900	$807,200	$874,500	$941,700
6.25%	$327,500	$393,000	$458,500	$524,000	$589,500	$655,000	$720,500	$786,000	$851,500	$917,000
6.50%	$319,000	$382,800	$446,600	$510,400	$574,300	$638,100	$701,900	$765,700	$829,500	$893,300
6.75%	$310,900	$373,100	$435,300	$497,400	$559,600	$621,800	$684,000	$746,200	$808,300	$870,500
7.00%	$303,100	$363,700	$424,300	$485,000	$545,600	$606,200	$666,800	$727,400	$788,000	$848,700
7.25%	$295,600	$354,700	$413,800	$473,000	$532,100	$591,200	$650,300	$709,400	$768,600	$827,700
7.50%	$288,400	$346,100	$403,800	$461,400	$519,100	$576,800	$634,500	$692,100	$749,800	$807,500

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Appendix 12

Applicant's Experience

APPENDIX 11

KOBAYASHI GROUP



ALANA KOBAYASHI PAKKALA

Partner & Chief Executive Officer

RESUME

Alana Kobayashi Pakkala is Partner and Chief Executive Officer of Kobayashi Group LLC (KG), where she has played a key leadership role for over two decades. With expertise spanning architecture and interior design, pro-forma analysis, construction oversight, and sales and marketing, she has been instrumental in shaping many of the firm's most high-profile projects.

Ms. Pakkala began her career at Kobayashi Group managing the successful Kapolei Kai community, and went on to lead a series of award-winning luxury high-rise developments, including Hokua at 1288 Ala Moana, Capitol Place, ONE Ala Moana, as well as the ultra-luxury Park Lane Ala Moana—an iconic property that redefined resort living in Honolulu with its innovative design and world-class amenities. She also launched the firm's Luxury Spec Home division, overseeing standout properties such as the 7,600-square-foot Alii Penthouse at Hokua, and custom lifestyle homes at Kukio Golf and Beach Club. Today, she is leading efforts to address Hawaii's critical housing needs through a portfolio that includes both luxury and affordable developments, such as Hale Kalele and Parkway Village, Kuilei Place, and Alia.

Born and raised in Honolulu, Ms. Pakkala is a graduate of Hanahauoli School, Punahou School, and Georgetown University. Deeply committed to strengthening Hawaii's communities, she is currently a member of the Parkway Village Preschool Governing Board (PACT), recently served on the board of Hawaiian Electric, and also served on the boards of Kapiolani Medical Center for Women and Children and Oahu Transit Services. She previously chaired the City and County of Honolulu's Community Development Block Grant Committee. Ms. Pakkala was recognized as a Woman of Distinction by the Girl Scouts of Hawaii and was named one of Pacific Business News' Women Who Mean Business in 2021.



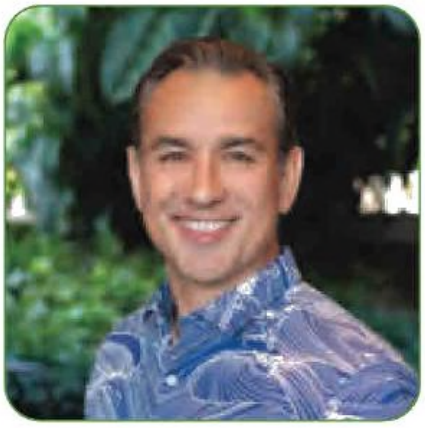
PATRICK K. KOBAYASHI

Partner & Chairman of the Board

RESUME

Patrick K. Kobayashi is Partner and Chairman of Kobayashi Group LLC, in Honolulu, Hawaii. With more than 28 years of experience in the real estate industry, he provides fiscal management and marketing and sales direction for the company's many projects. He also manages sales and leasing for KG developments, such as Park Lane Ala Moana, Kapolei Commons, Kona Commons, and Hokua office and retail. Mr. Kobayashi also led the development of affordable housing projects, including Napili Villas on Maui and Kapolei Kai on Oahu. Other public projects include Kapolei Middle School, Kapolei High School, Kapolei Civic Center, Bernice Pauahi Bishop Museum Science Adventure Center, Queen's Medical Center's parking structure, University of Hawaii Cancer Center and Kapiolani Medical Center for Women and Children's Parking Structure and Neonatal and Pediatric Intensive Care Unit building. Prior to joining Kobayashi Group, he worked for the National Association of Home Builders in Washington, D.C.

Mr. Kobayashi was born and raised in Hawaii, and is a graduate of Georgetown University Business School. He is active in the community and currently serves on the Mid-Pacific Institute Board of Trustees as Vice Chair, and sits on the Hawaii Red Cross Board, where he previously served as the Board Chair. He is also involved with the Hawaii Community Development Authority (HCDA), Hawaii Community Foundation's Fresh Water Initiative, is co-chair of the Straub Benioff Redevelopment Committee with Peter Ho, and is a member of the Hawaii Business Roundtable. His past roles include Board Chair of the Hawaii Red Cross; Vice Chair of the Honolulu Liquor Commission; member of the Board of Directors of PBS Hawaii, President of the MPI Alumni Association and member of its Board of Counselors; and member-at-large for the Hawaii Agribusiness Development Corporation.



BERT "B.J." A. KOBAYASHI, JR.

Partner & Board Member

RESUME

B.J. Kobayashi is a Founding Partner of Kobayashi Group LLC and the Chairman, Chief Executive Officer, and Founder of BlackSand Capital. With more than 28 years of experience in real estate investment, he has overseen approximately $5 billion in transactions across hotels, residential, retail, land, and mixed-use developments. He currently leads the investment and operational activities of BlackSand Capital and serves on the firm's investment committee.

Mr. Kobayashi is a graduate of Punahou School and Georgetown University's School of Business, where he majored in International Business. He also earned his Juris Doctor from Georgetown University Law Center and is a member of the Hawaii State Bar Association. His previous leadership roles include serving on the Board of Directors of Hawaiian Electric, as a Trustee of the Hawaiian Tax-Free Trust, and as co-chair of the Budget and Finance Subcommittee for the Asia-Pacific Economic Cooperation (APEC) Committee, to which he was appointed by the late U.S. Senator Daniel K. Inouye in 2011.

Committed to community service, Mr. Kobayashi serves on the Board of Regents of Georgetown University, is a co-founder of the GIFT Foundation of Hawaii, and serves on the boards of the Shane Victorino Foundation, Inspire the Keiki Foundation, American Judicature Society, and U.S. Japan Council. He is also a member of the Young Presidents' Organization.



BRONSON PAI

Executive Vice President & Director of Development

RESUME

Bronson Pai is Executive Vice President and Director of Development at Kobayashi Group LLC, where he oversees all phases of project delivery—from preconstruction through completion—across the company's development portfolio. Known for his hands-on approach and technical expertise, he brings more than 25 years of experience in construction and development.

Prior to joining Kobayashi Group, he held senior positions at Rider Levett Bucknall and Kiewit Building Group. He worked on variety of developments, including Leihano Assisted Living Facility, Foodland—Kahala Market & Waikiki Market, Lilia Waikiki, Hawaii State Hospital—New Patient Facility, Waikiki Beach Marriott Resort & Spa, Alohilani Resort Waikiki, and Royal Lahaina Resort & Bungalows.

A graduate of Iolani School, Mr. Pai holds a Bachelor of Science in Civil and Environmental Engineering from the University of Michigan. He is an active member of the Urban Land Institute.



ELTON WONG

Executive Vice President & Development Manager

RESUME

Elton Wong is Executive Vice President and Development Manager with Kobayashi Group LLC, with 35 years in developing Hawaii real estate. He is currently project manager for the Kuilei Place mixed-use 201H Affordable housing development consisting of 1005 residential units for sale and commercial space. 60% of the units are priced between 80-140% Area Median Income.This project is under construction and scheduled for completion in the fourth quarter 2027. Additionally, he is co-managing Parkway Village at Kapolei with 405 LIHTC rental units at rental rates of 60% AMI and below. Parkway Village has studios, to 4-bedroom units, with two preschools. Lot 7 with 169 units is fully occupied while Lot 6 with 236 units will be completed in August 2025.

He was the project manager for the 902 Alder Street Mixed-use Project with 200 affordable rental housing units at 60% AMI and below and a Juvenile Service Center/Shelter. Mr. Wong was the project manager for $185 million Kapiolani Medical Center for Women and Children NICU/PICU building which was completed $5 million over budget due to a 3.5 month delay from boilers overheating and an increase in the scope of work with the addition of a data center, yet, the project was re-sequenced to complete on schedule. The project received a LEED Silver rating. During the same period, he successfully led the King's Village property design and entitlement for a 32-story, 144-unit condo-hotel in Waikiki. He was the project manager for the $102 million construction of the University of Hawaii Cancer Center which was completed 4 months ahead of schedule and $17 million under budget. This project received a LEED Gold rating.

Mr. Wong was the managing principal responsible for the overall activities of the redevelopment of the Renaissance Wailea Beach Resort under a joint venture with Starwood Capital. In this capacity he successfully led the entitlement process, community relations, development of a sales and marketing team, and all pre-construction activities. He led the interview and selection process for a general contractor and negotiated the contract terms as well as led the value engineering process in order to arrive at a $340.0M GMP for the initial project concept which included the demolition of the existing hotel and development of ultra-luxury condominiums. Due to the financial market crash and subsequent economic conditions, he led re-design and re-entitlement efforts for a renovation of the existing hotel to *Andaz Maui at Wailea*, incorporating exclusive luxury condominium residences. In his capacity, he was responsible for preparing and updating the project budget and schedule. He was also responsible for negotiating contracts and overseeing all legal requirements and project documentation.

Prior to joining KG, Mr. Wong was a project manager for Kamehameha Investment Corporation (KIC) from 1996-2004. While at KIC, he managed several projects and prepared the Company's strategic master plan for Keauhou that consisted of 23 development parcels spanning a 20+ year horizon. As the project manager, KIC won a Department of Hawaiian Home Lands RFP for the Kalawahine Streamside property, that developed 38 homes. From 1989–1996 Mr. Wong was a project manager for C. Brewer Homes, Inc. and its predecessor. Mr. Wong prepared the proformas and cash flows that successfully took the company public. The company's primary asset was the master-planned community of Kehalani with 2,400 residential units and retail/commercial parcels. Mr. Wong participated in planning the infrastructure and phasing of this development. From 1981-1989, Mr. Wong worked at Bechtel National, Inc. out of San Francisco as a cost engineer responsible for cost reporting and new business proposals.

Mr. Wong was born and raised in Hawaii, attended Iolani School, and received his Bachelor's degree in Civil Engineering from the University of Hawaii; his Master's degree in Construction Engineering and Management from Stanford University; and a Masters in Business Administration from University of California, Berkeley.



WENDY MATSUKAWA

Vice President & Development Manager

RESUME

Wendy Matsukawa is Vice President and Development Manager at Kobayashi Group LLC, bringing nearly 30 years of experience in construction, preconstruction, and design-build delivery throughout Hawaii. She manages the development and execution of active initiatives—including affordable housing and mixed-use communities—guiding them from entitlements through design, budgeting, and construction completion. She is known for her strategic mindset, technical expertise, and collaborative approach to complex development challenges.

Ms. Matsukawa is currently leading the Parkway Village at Kapolei Lot 6 and Lot 7 project, which consists of 405 affordable housing units, community rooms, and two preschools. Lot 7 is fully occupied and the PACT-HI preschool just opened in May. Lot 6 will be completed in September. Having experienced the process of working with HHFDC from LITHC financing, entitlements, through securing certificate of occupancy, is valuable for future affordable housing developments. She is passionate about affordable housing, helping to provide security, stability, and quality of life for the people of Hawaii.

Prior to joining Kobayashi Group in 2023, she held senior roles at Fletcher Pacific, Hawaiian Dredging, Swinerton, and Nordic PCL, where she oversaw major construction and preconstruction efforts across the islands. During this time, she has worked on multiple affordable housing projects including Halekauwila Place, Nohona Hale, Queen Emma Apartments, Hale Kewalo, Halewaiolu Senior Residences, and Ililani.

Born and raised in Hawaii, Ms. Matsukawa holds a Bachelor of Science in Civil Engineering and a Master of Business Administration, both from the University of Hawaii at Manoa. She currently is a member of the Hawaii Lions Club Mana Loa-Nimitz and also volunteers to help animals in need.



SHARON HANAMOTO

Vice President & Development Manager

RESUME

Sharon Hanamoto is Vice President and Development Manager at Kobayashi Group LLC, where she manages the planning, budgeting, and execution of large-scale residential and mixed-use projects. Her strengths in value engineering, project coordination, and budget management help ensure timely and successful project delivery. In this role, she oversees projects that reflect the company's commitment to thoughtful, high-quality, and sustainable developments across Hawaii. She brings extensive experience in managing complex budgets, coordinating multidisciplinary teams, and delivering exceptional results.

Prior to joining Kobayashi Group, Ms. Hanamoto held leadership roles at Howard Hughes, including Senior Director of Pre-Construction and Construction Manager, where she worked for more than 10 years. During her time at Howard Hughes, she negotiated over $2 billion in combined contracts and worked on numerous high-rise condominium projects including Anaha, Aeo, Victoria Place, and Ulana. Earlier in her career, she gained valuable experience with Group Pacific, further honing her expertise in construction management.

A graduate of Punahou School, she earned a Bachelor of Business Information Management and Marketing from the University of Auckland. Beyond her professional accomplishments, Ms. Hanamoto is passionate about giving back. She volunteers with the Fur Angel Foundation, a dog rescue organization, and served on its board for the past two years.

SANDRA HARANO

Chief Financial Officer



RESUME

Sandra Harano is the Chief Financial Officer for Kobayashi Group LLC and oversees the financial activities of KG and its related entities, including accounting, financial planning, cash management, financing, and tax compliance.

Ms. Harano is a certified public accountant with more than 45 years of experience in accounting and management. She is currently responsible for the financial record keeping and reporting, budgeting, cost control, cash management, and financing activities for the development projects, real estate assets, and investments managed by KG. She ensures that all Federal and State tax filing requirements are met. Working with company principals, legal counsel, lenders, brokers, and escrow companies, Ms. Harano manages the closing and recordation process for real estate purchases and sales. She is also involved in drafting agreements documenting the contract terms negotiated by the principals.

One of her priorities is to maintain KG's accounting system so that detailed project costs are accurately reported in a timely manner. Actual costs are compared to budgets to alert project managers of potential cost overruns and to assist in keeping costs controlled and within budget.

Prior to joining KG, Ms. Harano held various accounting and management positions at Kuakini Medical Center in Honolulu. One of her responsibilities included accounting for the hospital's numerous construction and renovation projects, such as the Kuakini Medical Plaza and Hale Pulama Mau long-term care facility. In addition, she prepared the initial project budgets and cash flows for the Kuakini Physicians Tower.

Ms. Harano was born in Chicago, Illinois, raised in Hawaii, and attended Roosevelt High School. She received her Bachelor of Business Administration with a major in accounting from the University of Hawaii at Manoa. She is a member of HSPA—Hawaii Society of Business Professionals.



ANDREW STARN

Executive Vice President, Retail Development

RESUME

Andrew Starn, Executive Vice President and retail market expert with Kobayashi Group LLC, specializes in Waikiki and resort markets throughout the State of Hawaii. He is involved in many aspects of Kobayashi Group's development process, including the development of long-range plans, acquisition and analysis, development plans, leasing, and disposition, with a heavy emphasis on the retail portion of these projects. Mr. Starn is currently the project manager for The Cove at Ko Olina.

Since joining Kobayashi Group in 2018, Mr. Starn has leveraged more than two decades of specialized experience in Waikiki and Hawaii's resort retail landscape to support his clients' strategic goals. He has guided clients through complex transactions in the highly competitive and often difficult to access urban Honolulu and Waikiki markets. His work includes new site acquisitions and full market rollouts for global brands such as Prada, Gucci, Saint Laurent, Spectrum, and Volcom, as well as landlord representation for major entities including Blackstone, Hilton Worldwide, Kamehameha Schools, and Queen Emma. Over the course of his brokerage career, he has completed more than 255 resort sale and lease transactions, totaling $360 million, offering clients unmatched insight into Hawaii's retail and resort markets.

Mr. Starn was born and raised in Hawaii, attended Punahou School, and received a Bachelor's degree in Finance from the University of Colorado, Boulder. He is affiliated with the International Council of Shopping Centers (ICSC), Rotary Club of Honolulu and is a licensed real estate broker in the State of Hawaii. He also dedicates his time as the President of the Hawaii Water Polo, a non-profit organization.

ASSIGNED PERSONNEL | KAPOLEI PARKWAY PROJECT		
ALANA KOBAYASHI PAKKALA	WENDY MATSUKAWA (Project Manager)	ELTON WONG

OFFEROR'S EXPERIENCE

Kobayashi Group LLC has developed over $5 billion worth of property in Hawaii. The projects span a wide range of developments, including golf resorts, residential communities, mixed-use high-rise buildings, public schools, government buildings, institutional facilities, regional shopping centers, and affordable housing. Some examples of these are our resort projects, which include the master planning and development of the exclusive private resort community, Kukio Golf and Beach Club on the island of Hawaii; redevelopment of the Wailea Renaissance Hotel on the island of Maui; and planning and redevelopment of the Four Seasons Hualalai and Kona Village Resort on the island of Hawaii. Our government projects include the design-build of Kapolei Middle School, Kapolei High School, the Kakuhihewa State Office Building in Kapolei and the University of Hawaii Cancer Center. Our institutional work includes project management of the Bernice Pauahi Bishop Museum Science Adventure Center and the Kapiolani Medical Center for Women and Children Neonatal Intensive Care Unit and Pediatric Intensive Care Unit Building. In partnership with The MacNaughton Group, we completed Kona Commons shopping mall on the island of Hawaii and are continuing the build-out and leasing of Kapolei Commons lifestyle shopping mall on the island of Oahu. Our mixed-use high-rise residential projects include Park Lane Ala Moana, Hokua, Capitol Place, ONE Ala Moana, Alia, and Kuilei Place currently in construction. Affordable housing projects include Hale Kalele and Parkway Village at Kapolei, which will be completed in August 2025. The following projects demonstrate our experience with (1) mixed-use development combining residential and office under separate leasehold ownership of spatial units created under a CPR; (2) partnerships with public agency landowners; (3) sustainability and smart growth principles; (4) affordable housing; and (5) government agency project.

PROPERTY NAME	ADRESS	CITY	STATE	ZIP CODE	# OF UNITS	UNIT TYPE	TENANCY	MARKET	YEAR BUILT	VALUE	FUNDING	HHFDC	DLM
Hale Kalele	901 Piikoi St	Honolulu	HI	96814	200	Studio - 36 1 bed - 54 2 bed - 109 Staff - 1	Family	100% Afordable 60% AMI and below	2022	$110M	LITHC	√	
Parkway Village at Kapolei Lot 7	689 Manawai St	Kapolei	HI	96707	169	Studio - 42 1 bed - 43 2 bed - 57 3 bed - 14 4 bed - 11 Staff - 2	Family	100% Afordable 60% AMI and below	2024	$79M	LITHC	√	√
Parkway Village at Kapolei Lot 6	688 Manawai St 638 Wakea St	Kapolei	HI	96707	236	Studio - 34 1 bed - 66 2 bed - 94 3 bed - 27 4 bed - 13 Staff - 2	Family	100% Afordable 60% AMI and below	2025	$120M	LITHC	√	√
Kuilei Place	2599 Kapiolani Blvd	Honolulu	HI	96826	1005		Family	603 Afordable 80%-140% AMI	Ongoing	$840M		√	
Alia	888 Ala Moana Blvd	Honolulu	HI	96814	457		Family	40 Afordable	Ongoing	$886M			

PARKWAY VILLAGE
AT KAPOLEI

SCOPE

Kobayashi Group (KG) and Ahe Group are managing the entire development process, including entitlement, design, construction, marketing, and property management.

DESCRIPTION

KG & Ahe Group are the developers for a mixed use 2-3-story 405-unit affordable rental housing and two preschools. The property is located on City & County of Honolulu land and will be leased for 75 years. A 201H application was approved by the City Council on November 5, 2020 plus an extension for construction start. In February 2022, a Consolidate Application was submitted to HHFDC seeking financing from the 4% Low-Income Housing Tax Credits, Hula Mae Bond Fund and Rental Housing Revolving Funds. HHFDC awarded funding in August 2022 and financing closed in September 2023. Construction started in September 2023 and scheduled to complete in August 2025 ahead of schedule and under budget. Indigo Real Estate is leasing the affordable rental housing and manages the property. All the major Team members from Parkway Village at Kapolei Project will be on the Kapolei Parkway Lots 2-5 Project. A successful project like Parkway Village at Kapolei is a team effort. Having team members sign back up for another project shows how well we worked together; however, developments can always be done better and we have lessons learned to implement in the next phase. The Parkway Village team members who will do Kapolei Parkway Lots 2-5 are Kobayashi Group, Ahe Group, GLI Advisors, Coastal Construction, Jayar Construction, Design Partners Inc., and Indigo Real Estate. Subcontractors will be bid out to get the lowest pricing.



REFERENCES

Catherine A. Taschneri, Department of Housing and Land Management
(808) 768-4271 | c.taschner@Hawaii.gov | 530 South King Street, Suite 306, Honolulu, HI 96813

Randy Chiu, Hawaii Housing Finance & Development Corporation
(808) 587-0527 | randy.n.t.chu@Hawaii.gov | 677 Queen Street, Suite 300, Honolulu, HI 96813

KUILEI PLACE

SCOPE

KG is managing the entire development process, including entitlement, design, construction, marketing, and affordable rental.

DESCRIPTION

KG is the developer for a mixed use 43-story 1005-unit for-sale residential units and 7,240 square foot commercial space. 60% of the units are affordably priced at 80-120% AMI. The property is located on Moiliili, Honolulu. HHFDC approved the projects 201H application at their October 13, 2022 Board Meeting. A 201H application for fee waivers was approved by the City Council on January 25, 2023. Demolition started in March 2025 and completion is scheduled for the fourth quarter 2027.



REFERENCES

Catherine A. Taschneri, Department of Housing and Land Management
(808) 768-4271 | c.taschner@Hawaii.gov | 530 South King Street, Suite 306, Honolulu, HI 96813

Randy Chiu, Hawaii Housing Finance & Development Corporation
(808) 587-0527 | randy.n.t.chu@Hawaii.gov | 677 Queen Street, Suite 300, Honolulu, HI 96813

902 ALDER STREET PROJECT

SCOPE

KG and BlackSand Capital (BSC) is managing the entire development process, including entitlement, design, construction, marketing, and affordable rental.

DESCRIPTION

KG is the developer for a mixed use 20-story 200-unit affordable rental housing and 32,000 square foot Juvenile Service Center/Shelter. The property is located on State land and will be leased for 75 years. A 201H application was approved by the City Council on March 8, 2019. In February 2019, a Consolidate Application has been submitted to HHFDC seeking financing from the 4% Low-Income Housing Tax Credits, Hula Mae Bond Fund and Rental Housing Revolving Funds. HHFDC awarded funding in December 2019 and financing closed in September 2020. Construction started in October 2020 and completed in May 3, 2022 ahead of schedule and under budget. Cirrus Asset Management will lease the affordable rental housing and manage the property.



REFERENCES

Albert Palmeri, Hawaii Housing Finance & Development Corporation
(808) 587-0500 | albert.h.palmer@Hawaii.gov | 677 Queen Street, Suite 300, Honolulu, HI 96813

Dean Minakami, Hawaii Housing Finance & Development Corporation
(808) 587-0518 | dean.minakami@Hawaii.gov | 677 Queen Street, Suite 300, Honolulu, HI 96813

KING'S VILLAGE SHOPPING CENTER REDEVELOPMENT

SCOPE

KG managed the design and entitlement for the project.

DESCRIPTION

KG hired the consultants and managed the entitlement for a 32-story 244-unit condo hotel in Waikiki. The King's Village entitlement included all the Environmental Assessment (EA) studies, worked with the community to obtain their approval, filed the EA with DPP and the Office of Environmental Quality Control, received a DPP FONSI, filed a Final EA, participated in DPP public hearing; met with the Waikiki Design Committee, obtained approvals from the City Council Zoning Committee and Full Council and obtained approval from DPP for a Planned Development – Resort and Waikiki Special District Permit. The steps are similar to the Kapolei Parkway property 201H entitlement process. The project was sold to Hilton Grand Vacations and is proceeding as a timeshare.



REFERENCES

Tony Ching, Former City and County of Honolulu, Department of Planning and Permitting

KAPIOLANI MEDICAL CENTER FOR WOMEN AND CHILDREN

SCOPE

Provided project management for the design and construction of the facility.

DESCRIPTION

The recently completed NICU/PICU Building is a 191,542 sq. ft. intensive care facility that includes 12 new surgical beds, 70 private Neonatal Intensive Care Unit rooms, 14 private Pediatric Intensive Care Unit rooms, an outpatient clinic and rehabilitation center, a 178-seat auditorium, as well as conference and educational rooms for training purposes and shell spaces for future expansion. This project was initially designed to be an add-on to the 50+ year old Shared Services Building which was significantly over budget and would have resulted in major disruptions to the hospital operation. The hospital was already over capacity and construction in those spaces would have severely compromised the operations. KG was able convince management to build a stand-alone facility with shell space for future expansion to stay within a budget and minimize hospital disruptions. The result was a far more functional, high-technology facility than what was originally planned. During construction, the new boilers were overheating due to a design flaw which created a 3.5 month delay. KG worked with the general contractor to reschedule the project to be completed on time. This project was $5 million over the $180 development budget due to the boiler delay claim and the inclusion of a data center. The project received a U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Silver rating.



REFERENCES

Ray Vara, President & CEO of Hawaii Pacific Health
(808) 535-7750 | ray.vara@Hawaiipacifichealth.org | 55 Merchant Street, 27th Floor, Honolulu, HI 96813

Warren Chaiko, Vice President Hawaii Pacific Health
(808) 535-7470 | wchaiko@Hawaiipacifichealth.org | 55 Merchant Street, 23rd Floor, Honolulu, HI 96813

HOKUA AT 1288 ALA MOANA

SCOPE

KG along with their partner, The MacNaughton Group, managed the entire development process, including design, construction, marketing and sales.

DESCRIPTION

Hokua was the first new luxury condominium on Oahu since the 1990's with a 248-unit mixed-use, luxury high-rise condominium. The vision was to create luxury homes in the sky. There was 540,000 net square feet, 40-story, mixed-use luxury condominium tower including retail, restaurants and office on first two floors on 4 acres of land. Construction began in November 2003 and was completed on January 2006. A $130 million loan was financed by a bank syndicate led by Bank of Hawaii and First Hawaiian Bank. Equity was provided by Developers and A&B Properties, Inc. 80% of the units were sold upon initial release at an average sales price of $1.1 million. KG, with its partner, still own, lease and manage the retail, restaurants and offices.



REFERENCES

Mitchell D'Olier, formerly the President & CEO, Kaneohe Ranch

Stan Kuriyama, formerly the President, A&B, Inc.

Peter Ho, Chairman, President & CEO of Bank of Hawaii
(808) 525-8494 | peter.ho@boh.com | P.O. Box 2900, Honolulu, HI 96846-6000

UNIVERSITY OF HAWAII CANCER CENTER

SCOPE

Provided project management for the entitlement, design, and construction of the facility.

DESCRIPTION

KG was selected by the University of Hawaii in a competitive process to be the project manager for this new facility located on the JABSOM Kakaako campus. The cancer research facility is 162,640 gross square feet of innovative wet and dry laboratories, laboratory support spaces and facility services. The building's five-story Ewa wing contains primarily wet labs and the seven-story Diamond Head wing contains dry labs. The two wings are connected by a breezeway with planned collaborative space to encourage interaction and a fostering of new ideas. Open floor plans and glass walls between the labs and offices provided a feeling of openness and interaction. When the initial phase was completed $17 million under the $119 million construction budget and 4 months ahead of schedule, the University of Hawaii added another 36,000 square feet of shell space to the project. The building achieved a U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Gold rating. KG was able to convince the State to incorporate an energy-efficient chilled beam system to handle the stringent air conditioning requirements of a medical research facility. The projected result was a 30% decrease in electricity billings.





REFERENCES

Brian Minaai, Former Associate Vice President of Capital Improvements for University of Hawaii
(808) 227-2425 | bminaai@gmail.com

Francis Blanco, University of Hawaii Cancer Center Facilities Management Office
(808) 440-4568 | fblanco@cc.hawaii.edu | 701 Ilalo Street Honlulu, HI 96813

KAPOLEI CIVIC CENTER OFFICE BUILDING

SCOPE

Provide project management for the entitlement, design, construction and financing of the facility.

DESCRIPTION

Another KG project is the 216,000 square foot, six-story Kapolei Civic Center office building that houses 1,000 State employees from several different departments. This was a design-build project where KG worked extensively with the various State departments to design their respective spaces. The building was completed and turned over to the State 3 months ahead of schedule. This development included a creative financing plan that allowed the State to lease the building for 30 years, with the acquisition of the building by the lessor financed through Certificates of Participation (COP), or purchase the building from KG or the lessor using General Obligation Bonds at any point prior to completion of the project, or during the term of the COP lease. It was the first project in the State specifically structured to allow for this form of take-out financing. The COP financing involved a 30-year lease of the building to the State with a fixed rent schedule for the 30-year term, after which the building would be assigned to the State at no additional cost. The State opted to purchase the building shortly after completion.



REFERENCES

Sam Callejo, Former Hawaii State Controller

KAPOLEI MIDDLE AND HIGH SCHOOLS

SCOPE

Provide project management for the entitlement, design, and construction of the facility.

DESCRIPTION

The 151,477 square foot Kapolei Middle School and 316,200 square foot, $100+ million Kapolei High School were Design-Build projects. The Kapolei Middle School was completed six weeks ahead of schedule and $0.5 million under budget. The Kapolei High School was completed two months ahead of schedule and $0.8 million under budget. The high school was the first of its kind in the nation, incorporating the principles of the document "Breaking Ranks: Changing an American Institution." This document, published by the Carnegie Foundation in conjunction with the National Association of Secondary School Principals, recommends that high schools be structured to respond to new national socioeconomic changes, and to prepare the youth of America for success in the real world. In order to ensure the incorporation of these innovative educational principles into the school's design, KG formed a design process task force of more than 30 members and led a team to visit various alternative high schools on the mainland.





ACCOMPLISHMENTS

- When completed in July 1999, the Kapolei Middle School was constructed in the shortest time frame of any school of its size in the State and the negotiated price with the contractor was below the State's budget estimate.
- Developed an educational facility based on innovative educational principles, and as a result was awarded the National Best Middle School.
- Utilized innovative design charrettes including all stakeholders: community leaders, students, teachers, legislators, Department of Education administrators, and our design team
- First public educational facility to be both fully designed and developed by a private developer on behalf of the State of Hawaii, and was successfully completed substantially earlier and under budget.
- KG spearheaded a unique combination of private and community financing at interest rates substantially lower than commercial interest rates.
- This school and KG's design and development model was used by both Kamehameha Schools and Punahou School in the development of their middle schools

REFERENCES

Kathy Kawaguichi, Assistant Superintendent of Programs of the State of Hawaii Department of Education
(She's now deceased)

KAPOLEI KAI

SCOPE

KG managed the entire development process, including design, construction, marketing and sales within a master-planned community.

DESCRIPTION

Developed as an entry and mid-market CPR single-family residential community adjacent to the Kapolei Middle School, for the Housing and Community Development Corporation of Hawai'i. The project consisted of a 204-home residential project on 26 acres, had $44 million in construction costs and a total of $47 million total project development cost. Design Partners, Inc. was the architect. Sales began on May 12, 2002 and sold out in less than 5 months. KG successfully completed the project 18 months earlier than projected.



REFERENCES

Chris Sadayasu, Former State of Hawaii Housing and Community Development Corporation of Hawaii
(808) 587-0547

SUMMARY OF KOBAYASHI JOINT VENTURE PROJECTS

PROJECTS	YEAR COMPLETED	VALUE
PARKWAY VILLAGE AT KAPOLEI Kobayashi Group and Ahe Group are developing a mixed-use 405-unit LIHTC affordable housing project and two preschools on City and County of Honolulu land. Lot 7 has a four-classroom preschool and 169 affordable rental units that is fully occupied. Lot 6 will complete construction in August 2025.	On-going	$201 million
KUILEI PLACE Kobayashi Group and BlackSand Capital are developing a mixed-use 1,005 residential unit condominium with 7,240 square feet of commercial space. The for-sale residential units are 1-3 bedrooms with 60% of the units affordable with prices in the 80-120% AMI under the HHFDC 201H affordable housing program. The project is currently under construction with completion in fourth quarter 2027.	On-going	$840 million
ALIA Kobayashi Group and BlackSand Capital are developing a mixed-use 457 residential unit condominium with 3,500 square feet of commercial space. The for-sale residential units are 1-3 bedrooms with 411 market rate units, 6 market loft units, and 40 reserved housing units. The project is currently under construction with completion second quarter 2027.	On-going	$886 million
KAPOLEI COMMONS MacNaughton - Kobayashi (MK) is developing a 600,000 square foot shopping mall on 46 acres in Kapolei, Hawaii. This lifestyle center is anchored by Target, Regal Cinemas, Ross, and TJ Maxx.	On-going	$175 million
902 ALDER STREET Kobayashi Group developed a mixed-use 200-unit LIHTC affordable housing rental housing (Hale Kalele) and 34,000 square foot Juvenile Service Center/ Shelter (Hale Hilinai) on State land. Construction started October 2020 and completed in May 2022 ahead of schedule and under budget.	2022	$110 million
KING'S VILLAGE SHOPS REDEVELOPMENT BlackSand MacNaughton Kobayashi (BMK) entitled a 244 unit, 350-foot high rise luxury condominium hotel in Waikiki, Hawaii. Property was sold with undeveloped with entitlements.	2018	$122 million

PROJECTS	YEAR COMPLETED	VALUE
PARK LANE ALA MOANA BMK in partnership with General Growth Properties, developed a 219-unit ultra-luxury residential condominium in Honolulu, Hawaii.	2017	$1 billion
KAPIOLANI MEDICAL CENTER FOR WOMEN AND CHILDREN MK developed the Neonatal Intensive Care Unit and Pediatric Intensive Care Unit Building at Kapiolani Medical Center for Women and Children in Honolulu, Hawaii. MK provided project management services for the 191,542 square foot facility.	2016	$185 million
HILTON GARDEN INN WAIKIKI BMK, along with Rockpoint Group, invested over $100 million to completely transform the 623 room OHANA Waikiki West Hotel to become an upscale 620 room Hilton Garden Inn (HGI). HGI is strategically located across the street from the newly developed International Marketplace.	2016	$220 million
ONE ALA MOANA MK developed of a 206-unit luxury high-rise condominium in Honolulu, Hawaii.	2014	$340 million
KONA COMMONS SHOPPING MALL MK developed a 144,000 square foot shopping mall on 12 acres of leasehold land from Queen Liliuokalani Trust in Kona, Hawaii.	2009	$60 million
CAPITOL PLACE MK developed a 394-unit luxury high-rise condominium and Pflueger Honda Dealership in Honolulu, Hawaii.	2008	$280 million
HOKUA AT 1288 ALA MOANA MK developed a 248-unit luxury mixed-use, high-rise condominium in the Ward area of Honolulu, Hawaii.	2006	$275 million

KOBAYASHI GROUP PROJECTS

DEVELOPMENT PROJECTS	YEAR COMPLETED	VALUE
KUKIO BEACH RESORT Development of a luxury private resort, including a golf course, beach club and residential homes in Kona, Hawaii.	2012	$1 billion
ANDAZ MAUI AT WAILEA RESORT Co-development and complete renovation of the Renaissance Wailea with 17 new condo hotel units, which was one of Conde Nast's 2016 top resort in Wailea, Hawaii.	2013	$390 million
UNIVERSITY OF HAWAII CANCER CENTER Provided project manager services for the 162,640 gross square feet facility in Honolulu, Hawaii.	2013	$152 million
BISHOP MUSEUM SCIENCE LEARNING CENTER Provided project management of the design and construction of new facilities and renovation of the museum in Honolulu, Hawaii.	2005	$14 million
KAPOLEI KAI (KAPOLEI VILLAGE 7) Development of a 600-unit residential subdivision in the Villages of Kapolei, Hawaii.	2003	$60 million
KAPOLEI HIGH SCHOOL PHASE 2 Build second phase of high school. Construction of P.E. locker & shower, additional classrooms, food court, gymnasium, wood shop, stadium and athletic shower in Kapolei, Hawaii. Completed ahead of schedule and under budget.	2003	$44 million
NAPILI VILLAS Development of a 184-unit townhouse condominium project in West Maui, Hawaii.	2003	$34 million
QUEEN'S MEDICAL CENTER MILLER STREET TRIANGLE Design-build a 603-stall parking structure for Queen's Medical Center, Honolulu, Hawaii.	2001	$18 million

DEVELOPMENT PROJECTS	YEAR COMPLETED	VALUE
NAPILIHAU VILLAGES I Development of a 76-unit affordable townhouse condominium project in West Maui, Hawaii.	2000	$11 million
KAPOLEI HIGH SCHOOL PHASE 1 Design-build the first phase of a high school in Kapolei, Hawaii for the State Department of Education. Completed ahead of schedule and under budget.	2000	$45 million
KAPOLEI MIDDLE SCHOOL Design-build a middle school facility in Kapolei, Hawaii for the State Department of Education. Completed ahead of schedule and under budget.	1999	$35 million
KAKUHIHEWA (KAPOLEI STATE OFFICE BUILDING) Design-build a 216,000 square foot office building for the State Department of Accounting and General Services in Kapolei, Hawaii. Completed three months ahead of schedule.	1998	$50 million
WEST LOCH FAIRWAYS Development of a 593-unit subdivision in Ewa, Hawaii	1996	$171 million
HALE LUMI Development of a 51-unit subdivision in Waipahu, Hawaii.	1993	$17 million
WEST LOCH ESTATES Development of a 715-unit subdivision in Ewa, Hawaii.	1992	$100 million

REFERENCES

References were included with the relevant projects.

APPENDIX B

ĀHĒ GROUP



ABOUT US

Āhē Group is one of Hawai'i's leaders in the affordable housing development industry and has demonstrated success and innovation in all facets of development, from acquisition and rehabilitation to new construction and ownership.

- NEW CONSTRUCTION
- REHABILITATION
- ADAPTIVE RE-USE
- PRESERVATION
- LONG TERM OWNERSHIP



OUR TEAM



MAKANI MAEVA

PRESIDENT & MANAGING DIRECTOR

Makani is a Native Hawaiian woman and a leader in the affordable housing industry since 1995. Not one to shy away from innovation, she has been a trailblazer in the low income housing finance field and embraced alternative energy and green development before it was cool. All of her Hawai'i projects now include photovoltaic and/or solar water heating systems and were the first in Hawai'i to be LEED Certified Platinum. Developing an unparalleled expertise for pragmatic problem solving, she has created homes for seniors and families in urban centers, suburban neighborhoods, and rural communities. Makani spends her free time with her husband and three children and her dog Moki and squeezes in some reading, hiking and travel as often as possible. Makani holds a B.A. from Pepperdine University.



JOELLE CHIU

SENIOR DEVELOPMENT DIRECTOR

Born and raised on the windward side of Oahu, Joelle began working with Makani in the affordable housing industry fourteen years ago after successful careers as an accountant and lawyer. She brings valuable legal and financial analysis skills to Ahe Group. Joelle's first affordable housing project was the Lokahi Ka'u Apartments, a 306-unit new construction community on Hawai'i Island. In her free time Joelle enjoys watching her children play sports, traveling, and hitting a small white ball into a four-inch hole. Joelle graduated from the University of Southern California with a B.S. in Accounting and a Juris Doctorate degree.



SARAH DEVRIES

SENIOR DEVELOPMENT DIRECTOR

Sarah DeVries is an affordable housing professional with over a decade in affordable housing financing. At Āhē Group, Sarah has capitalized on her extensive transaction experience to assess acquisition opportunities, craft RFP responses, prepare applications for LIHTCs and funding, and more. Sarah believes in empowering young women and girls, and has served two terms on the board of Portland State University's Center for Women's Leadership. Sarah resides in Portland, Oregon and is fortunate enough to make frequent trips to the Hawaiian Islands in support of much needed affordable housing in the state.



KAIMANA JOY

DESIGN DIRECTOR

Kaimana was born and raised in Kailua, Hawai'i and joined Āhē Group in 2022. Her background in interior design and professional experience in architecture brings a fresh perspective to the affordable housing market. As a Native Hawaiian and a young mother of two boys, Kaimana understands the dire need of affordable housing in Hawai'i. After graduating from Oregon State University with a B.S. in Interior Design, B.S. in Sustainability, and a minor in Business, Kaimana moved back home eager to serve her community. Kaimana spends her free time with her sons going swimming, playing sports, and traveling.



ASHLEY CHANCE

ASSET MANAGEMENT DIRECTOR

Ashley joined Āhē Group in 2019 as an Asset Manager. She oversees our stabilized property portfolio on O'ahu and Kaua'i, working closely with our management team onsite and behind the scenes. Previously, Ashley worked for PNC Bank as an Assistant Analyst, helping to close Low-Income Housing Tax Credit (LIHTC) projects. Ashley graduated with a B.S. from Portland State University, with a double minor in Communication and Social Studies. Ashley enjoys spending time with her husband and their two children, going on nature hikes or to the beach, and spending time with friends and family.

WORK WITH US (808) 263-7657 157 Makawao Street, Kailua, Hawai'i 96734

OUR IMPACT

SINCE 2014

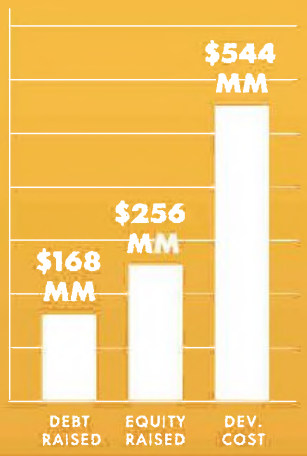
24 PROPERTIES IN HAWAI'I

KAUA'I • O'AHU • HAWAI'I



- 17 Rental-Assisted Properties
- 14 Family Properties
- 10 Senior Properties
- 6 New Construction

MOVING MONEY



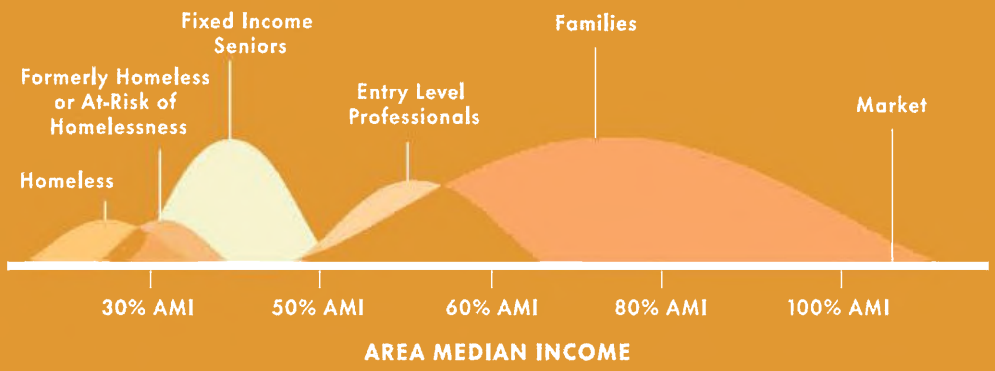
2,067 UNITS

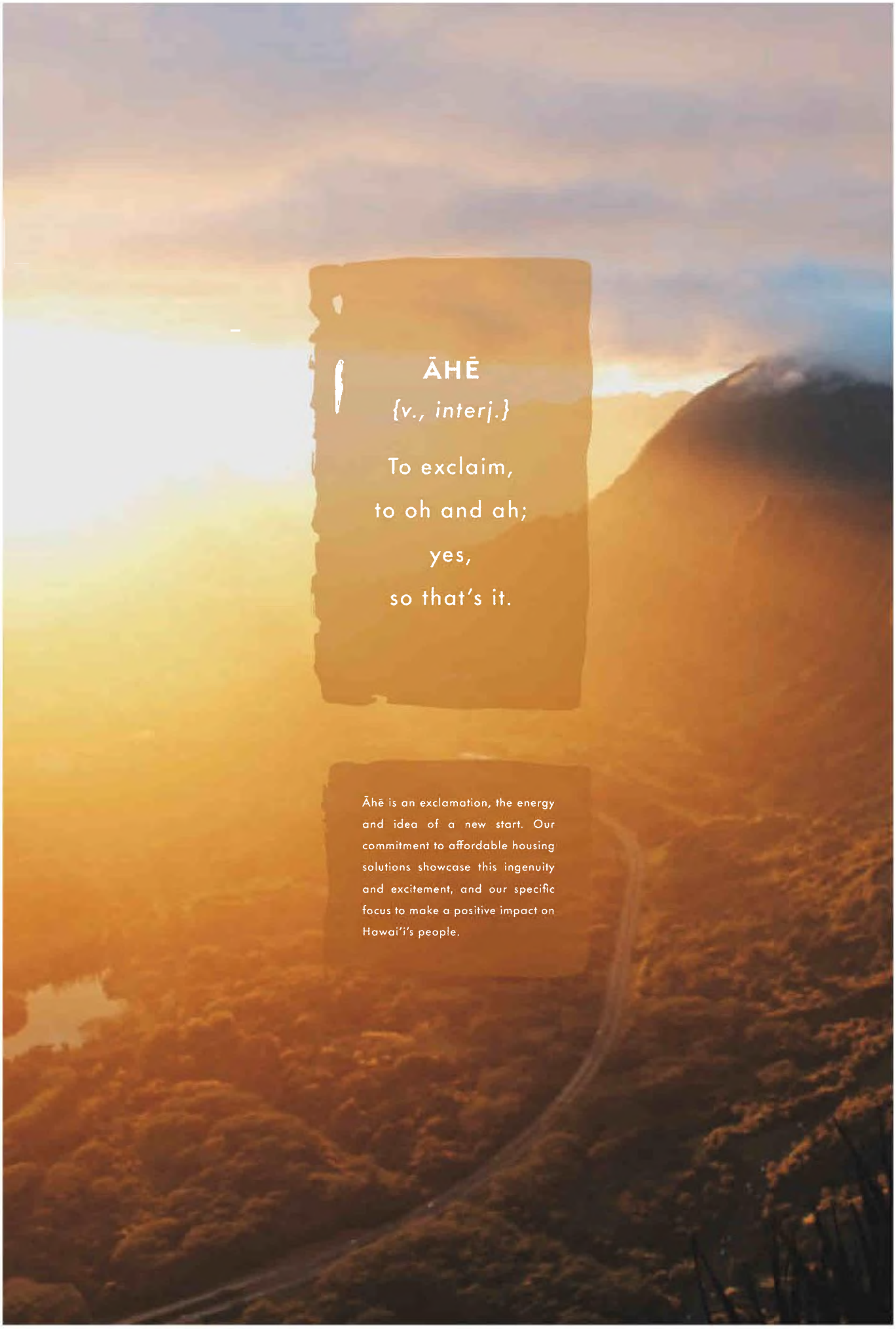
TENANCY

- SENIOR HOUSING
- WORKFORCE HOUSING
- MULTI-FAMILY HOUSING

FILLING THE NEEDS IN THE MARKET

Demographic Groups We Serve




ĀHĒ
{v., interj.}
To exclaim,
to oh and ah;
yes,
so that's it.
Āhē is an exclamation, the energy and idea of a new start. Our commitment to affordable housing solutions showcase this ingenuity and excitement, and our specific focus to make a positive impact on Hawai'i's people.



ĀHĒ GROUP

Ahe Group
REO PERFORMANCE
1/1/2025[1]

	Property Name	Address	City	County	State	Zip	Ownership (LP name)	Ahe Group Ownership	# of Units	Tenancy	Rehab or NC	Year Built	Funding	Rental Assistance	Purchase Date	Purchase Price	TDC	LIHTC Investor	Equity	Senior Lender	Senior Debt
1	Kaneohe Elderly	45-457 Meli Place	Kaneohe	Honolulu	HI	96744	Kaneohe Meli Partners LP	50%	44	Senior	Rehab	1984/ 1999/ 2016	4%LIHTC/TE Bonds	HAP	01/29/16	$ 11,100,000	$ 16,979,105	CREA	$ 6,467,889	Bank of Hawaii	$ 7,100,000
2	Rice Camp II (Kaniko'o II)	4215 Hoala Street	Lihue	Kauai	HI	96766	Rice Hoala Partners LP	80%	30	Senior	New Const	2016	9%LIHTC/HOME	N/A	03/01/16	$ 65	$ 9,416,770	CREA	$ 8,886,983	County of Kauai - HOME	$ 207,616
3	River Pauahi	1155 River Street	Honolulu	Honolulu	HI	96817	River Pauahi Partners LP	50%	49	Family	Rehab	1981/1999/2017	4%LIHTC/TE Bonds	HAP	12/01/16	$ 7,000,000	$ 13,315,417	CREA	$ 5,856,425	Bank of Hawaii	$ 7,000,000
4	Hausten Gardens	808 Hausten Street	Honolulu	Honolulu	HI	96826	Hausten Gardens LP	50%	50	Senior	Rehab	1979/ 2017	4%LIHTC/TE Bonds	HAP	2/17 & 12/17	$ 9,250,000	$ 17,335,905	CREA	$ 7,008,110	Bank of Hawaii	$ 9,920,000
5	Waipahu Tower	94-337 Pupumomi Street	Honolulu	Honolulu	HI	96797	Waipahu Pupumomi Partners LP	60%	64	Family	Rehab	1972/1997	4%LIHTC/TE Bonds	HAP	04/01/17	$ 6,187,567	$ 17,669,339	CREA	$ 6,001,258	Citi Community Capital	$ 10,750,000
6	Whitmore Circle Apts	105 and 111 Circle Makai Street	Wahiawa	Honolulu	HI	96786	Whitmore Circle Partners LP	50%	44	Senior	Rehab	1989/2011	4%LIHTC/TE Bonds	USDA/RD	10/17/17	$ -	$ 8,804,992	Alliant	$ 4,582,628	Citibank N.A./ Fannie Mae	$ 1,600,000
7	Waimea Huakai	4578/4530/4548 Carl Furutani St	Waimea	Kauai	HI	96796	Waimea Huakai Partners LP	70%	36	Family	New Const	2020	9%LIHTC/HOME/HCD	HAP (8 Units)	07/19/19	$ -	$ 16,427,726	CREA	$ 10,231,088	Bank of Hawaii	$ 2,616,000
8	Queen Emma Tower	1254 & 1270 Queen Emma Street	Honolulu	Honolulu	HI	96813	Queen Emma Partners LP	40%	71	Family	Rehab	1964/ 2020	4% LIHTC/RHRF	N/A	10/01/19	$ 6,900,000	$ 39,624,541	BFIM	$ 12,702,175	Bank of Hawaii	$ 8,000,000
9	Jack Hall Waipahu	94-817, 94-827, 94-853 & 94-875 Kuhaulua Street	Waipahu	Honolulu	HI	96797	JHW Kuhaulua Partners LP	49.0%	144	Family	Rehab	1978	Conventional	HAP	09/19/19	$ 24,500,000	$ 54,965,183	CREA	$ 20,019,491	Bank of Hawii	$ 23,000,000
10	DE Thompson	91-1295 Renton Road	Ewa Beach	Honolulu	HI	96706	DET Renton Partners LP	80%	84	Senior	Rehab	1991	4%LIHTC/TE Bonds/RD	USDA/RD	08/02/22	$ 5,192,547	$ 18,742,258	CREA	$ 6,294,836	First Hawaiian Bank	$ 6,654,358
11	Pua Loke	4377/4395/4409 Pua Loke Street	Lihue	Kauai	HI	96766	Pua Loke Partners LP	80%	54	Family	New Const	2021	9%LIHTC/HOME/HTF /HCD	HAP (12 Units)	04/01/20	$ 75	$ 28,117,744	CREA	$ 17,232,017	First Hawaiian Bank	$ 5,033,600
12	Pahala	96-1183 Holei Street	Pahala	Hawaii	HI	96777	Pahala Holei LP	80%	8	Senior	Rehab	2020	Conventional/ FHLB	HAP	12/01/20	$ 1,000	$ 1,180,447	N/A	N/A	First Hawaiian Bank	$ 472,000
13	Kawainui	460, 466 Kawainui St. & 220, 220A, 226, 226 B, 226C Oneawa St.	Kailua	Honolulu	HI	96734	Kawainui Land LLC	80%	7	Family	Rehab	2022	Conventional Single Family Mortgage (x7)	N/A	4/14/20 6/26/23 (refi)	$ 4,250,000	N/A	N/A	N/A	Bank of Hawaii	$ 5,746,500
14	Kai Olino - Unit A/B[2]	61 Okupu Street	Eleele	Kauai	HI	96705	Okupu Partners LP	80%	48	Family	New Const	est. 2024	9%LIHTC/HCD	HAP (12 Units)	12/28/22	$ 1,865,000	$ 34,391,773	CREA	$ 25,093,253	Bank of Hawaii	$ 7,100,000
15	Kai Olino - Unit C[2]	87 Okupu Street	Eleele	Kauai	HI	96705	Olali Partners LP	80%	27	Family	New Const	est. 2025	9%LIHTC/HCD/ RHRF	N/A	03/26/24	$ 1,044,000	$ 21,124,484	CREA	$ 16,147,585	Bank of Hawaii	$ 2,193,700
16	Lima Ola[2]	408 & 428 Kahunaone Steet (45 470 Kahunaone Street (2)	Eleele	Kauai	HI	96705	Lima Ola Family Partners LP	80%	85	Family & Senior	New Const	est. 2024	4%LIHTC/TE Bonds/HOME/HTD/ CDS	HAP (21 Units)	06/16/23	$ 204,000	$ 50,250,011	CREA	$ 28,081,806	First Hawaiian Bank	$ 8,350,000
17	Kapolei Parkway - Lot 6[2]	683 Wakea Street & 688 Manawai Street	Kapolei	Honolulu	HI	96707	KP6 Partners LLLP	24%	236	Family	New Const	est. 2025	4%LIHTC/TE Bonds/ RHRF	N/A	08/29/23	$ 75	$ 119,009,933	CREA	$ 67,513,176	Bank of Hawaii	$ 28,000,000
18	Kapolei Parkway - Lot 7[2]	689 Manawai Street	Kapolei	Honolulu	HI	96707	KP7 Partners LLLP	24%	169	Family	New Const	est. 2025	4%LIHTC/TE Bonds/ RHRF	N/A	08/29/23	$ 75	$ 90,257,768	CREA	$ 44,697,025	Bank of Hawaii	$ 19,000,000
19	330 Ku'ulei[2]	330 Ku'ulei Street	Kailua	Honolulu	HI	96734	330 Ku'ulei Land LLC	80%	40	Family	New Const				07/01/21	$ 3,075,000				Bank of Hawaii	$ 1,988,750
20	614 Wailepo[3]	614 Wailepo Street	Kailua	Honolulu	HI	96734	Wailepo Partners LP	80%	40	Family	New Const				05/05/23	$ 4,648,167				AHED SPE, Affiliate	$ 4,650,000
21	1142 Kinau[3]	1142 Kinau Street	Honolulu	Honolulu	HI	96814	1142 Land LLC	100%	120	Family	New Const				12/22/23	$ 5,200,000				Amercian Savings Bank	$ 4,940,000
	Big Island Bond[3]						TBD	80%													
	Jack Hall Kona	74-895 Kealakehe Street	Kailua-Kona	Hawaii	HI	96740			48	Family	Rehab	1978	USDA	HAP							

Ahe Group
REO PERFORMANCE
1/1/2025[1]

	Property Name	Address	City	County	State	Zip	Ownership (LP name)	Ahe Group Ownership	# of Units	Tenancy	Rehab or NC	Year Built	Funding	Rental Assistance	Purchase Date	Purchase Price	TDC	LIHTC Investor	Equity	Senior Lender	Senior Debt
23																					
	Waikoloa Gardens	68-1820 Pua Melia Street	Waikoloa	Hawaii	HI	96738			24	Family	Rehab	1984	USDA	USDA/RD							
	Ainakea Elderly	53-3996 Ainakea Drive	Kohala	Hawaii	HI	96755			21	Senior	Rehab	1991		HAP							
24	Smith Beretania[3]	1170 Nuuanu Ave	Honolulu	Honolulu	HI	96817	Smith Beretania Partners LP	50%	164	Family	Rehab										
25	Kuakini Heights[2]	TBD	Kailua-Kona	Hawaii	HI	96740	Kuakini Heights Partners LP	80%	100	Family	New Const										

Footnotes:

1 Some property data is based on unaudited 2024 YE data where 2024 audits were unavailable
2 Under construction/renovation or pre-stabilized
3 Under contract or in predevelopment

Ahe Group
REO PERFORMANCE
1/1/2025[1]

	Property Name	Status	Project Type	Location City	Location State	Affordability Programs	Total Units	Units by Unit Type Studio	1 BR	2 BR	3 BR	4BR	Units by AMI^ 30%	40%	50%	60%	80%	Building Type	Occupancy	NOI	Cap Rate	Est current market	Current Debt	MM Equity	Senior Debt Service	Senior Debt DSCR
1	Kaneohe Elderly	Stabilized	Senior	Kaneohe	HI	LIHTC, CDBG, Sect. 8 PBV, Bonds	44	0	44	0	0	0	0	0	22	21	0	Garden style	100%	$783,186	5.0%	$15,663,714	$5,928,728	$4,867,492.80	$388,041	2.02
2	Rice Camp II (Kaniko'o II)	Stabilized	Senior	Lihue	HI	LIHTC, HOME	30	0	24	6	0	0	0	0	29	0	0	Garden style	100%	$544,275	6.0%	$9,071,250	$94,367	$7,181,506.40	$15,171	35.88
3	River Pauahi	Stabilized	Family	Honolulu	HI	LIHTC, Section 8 PBV, Bonds	49	0	41	8	0	0	0	0	0	48	0	Garden style	98%	$775,989	5.0%	$15,519,780	$6,192,641	$4,663,569.50	$352,901	2.20
4	Hausten Gardens	Stabilized	Senior	Honolulu	HI	LIHTC, Section 8 PBV	50	0	50	0	0	0	0	0	0	49	0	Mid rise	100%	$686,822	5.0%	$13,736,440	$8,817,767	$2,459,336.50	$500,651	1.37
5	Waipahu Tower	Stabilized	Family	Honolulu	HI	LIHTC, Section 8 PBV, Bonds	64	0	2	62	0	0	0	0	55	7	0	High rise	98%	$788,045	5.0%	$15,760,900	$9,998,934	$3,457,179.60	$624,156	1.26
6	Whitmore Circle Apts	Stabilized	Senior	Wahiawa	HI	LIHTC, USDA/RD, Bonds	44	0	41	3	0	0	0	0	43	0	0	Garden style	98%	$301,282	5.0%	$6,025,640	$3,577,620	$1,224,010.00	$153,879	1.96
7	Waimea Huakai	Stabilized	Family	Waimea	HI	LIHTC, HOME, HCD, Section 8 PBV	35	0	9	20	6	0	4	0	4	26	0	Garden style	100%	$323,992	6.0%	$5,399,869	$2,532,847	$2,006,915.40	$152,880	2.12
8	Queen Emma Tower	Stabilized	Family	Honolulu	HI	LIHTC, Bonds, RHRF	71	32	13	26	0	0	4	0	0	66	0	Mid rise	90%	$423,019	5.0%	$8,460,380	$7,742,600	$287,112.00	$382,980	1.10
9	Jack Hall Waipahu	Construction	Family	Waipahu	HI	HUD Section 8	144	0	100	44	0	0	0	0	0	143	0	Garden style	97%	$2,168,082	5.8%	$37,380,724	$30,000,000	$3,616,554.83	$1,908,117	1.14
10	DE Thompson	Stabilized	Senior	Ewa Beach	HI	LIHTC, Bonds, USDA/RD	84	0	84	0	0	0	0	0	0	83	0	Garden style	100%	$621,474	6.8%	$9,207,022	$6,654,358	$2,042,131.38	$473,887	1.31
11	Pua Loke	Stabilized	Family	Lihue	HI	LIHTC, HOME, HTF, HCD, Section 8 PBV	54	0	15	24	15	0	5	0	5	39	4[3]	Garden style	98%	$555,453	6.0%	$9,257,550	$4,897,419	$3,488,104.80	$248,780	2.23
12	Pahala	Stabilized	Senior	Pahala	HI	USDA/RD	8	0	8	0	0	0	0	0	0	0	8	Garden style	100%	$33,384	8.0%	$417,300	$427,016	-$7,772.80	$25,152	1.33
13	Kawainui	Stabilized	Family	Kailua	HI	N/A	7	0	0	0	7	0	0	0	0	0	0	Single Family Homes	100%		**	*$8,400,000*	*$5,746,500*	*$2,122,800.00*	*$396,961*	**
14	Kai Olino - Unit A/B	Construction	Family	Eleele	HI	LIHTC, HCD, Section 8 PBV	48	0	0	36	12	0	6	6	34	0	0	Garden style								
15	Kai Olino - Unit C	Construction	Family	Eleele	HI	LIHTC, HCD	27	0	0	21	6	0	4	0	0	20	0	Garden style								
16	Lima Ola	Construction	Family & Senior	Eleele	HI	LIHTC, Bonds, HTF, HOME, CDS	85	0	45	36	4	0	11	0	2	67	4	Garden style								
17	Kapolei Parkway - Lot 6	Construction	Family	Kapolei	HI	LIHTC, Bonds, RHRF	236	34	66	94	27	13	12	0	0	224	0	Garden style								
18	Kapolei Parkway - Lot 7	Construction	Family	Kapolei	HI	LIHTC, Bonds, RHRF	163	42	43	57	14	11	9	0	0	160	0	Garden style								
19	330 Ku'ulei	Construction	Family	Kailua	HI	LIHTC, RHRF	40	0	24	16	0	0	4	4	0	28	0	Garden style								
20	614 Wailepo	Predevelopment	Family	Kailua	HI	TBD												Garden style								
21	1142 Kinau	Predevelopment	Family	Honolulu	HI	TBD												High rise								
	Big Island Bond	Under Contract				LIHTC, Bonds																				

Ahe Group
REO PERFORMANCE
1/1/2025[1]

	Property Name	Status	Project Type	Location City	Location State	Affordability Programs	Total Units	Units by Unit Type Studio	1 BR	2 BR	3 BR	4BR	Units by AMI^ 30%	40%	50%	60%	80%	Building Type	Occupancy	NOI	Cap Rate	Est current market	Current Debt	MM Equity	Senior Debt Service	Senior Debt DSCR
	Jack Hall Kona		Family	Kailua-Kona	HI	USDA/RD	48	0	12	24	12	0	0	0	0	47	0	Garden style								
22	Waikoloa Gardens		Family	Waikoloa	HI	USDA/RD	24	0	8	16	0	0	0	0	0	24	0	Garden style								
	Ainakea Elderly		Senior	Kohala	HI	HUD Section 8	21	0	21	0	0	0	0	0	0	20	0	Garden style								
23	Smith Beretania	Under Contract	Family	Honolulu	HI	LIHTC, Bonds, Section 8 PBV	164	0	82	82	0	0	0	0	163	0	0	High rise								
24	Kuakini Heights	Predevelopment	Family	Kailua-Kona	HI	LIHTC, Bonds, RHRF	100	0	28	60	12	0	6	0	0	92	0	Garden style								
	Totals						1640												99%					$37,408,940		

Footnotes:
1 Some property data is based on unaudited 2024 YE data where 2024 audits were unavailable
2 There are no 80% AMI units, these are 100% AMI units
3 See explanation provided by Ahe Group
** These single family homes are valued based on appraisals as oppoosed to the income approach which is used for the LIHTC assets.
^ The sum of units by AMI may not equal total units due to employee units

CREA QUESTIONS

		YES	NO
1	Have you received any notices of default from any equity or debt providers? Please check "yes" or "no.''		X

If "yes," please explain:

		YES	NO
2	Have you ever received an 8823?		X

If "yes," please explain:

MAKANI MAEVA

157 Makawao Street, Kailua, HI 96734 | (H) 808.263.7657 | (C) 808.381.5958 | mm@ahegroup.com

work history

Founder — Dec 2014 - Current
Ahe Group — Kailua, HI

- Founder of Ahe Group a Hawaii based affordable housing developer operating on three Hawaiian islands.
- Demonstrated expertise of Low Income Housing Tax Credit program, Tax Exempt Bonds, HUD, USDA conventional and affordable lending platforms
- Ownership interests in an extensive portfolio of 60 affordable housing properties across the United States totaling 7,862 units with 15 properties in Hawaii and 1,538 units
- Secured more than $336 million in construction and $151 million in permanent debt financing and in excess of $160 million in equity to support of the development of affordable multifamily rental housing in Haw

Director — May 2001 - Dec 2014
Vitus Group — Seattle, WA

- Director of the Hawaii office of Vitus Group, a nationwide affordable housing developer responsible for all aspects of project development from entitlements, to financing to construction
- Successfully developed the largest affordable project ever constructed in Hawaii, the 306 unit Lokahi Apartments
- Developed the first two LEED Platinum affordable housing projects in state of Hawaii, Kolopua and Kaniko'o

Project Coordinator — May 1995 - May 2001
Coastal Rim Properties, Inc/Kekuilani Development — Honolulu, HI

- Provided support to project managers and development participants for the development of first affordable housing project in Hawaii , the 176 unit Kulana Hale
- Managed the turn-key development of Kekuilani Gardens, a 56 unit new construction project

education

Bachelor of Arts: Liberal Arts — 1992
Pepperdine University — Malibu, CA

Sarah A. DeVries

2025 NE 44th Ave. #506, Portland, OR 97213 | 503.984.1956 | sd@ahegroup.com

Professional Experience

Ahe Group | January 2016 – Present

- Assess acquisition opportunities consistent with the company's mission and strategic plan.
- Prepare RFP responses and applications for state and federal funding including, LIHTC, CDBG, HOME, and HTF.
- Develop and refine transaction capital structures including solicitation of, and securing, equity and debt financing.
- Manage the acquisition and financing closing processes including due diligence, negotiation of equity and debt documents, and entitlements required for closing.
- Process monthly construction draws and equity requests.
- Oversee asset management, including review of monthly financial statements, annual budgeting processes, and management of annual audit and tax returns.

City Real Estate Advisors | **Vice President** | January 2012 – December 2015

- Structured and analyzed Low Income Housing Tax Credit (LIHTC) investments within investment guidelines, while achieving investor-required returns.
- Prepared and negotiated letters of intent, as well as all equity documents required for closing.
- Responsible for all aspects of the closing of complex real estate transactions utilizing LIHTC equity, including coordination and review of due diligence, coordination of third party vendors and all required internal closing approvals.
  - Closed 33 transactions, totaling $269 million in LIHTC equity.
- Prepared written investment briefs and presented investment recommendations to the Capital Committee.
- Completed special organizational development projects at the direction of the COO, including a complete redesign of the form investment committee package.

PNC Real Estate | **Senior Acquisitions Analyst, AVP** | February 2007 – May 2011

- Closed complex real estate transactions utilizing LIHTC, Historic Tax Credits, Investment Tax Credits and conventional and subsidized construction and permanent debt products.
  - Closed 28 transactions, totaling $151 million in equity and $94 million in PNC debt.
- Fostered productive working relationships with clients while identifying transaction risks, mitigations and maintaining investment returns.
- Evaluated long-term real estate issues through analysis of property operations, environmental conditions, title and survey, sponsorship/guarantor capacity, development scope and budget.
- Prepared written investment briefs and presented investment recommendations to the Acquisition Review Committee.
- Negotiated equity and debt documents working in collaboration with a team of constituents.
- Trained and mentored junior staff, planned and presented 'brown bag' trainings for underwriting staff and assisted in writing best practice guidance for the department.

Urban Development Dept., City of Salem | **Admin. Analyst III** | January 2006 – February 2007

- Managed compliance of $4.6 million portfolio with 200 multi-family units in 30 projects within established

guidelines of the federal Community Development Block Grant and HOME Investment Partnership Program.

- Packaged and presented transaction and regulatory material for community presentations, Advisory Board meetings and senior management.
- Created comprehensive policy and procedure manual to govern administration of federally funded programs and direct financial products, including compliance management tracking, project management systems, and proposal review and funding processes.

Portland Development Commission | Program Specialist | February 2004 – January 2006

Economic Development

- Provided loan coordinating and administrative services of business finance programs to the business loan and storefront grant teams.
- Reviewed all loan and grant applications for completeness, coherence and conformance to policy.
- Loan underwriting: verified applicant's financials; calculated business performance within loan/ grant parameters; reviewed borrower's ability to repay debt against program thresholds.

Resource Development

- Provided programmatic administrative support of the federal New Markets Tax Credit (NMTC) program including: policy analysis on changes in federal regulations; impact analysis on current projects, program budget and expenditures tracking; and general support functions.
- Carried out project planning functions for the NMTC Program Manager.
- Researched and created comprehensive financial resources matrix including all local, state and federal programs available for urban and economic development.

Affiliations & Volunteer Experience

Center for Women, Politics and Policy | Advisory Board Member | August 2006 – July 2012

Center for Women, Politics and Policy | Governance Chair | July 2010 – July 2012

Other Volunteer Experiences

- Transitions Project Inc. (Clark Center)
- Friends of Trees
- Girl's Inc. (Formally Girl's Initiative Network)
- Immigration and Refugee Community Organization

Education

Portland State University | Bachelor of Arts | June 2006

- Double major in Political Science and International Studies
- Member of Pi Sigma Alpha, the national Political Science honors society
- 2005 National Education for Women's Leadership Oregon alumna
- 2005 Scholarly and Creative Activity Grant recipient

References

Chris Abbot, Senior Vice President, Bank of Hawaii	808.694.8472
Matthew Harrington, Senior Vice President, PNC Real Estate	503.808.1349
Brad Bullock, Senior Vice President, CREA LLC	503.290.5034

Joelle K. Chiu

753 Pahumele Place, Kailua, HI 96734 | 808.778.7920 | jkc@ahegroup.com

Professional Experience

Ahe Group | 2016 – Present

- Assess acquisition opportunities consistent with the company's mission and strategic plan.
- Prepare RFP responses and applications for state and federal funding including, LIHTC, CDBG, HOME, and HTF.
- Develop and refine transaction capital structures including solicitation of, and securing, equity and debt financing.
- Manage the acquisition and financing closing processes including due diligence, negotiation of equity and debt documents, and entitlements required for closing.
- Process monthly construction draws and equity requests.
- Oversee asset management, including review of monthly financial statements, annual budgeting processes, and management of annual audit and tax returns.

Vitus | Project Manager | 2007 – 2016

- Prepare RFP responses and applications for state and federal funding including, LIHTC, CDBG, HOME, and HTF.
- Develop and refine transaction capital structures including solicitation of, and securing, equity and debt financing.
- Manage the acquisition and financing closing processes including due diligence, negotiation of equity and debt documents, and entitlements required for closing.
- Process monthly construction draws and equity requests.
- Oversee asset management, including review of monthly financial statements, annual budgeting processes, and management of annual audit and tax returns.

State of Hawaii – Department of the Attorney General | Deputy AG | 2002 – 2007

- Represent and advise the State Department of Education and the Board of Education.
- Appear in federal court, state court, and administrative hearings.
- Review legislation, rules, contracts and other legal documents

Watanabe, Ing & Kawashima | Attorney | 1999 – 2002

- Monitor legal risk in documentation and give guidance on the acceptable assumption of risk.
- Interpret laws, rulings and regulations for natural and juristic persons.
- Conduct legal research and gather evidence.
- Ensure that appropriate approvals are in place before documents are executed.
- Explain the law and give legal advice.
- Offer legal representation at arbitration or mediation hearings.
- Draft, review and manage pleadings and contracts.
- Manage regulatory and compliance-related services.
- Prepare pleadings, notices and make appearances in court.
- Offer legal representation to clients in court proceedings on civil matters.
- Manage and oversee paralegals and legal assistants.

Education

University of Southern California – Gould School of Law | Juris Doctorate | May 1999

University of Southern California – Leventhal School of Accounting | Bachelor of Science | December 1991