DAVID Y. IGE
GOVERNOR

FILE COPY

DR. CHRISTINA M. KISHIMOTO
SUPERINTENDENT

FEB - 8 2021

STATE OF HAWAI`I
DEPARTMENT OF EDUCATION
P.O. BOX 2360
HONOLULU, HAWAI`I 96804

OFFICE OF FACILITIES AND OPERATIONS

January 28, 2021

TO: Keith E. Kawaoka
Acting Director, Office of Environmental Quality Control
Department of Health

FROM: Edward S. Ige
Facilities Director, Facilities Development Branch

SUBJECT: **Draft Environmental Assessment and Anticipated Finding of No Significant Impact for the Proposed Waikele Elementary School New Classroom Building**
HIDOE Job No. Q86214-18
TMK: (1) 9-4-007:069
Waipahu, Oahu

With this letter, the Hawaii State Department of Education hereby transmits the Draft Environmental Assessment and Anticipated Finding of No Significant Impact (DEA-AFONSI) for the proposed Waikele Elementary School New Classroom Building situated on Tax Map Key parcel (1) 9-4-007:069 (por.), on the island of Oahu, for publication in the next available edition of The Environmental Notice.

In addition to this letter, the online Office of Environmental Quality Control (OEQC) Publication Form has been submitted through the OEQC website, including one electronic copy of the DEA-AFONSI as an Adobe Acrobat PDF file.

Should you have are any questions, please contact William George, Project Coordinator of the Facilities Development Branch, Project Management Section, at 784-5125 or Brittany Wheatman, Consultant with PBR Hawaii & Associates Inc., at 521-5631.

ESI:wg
Enclosures

c: Alissa Carson, Fung Associates, Inc.
Brittany Wheatman, PBR Hawaii & Associates, Inc.
Facilities Development Branch

21-108

From: webmaster@hawaii.gov
To: HI Office of Environmental Quality Control
Subject: New online submission for The Environmental Notice
Date: Thursday, January 28, 2021 2:01:42 PM

Action Name

Waikele ES New Classroom Building

Type of Document/Determination

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

HRS §343-5(a) Trigger(s)

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

Judicial district

ʻEwa, Oʻahu

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

(1) 9-4-007:069 (por.)

Action type

Agency

Other required permits and approvals

Numerous (see Section 5.3 of the Draft EA)

Proposing/determining agency

State of Hawaii, Department of Education

Agency contact name

William George

Agency contact email (for info about the action)

william.george@k12.hi.us

Agency contact phone

(808) 784-5125

Agency address

3633 Waialae Avenue
Honolulu, HI 96816
United States
Map It

Was this submittal prepared by a consultant?

Yes

Consultant

PBR HAWAII & Associates, Inc.

Consultant contact name

Brittany Wheatman

Consultant contact email

bwheatman@pbrhawaii.com

Consultant contact phone

(808) 521-5631

Consultant address

1001 Bishop Street
Suite 650
Honolulu, HI 96813
United States
Map It

Action summary

The new classroom building ("Project") will include the construction of a new, one-story building to provide a total of six new classrooms. The Project will replace the existing one-story portable classroom buildings at the existing location with a permanent structure designed to complement the style of other adjacent buildings within the Waikele Elementary School campus. The new classroom building is envisioned to hold the school's "Innovation Learning Center", which will host Arts & Communication and Industrial Engineering and Technology classes. The new classroom spaces will be designed as flexible, mixed-use spaces to support a more modern learning environment that can be adapted for student or teacher needs. The Project will also incorporate a covered, outdoor learning space and other support spaces including, but not limited to, storage rooms, an electrical room, restrooms, and an IT room. The Project will support the existing student population and will not increase enrollment.

Reasons supporting determination

Refer to Section 7.2 (Significance Criteria) of the Draft EA.

Attached documents (signed agency letter & EA/EIS)

- Waikele-ES-NCB_DEA-07-Compiled-011421.pdf
- Signed-Agency-Letter.pdf

Action location map

- WES-Project-Location-Shapefile.zip

Authorized individual

Brittany Wheatman

Authorization

- The above named authorized individual hereby certifies that he/she has the authority to make this submission.

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

DRAFT ENVIRONMENTAL ASSESSMENT

ANTICIPATED FINDING OF NO SIGNIFICANT IMPACT (HRS 343)

PREPARED FOR

STATE OF HAWAI'I, DEPARTMENT OF EDUCATION

PREPARED BY

PBR HAWAII & ASSOCIATES, INC.

FEBRUARY, 2021

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Appendix A: Pre-Assessment Consultation Comments and Responses

LIST OF ACRONYMS

The following is a list of terms, abbreviations, and acronyms used in this document.

A	
AC	air conditioning
ADA	Americans with Disabilities Act
AFONSI	Anticipated Finding of No Significant Impact
ALISH	Agricultural Lands of Importance to the State of Hawai‘i
AM	Morning
AMSL	Above Mean Sea Level
B	
BMPs	Best Management Practices
BWS	City and County of Honolulu, Board of Water Supply
C	
CGG	University of Hawai‘i Coastal Geology Group
COSCP	Central O‘ahu Sustainable Communities Plan
CZM	Coastal Zone Management
D	
dba	Doing business as
DFM	City and County of Honolulu, Department of Facility Maintenance
DLNR	State of Hawai‘i, Department of Land and Natural Resources
DOE	State of Hawai‘i, Department of Education
DOT	State of Hawai‘i, Department of Transportation
DPP	City and County of Honolulu, Department of Planning & Permitting
E	
EA	Environmental Assessment
EIS	Environmental Impact Statement
F	
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FONSI	Finding of No Significant Impact
G	
GPD	Gallons per day
H	
H-POWER	Honolulu Program of Waste Energy Recovery
HAR	Hawai‘i Administrative Rules
HI-CHPS	Hawai‘i Collaborative for High Performing Schools
HECO	Hawaiian Electric Company
HFD	Honolulu Fire Department
HPD	Honolulu Police Department
HRS	Hawai‘i Revised Statutes
L	
LSB	Land Study Bureau
LUC	State of Hawai‘i, Land Use Commission
LUO	Land Use Ordinance

M	
MPH	Miles per hour
N	
NFIP	National Flood Insurance Program
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System Permit
NRCS	Natural Resources Conservation Service
P	
PM	Afternoon
R	
R-5	Residential Zoning District (City and County of Honolulu)
ROH	Revised Ordinances of Honolulu
S	
SCP	Sustainable Communities Plan
SEFP	State Education Functional Plan
SFP	State Functional Plan
SLR	Sea Level Rise
SLR-XA	Sea Level Rise Exposure Area
SMA	Special Management Area
T	
TMK	Tax Map Key
U	
USGS	U.S. Geological Survey

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1.0 INTRODUCTION

This Environmental Assessment (EA) is prepared in accordance with Chapter 343, Hawai‘i Revised Statutes (HRS) for the construction of the proposed Waikele Elementary School new classroom building (Project).

1.1 PROJECT SUMMARY

Project Name:	Waikele Elementary School New Classroom Building
Location:	94-1035 Kukula Street, Waipahu, O‘ahu 96797
Judicial District:	‘Ewa
Tax Map Key (TMK):	(1) 9-4-007:069 (por.)
Proposing Agency:	State of Hawai‘i – Department of Education (DOE)
Landowner:	State of Hawai‘i
Existing Use:	Portable classroom buildings (two, one-story structures)
Proposed Action:	To construct a new, one-story building to provide a total of six new classrooms, a covered, outdoor learning space, and other support spaces including, but not limited to, storage rooms, an electrical room, restrooms, and an IT room.
Project Area:	• Approx. 0.43 acres (gross area)
Land Use Designations:	• State Land Use: *Urban* • Central O‘ahu Sustainable Communities Plan: Residential and Low Density Apartment • County Zoning: Residential (R-5)
Special Management Area:	The Project is not located in the Special Management Area.
Permits/Approvals Required:	• Chapter 343, HRS Compliance • National Pollutant Discharge Elimination System (NPDES) Permit (if necessary) • Dust Control Plan • Noise Permit (if necessary)

- Americans with Disabilities Act (ADA) Compliance
- Section 6E, Hawai‘i Revised Statutes (HRS) Review
- Industrial Wastewater Discharge Permit
- Grading, Grubbing, and Stockpiling Permits
- Building Permit (electrical, plumbing, civil)
- Occupancy Permit
- Site Development Master Application for Sewer Connection
- Storm Drain Connection License (if necessary)
- Storm Water Quality Strategic Plan

Determining Agency:	State of Hawai‘i – Department of Education (DOE)
Anticipated Determination:	Finding of No Significant Impact (FONSI)

1.2 LOCATION

Waikele Elementary School (WES) is located in Waikele, mauka of Waipahu, in Central O‘ahu, State of Hawai‘i (Figure 1). The proposed New Classroom Building and support facilities (the “Project”) will be located at the north-west corner of the elementary school campus (“Project Site”) where the two portable classroom buildings (containing five classrooms) are currently located.

1.3 SURROUNDING LAND USES

Waikele Elementary School is surrounded primarily by residential and recreational uses (Figure 2). The Project Site is located along a portion of the north and west boundaries of the school property, which is adjacent to a vacant lot to the north and a semi-vacant parcel to the west. The Waikele Community Association is located north of the Project Site and single-family residences surround the Waikele Elementary School to the north, east, and south. Further east of the school is the Waikele Country Club golf course, commercial developments including the Waikele Premium Outlets, Waikele Community Park, and other residential developments. The H-1 Freeway is located less than half a mile makai of the school, which separates the Waikele community from other parts of Waipahu.

1.4 LAND OWNERSHIP

Utilizing the Tax Map Key (TMK) system, the land under the Project Site is identified as TMK (1) 9-4-007:069 (portion), which is owned by the State of Hawai‘i (Figure 3).

Contact: William George
Project Coordinator
Facilities Development Branch, Project Management Section
State of Hawai‘i Department of Education
3633 Wai‘alae Avenue
Honolulu, HI 96816
Phone: (808) 784-5125
Fax: (808) 733-4660

1.5 IDENTIFICATION OF PROPOSING AGENCY

The Department of Education (DOE) is the project applicant.

Contact: William George
Project Coordinator
Facilities Development Branch, Project Management Section
State of Hawai‘i Department of Education
3633 Wai‘alae Avenue
Honolulu, HI 96816
Phone: (808) 784-5125
Fax: (808) 733-4660

1.6 IDENTIFICATION OF ENVIRONMENTAL CONSULTANT

The environmental consultant is PBR HAWAII & Associates, Inc. dba PBR HAWAII.

Contact: Brittany Wheatman
Planner
PBR HAWAII
1001 Bishop Street
ASB Tower, Suite 650
Honolulu, HI 96813
Phone: (808) 521-5631
Fax: (808) 523-1402

1.7 COMPLIANCE WITH STATE OF HAWAI‘I AND CITY AND COUNTY OF HONOLULU ENVIRONMENTAL LAWS

Preparation of this document is in accordance with the provisions of Chapter 343, HRS (2007) and Title 11, Chapter 200.1, Hawai‘i Administrative Rules (HAR) pertaining to Environmental Impact Statements. Section 343-5, HRS established nine “triggers” that require either an EA or an Environmental Impact Statement (EIS). The use of State or County lands or funds requires the preparation of an EA.

1.8 IDENTIFICATION OF AGENCIES CONSULTED

1.8.1 Early Consultation

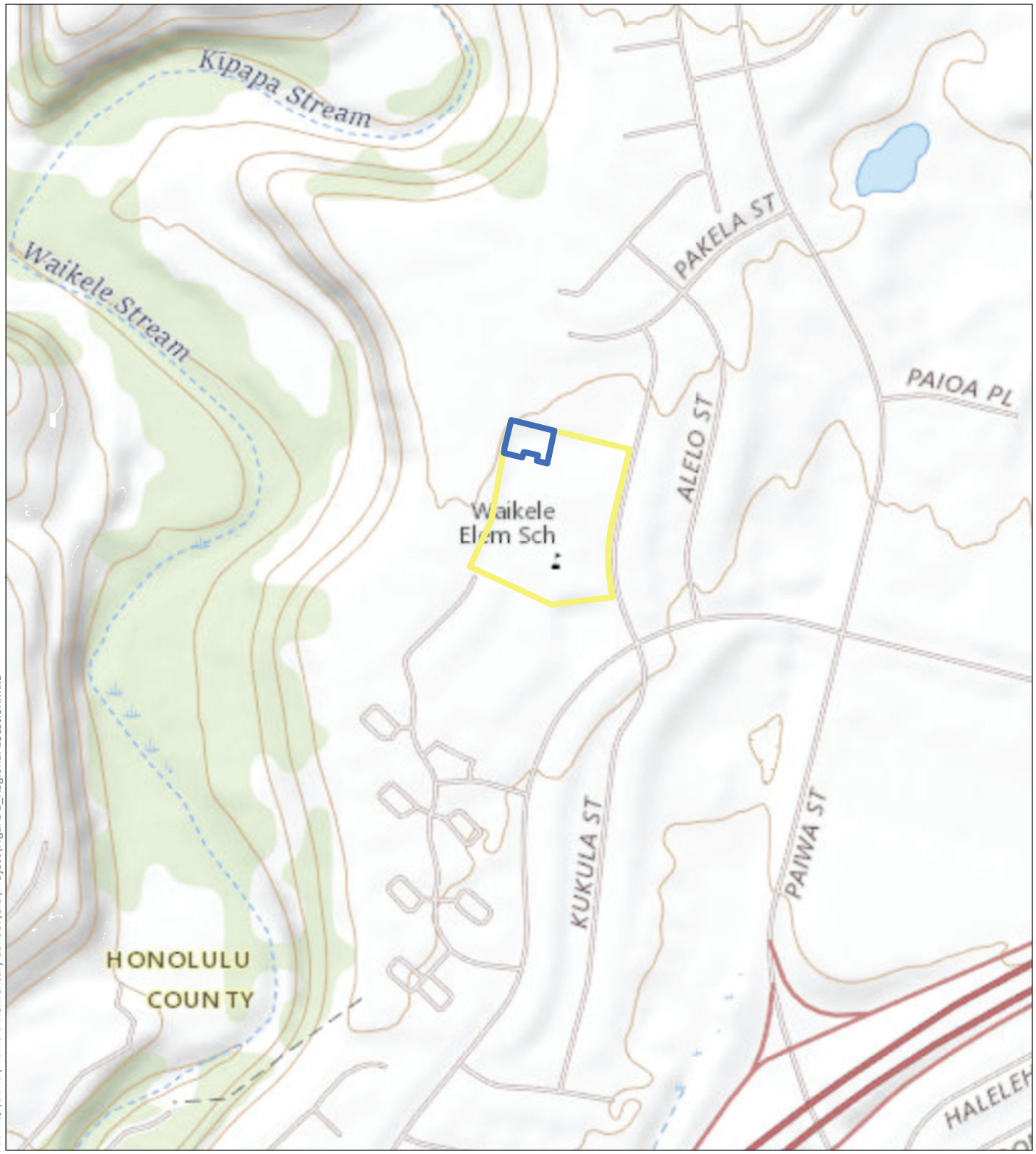
A pre-Assessment consultation was conducted from June 2020 to July 2020 prior to the preparation of the Draft EA. The purpose of the pre-Assessment consultation was to consult with agencies, organizations, and individuals with technical expertise or an interest in, or will be affected by, the Proposed Project. This process is part of the scoping process for the Draft EA. Comments and input received during this period were used to identify environmental issues and concerns to be addressed in the Draft EA.

As part of this early consultation process, the agencies, organizations, and individuals who were sent pre-Assessment consultation letters are listed in Table 1 below. Those who provided written comments (either by hard copy or electronically) are indicated in Table 1. Copies of the written comments and responses are reproduced in Appendix A.

Table 1: Pre-Assessment Consultation

Agencies/Organizations/Individuals	Pre-Assessment Consultation Letter Sent	Pre-Assessment Comment Received
STATE		
Office of Environmental Quality Control (OEQC)	X	
Department of Accounting and General Services	X	7/13/20
Department of Agriculture	X	
Department of Business, Economic Development & Tourism (DBEDT)	X	
DBEDT – Hawaiʻi State Energy Office/Strategic Industries Division	X	
DBEDT - Office of Planning	X	
Department of Defense	X	7/16/20
Department of Hawaiian Home Lands	X	
Department of Health (DOH)	X	
DOH – Environmental Health Administration	X	
Department of Human Services	X	12/14/20
Department of Labor and Industrial Relations	X	
Department of Land and Natural Resources (DLNR)	X	8/20/20
DLNR – Historic Preservation Division	X	
Department of Transportation	X	7/13/20
Hawaiʻi Housing Finance and Development Corporation	X	
Office of Hawaiian Affairs	X	
FEDERAL		
U.S. Army Corps of Engineers, Honolulu District	X	
U.S. Fish and Wildlife Service	X	7/21/20
Federal Emergency Management Agency, Region IX	X	

Agencies/Organizations/Individuals	Pre-Assessment Consultation Letter Sent	Pre-Assessment Comment Received
COUNTY		
Board of Water Supply	X	7/15/20
Department of Community Services	X	
Department of Customer Services	X	
Department of Design and Construction	X	9/28/20
Department of Environmental Services	X	
Department of Facility Maintenance	X	7/13/20
Department of Parks and Recreation	X	8/17/20
Department of Planning and Permitting	X	7/30/20
Department of Transportation Services	X	
Fire Department	X	7/9/20
Police Department	X	7/16/20
ELECTED OFFICIALS		
State Senator Michelle Kidani	X	
State Representative Ryan Yamane	X	
City Councilmember Ron Menor	X	
Neighborhood Board No. 22 Chair Rito Saniatan	X	
UTILITIES		
Hawaiian Electric Company, Inc.	X	
Spectrum	X	8/3/20
Hawaiian Telcom	X	
CITIZEN GROUPS/INDIVIDUALS, OTHER CONSULTED PARTIES		
Waikele Community Association	X	



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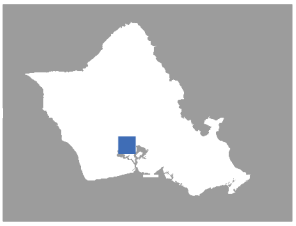
DATE: 7/14/2020

Figure 1:
Regional Location

LEGEND

- Project Site
- Waikele Elementary School



WAIKELE ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING

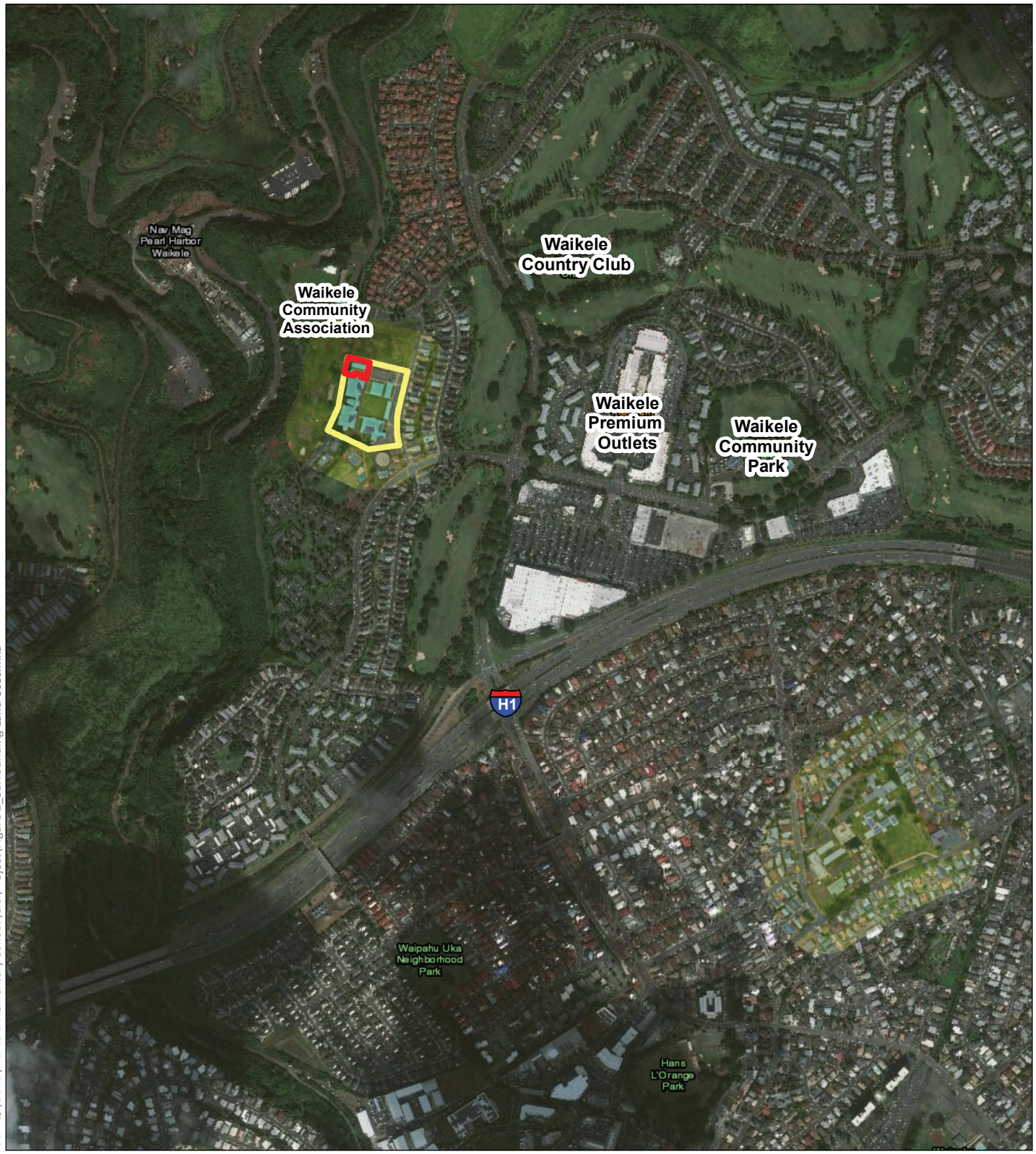
State of Hawai'i - Department of Education — O'ahu

North — Linear Scale (feet): 0 125 250 500

PBR HAWAII & ASSOCIATES, INC.

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.



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Path: Q:\Oahu\Waikele Elementary School\GIS\Project\Figure 2_Surrounding Land Uses.mxd

DATE: 7/14/2020

Figure 2:
Surrounding Land Uses

LEGEND

- Project Site
- Waikele Elementary School

WAIKELE ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

North

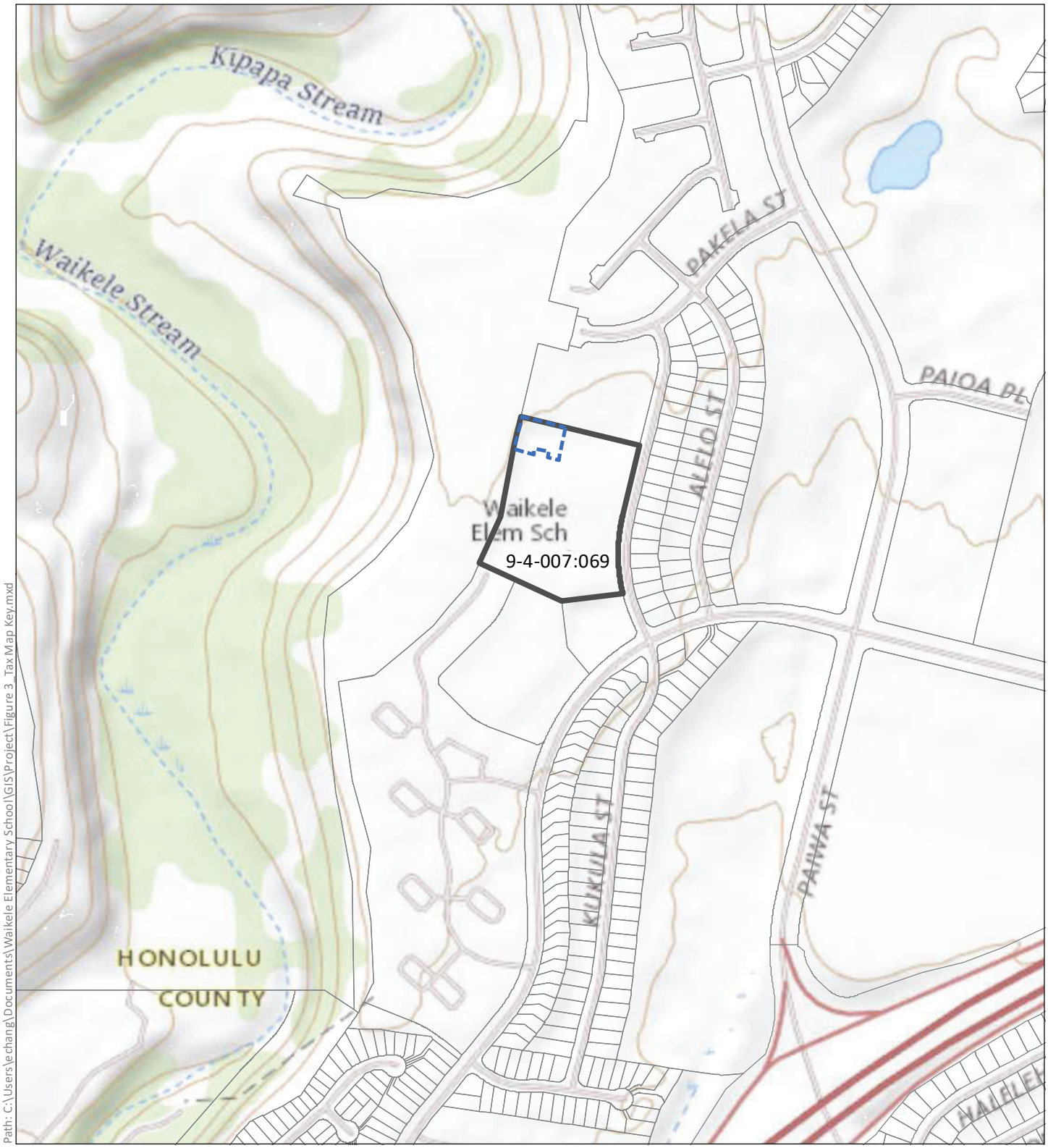
Linear Scale (feet)

0 250 500 1,000

PBR HAWAII & ASSOCIATES, INC.

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.



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Path: C:\Users\echang\Documents\Waikele Elementary School\GIS\Project\Figure 3_Tax Map Key.mxd

DATE: 7/28/2020

LEGEND

- Project Site
- Waikele Elementary School
- Tax Map Key Parcels

Figure 3:
Tax Map Key

WAIKELE ELEMENTARY SCHOOL
NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

North

Linear Scale (feet)

0 125 250 500

PBR HAWAII & ASSOCIATES, INC.

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

1. View of the Waikele Elementary School mauka boundary and vacant parcel to the north (right).

2. View of portable classroom buildings on the Project Site from the faculty parking lot.

3. View of Waikele Elementary School from the vehicle entrance on Kukula Street, looking west toward the Project Site.

4. View of a portable classroom building on the Project Site, looking northwest.

5. View of the west boundary of Waikele Elementary School with one of the portable classrooms on the right an adjacent permanent building on the left.

KEY MAP

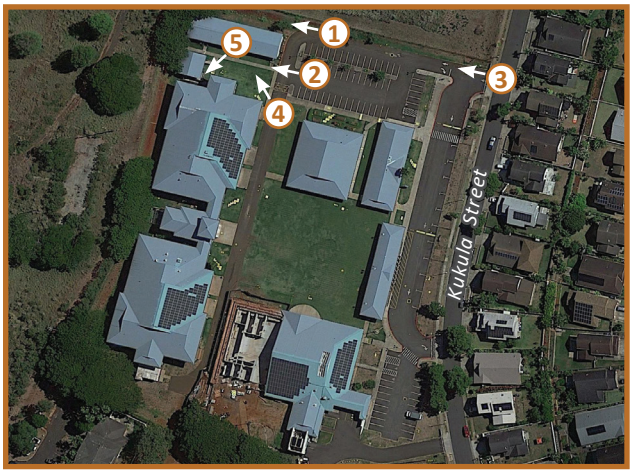

Figure 4:
Site Photos

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

PBR HAWAII & ASSOCIATES, INC.

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2.0 PROJECT DESCRIPTION

This section provides background information and a general description of the Waikele Elementary School New Classroom Building ("Project").

2.1 BACKGROUND AND NEED FOR THE PROJECT

The Waikele Elementary School campus is located in Waikele, in Central O‘ahu, State of Hawai‘i (Figure 1). The proposed New Classroom Building will be located on the site of the existing temporary portable classrooms at the north west corner of the campus, as shown in Figure 1. Photos of the site are shown in Figure 4.

According to Principal Sheldon Oshio, "*Waikele Elementary is the only elementary school in Hawai‘i to fully integrate academy pathways into its school design. This design prepares students for college, careers and community with explorative learning experiences that spark and shape student passion.*

The academy pathways include: arts and communication, health services, business, industrial and engineering technology, natural resources, and public and human services. Examples of the Waikele Elementary academy pathway classes include sewing, movie-making, nature art, basketball, nutrition, finance, STEM, coding, architecture, cooking, veterinary studies, and much more…

This intentional alignment to Hawai‘i's Career and Technical Education (CTE) provides students with college and career-aligned learning experiences through elective courses typically reserved for secondary-level students. The classes offered are selected by students based on their own interests and aspirations. This unique, student-centered design, aligned to CTE career pathways/academies, also features multi-age classes, which provide equity and access to all students.

The integration of academy pathways into their School Design fully aligns with and supports the Waipahu Complex's commitment to providing challenging and relevant educational opportunities to prepare all students for college and career success. It was established as a result of backwards mapping from Waipahu High School's college and career academy school design. Waikele Elementary students are now able to find what sparks their interest and can explore these curiosities further through this innovative program."

2.2 PROJECT OBJECTIVES

The objective of the New Classroom Building is to provide six new classroom facilities, a covered, outdoor learning space, and other support spaces including, but not limited to, storage rooms, an electrical room, restrooms, and an IT room. The New Classroom Building will replace the existing portable classroom facilities located at the Project Site and will not increase student enrollment.

2.3 DESCRIPTION OF THE PROJECT

The new classroom building ("Project") will include the construction of a new, one-story building to provide a total of six new classrooms. The new classroom building is envisioned to hold the school's "Innovation Learning Center", which will host Arts & Communication and Industrial Engineering and Technology classes. The new classroom spaces will be designed as flexible, mixed-use spaces to support a more modern learning environment that can be adapted for student or teacher needs. The Project will also incorporate a covered, outdoor learning space and other support spaces including, but not limited to, storage rooms, an electrical room, restrooms, and an IT room.

The Project will replace the existing one-story portable classroom buildings at the existing location ("Project Site") with a permanent structure designed to complement the style of other adjacent buildings within the Waikele Elementary School campus.

The design of the Project will follow the Hawai‘i - Collaborative for High Performance Schools (HI-CHPS) to the extent that funding will allow. HI-CHPS is the Hawaii-specific version of the national CHPS organization, which is *"committed to building a new generation of healthy, efficient, environmentally responsive schools for all school children"* and *"offers technical resources and databases, training and education, membership, verification and recognition"* (Hawai‘i Collaborative for High Performance Schools, 2012). The HI-CHPS criteria for high performing schools was developed by Hawai‘i stakeholders to consider and take advantage of Hawai‘i's climate, school needs, state codes and regulations, and environmental regulations. HI-CHPS schools include criteria ranging from facility durability and systems efficiency (i.e. water, energy, waste, etc.), comfortable learning environments (i.e. thermal, visual, acoustic), high indoor air quality, environmentally responsive sites, and, above all, education of future citizens.

2.4 PROJECT COST AND IMPLEMENTATION TIMEFRAME

Construction of the New Classroom Building is anticipated to start after 2021 and expected be completed in 14 months. Without completing the schematic design process, the project is estimated to cost $9.5 million dollars.

3.0 DESCRIPTION OF THE NATURAL ENVIRONMENT, POTENTIAL IMPACTS, AND MITIGATION MEASURES

This section describes the existing conditions of the physical or natural environment, potential impacts of the Project to the environment, and mitigation measures to minimize impacts.

3.1 CLIMATE

Waikele is located in the central leeward side of the Island of O‘ahu. This area has year-round warm, humid weather with average daytime temperatures that range from the mid- 70s to high 80s, with an annual precipitation of approximately 30 inches per year (R.M. Towill Corporation, 1996).

Potential Impacts and Mitigation Measures

Ideally, the building will look similar to the adjacent classroom building (surfaces will match existing colors and materials; roof will me similar metal roof with insulation, as required) but will meet IIEC codes and will incorporate HI-CHPS, to the extent possible. The design process will take into account and address the effects of solar heat gain and exposure of the building envelope. Building orientation and form will be studied to optimize for trade winds and control solar heat gain while allowing for natural daylighting. The building design and the site design will work in conjunction to help reduce overall thermal heat gain. Currently being considered for use are: light colored reflective surfaces, insulation, sun shading devices, high-performance glazing, and other design strategies/technologies that could help to reduce the thermal loading on these sides of the building.

3.2 TOPOGRAPHY

Waikele Elementary School slopes gradually from the northwest corner of the site to the southeast corner. Elevations range from approximately 240 feet above mean sea level (amsl) at the northwest corner of the school to approximately 210 feet amsl at the southeast corner. The location of the Project Site is located along the mauka portion of the school boundaries and is generally level, situated at elevations between 240 and 230 feet amsl (see Figure 5).

Potential Impacts and Mitigation Measures

The proposed Project will be built upon mostly-graded land where existing portable classroom facilities are located at the northwest corner of the school site. By replacing the existing facilities, the proposed Project will have a negligible effect on the topography of the area (Figure 5). The building heights for the proposed one-story Project will be lower than the adjacent two-story buildings located on the campus. During construction, a National Pollutant Discharge Elimination System (NPDES) permit may be required for the Project if the demolition, construction and staging areas results in the disturbance of over one (1) acre of land area. Best Management Practices (BMPs) will be implemented to prevent pollution and protect the environment. If required, the Project will have an erosion and sedimentation control plan prepared to address all construction activities.

3.3 SOILS

Three soil suitability studies prepared for lands in Hawai‘i principally focus on the relative agricultural productivity of different land types. These studies are: 1) the U.S. Department of Agriculture Natural Resource Conservation Service (NRCS) Soil Survey; 2) the University of Hawai‘i Land Study Bureau Detailed Land Classification; and 3) the State Department of Agriculture’s Agricultural Lands of Importance to the State of Hawai‘i (ALISH).

3.3.1 Natural Resources Conservation Service (NRCS)

The *Natural Resource Conservation Service, Soil Survey for the Island of O‘ahu*, classifies the soil underlying the Project Site as primarily Moloka‘i silty clay loam, 7 to 15 percent slopes (MuC) with a small area along the west boundary of the Project Site classified as Moloka‘i silty clay loam, 3 to 7 percent slopes (MuB) (Figure 6). These soils are well drained with medium runoff and a moderate erosion hazard.

3.3.2 Land Study Bureau (LSB) Detailed Land Classification

The University of Hawai‘i Land Study Bureau (LSB) document, *Detailed Land Classification, Island of O‘ahu***,** classifies soils based on a productivity rating. Letters indicate class of productivity with A representing the highest class and E the lowest. The soils of the entire Waikele Elementary School campus are unclassified by LSB.

3.3.3 Agricultural Lands of Importance to the State of Hawai‘i (ALISH)

The Agricultural Lands of Importance to the State of Hawai‘i (ALISH) system classifies important agricultural lands as Prime, Unique, or Other Agricultural Land. The Waikele Elementary School campus is classified as “Prime” agricultural land.

Potential Impacts and Mitigation Measures

Construction of the Project will not have a deleterious effect on the soil in the Project Site. The site has been previously modified to accommodate the development of the existing campus buildings on the site. As such, the proposed development has no capacity to impact the availability of agricultural land for cultivation.

3.4 HYDROLOGY

The Waikele Elementary School campus is located within the Kapakahi Watershed, which measures approximately 280 acres and is part of the greater Central O‘ahu Watershed Area that feeds into Pearl Harbor. Watersheds capture rainfall and atmospheric moisture from the air and allows the water to drip slowly into underground aquifers or enter stream channels and eventually to the ocean.

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DATE: 7/28/2020

Figure 5:
Topography

LEGEND

- Project Site
- Waikele Elementary School
- 10-ft Contours 10Ft

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

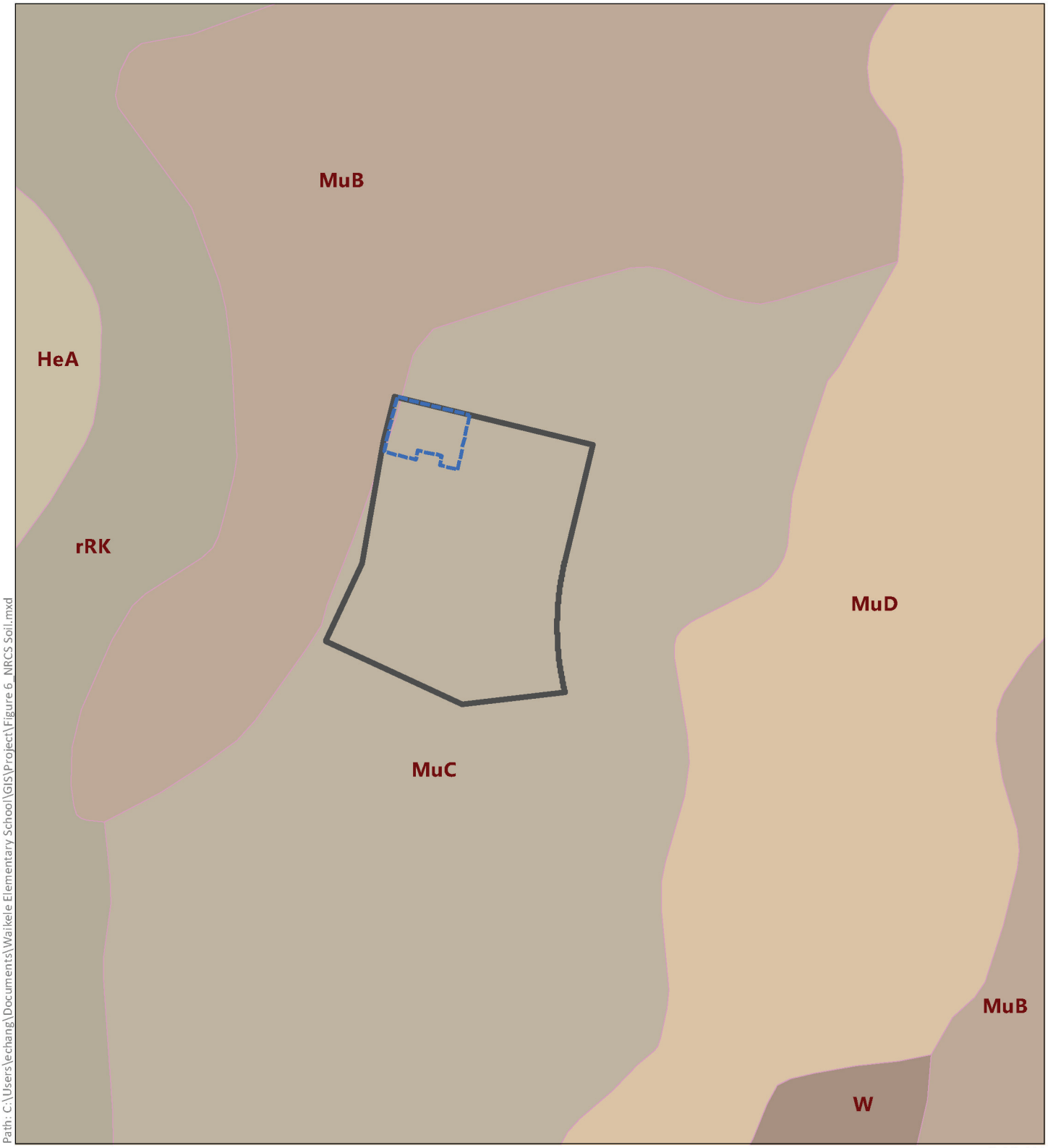
North Linear Scale (feet)

0 50 100 200

PBR HAWAII & ASSOCIATES, INC

Source: Hawai'i State Department of Education. NOAA ifSAR , 10-ft contours, 2007. ESRI Online Basemap.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.



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Path: C:\Users\echang\Documents\Waikele Elementary School\GIS\Project\Figure 6_NRCS Soil.mxd

DATE: 7/28/2020

LEGEND

Project

Waikele Elementary

NRCS Soil Classification

HeA: Haleiwa silty clay, 0 to 2% slopes

MuB: Molokai silty clay loam, 3 to 7% slopes

MuC: Molokai silty clay loam, 7 to 15% slopes

MuD: Molokai silty clay loam, 15 to 25% slopes

W: Water > 40 acres

rRK: Rock

Figure 6:
Natural Resources Conservation Service (NRCS) Soil Survey

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

North

Linear Scale (feet)

0 75 150 300

PBR HAWAII & ASSOCIATES, INC

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. Natural Resources Conservation Service, 2017.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

Surface Water

As the Project Site is located on a gradual slope, surface water generally sheet flows to drain inlets located within the parking lot which is then piped to Kukula Street and to Lumiʻaina Street into the Waikele Golf course.

Ground Water

The Waikele Elementary School campus is situated in the Waipahu-Waiawa Aquifer System of the Pearl Harbor Aquifer Sector Area. This aquifer sector area is the Honolulu Board of Water Supply's (BWS) largest source of potable water, and the Waipahu-Waiawa Aquifer System Area is the primary source of water in the Central Oʻahu Watershed (Honolulu Board of Water Supply, U.S. Army Corps of Engineers, and the City and County of Honolulu Department of Environmental Services, 2007).

Wetlands

No wetlands occur directly on the Project Site or on the Waikele Elementary School campus. The USFWS National Wetlands Inventory indicates that the nearest wetland is a Freshwater Emergent Wetland habitat (classified as PEM1C), located over 1,900 feet makai (south/southeast) of the proposed Project Site (U.S. Fish and Wildlife Service, n.d.).

Potential Impacts and Mitigation Measures

The proposed Project will be built upon mostly-graded land where temporary portable classroom facilities are currently located at the northwest edge of the campus. By replacing the existing portable classroom facilities, the Project will have a negligible effect on the topography and hydrology of the Site (Figure 5). Low-Impact Development (LID) features may also be incorporated to reduce the volume of surface water runoff and improve water quality by decreasing the amount of sedimentation and pollutants.

During grading and construction, there is always the potential for soil erosion and runoff, and the generation of fugitive dust. All construction activities will comply with all applicable federal, state, and county regulations and rules for erosion, sedimentation, and dust control. Contractors will use best management practices (BMPs) to minimize erosion during construction and planting, including watering loose soils during construction, and planting groundcover over areas where construction has been completed. Additionally, BMPs for stormwater management will be implemented to minimize impacts of the Project to the area's hydrology and existing drainage facilities, while maintaining on-site infiltration and preventing polluted runoff from storm events. These measures will address any direct impacts from construction and avoid any secondary or cumulative impacts from erosion or fugitive dust caused by construction. Following construction, exposed soils will have been built over, paved over or landscaped to control erosion. A NPDES permit may be required for the project if the demolition, construction and staging areas results in the disturbance of over one (1) acre of land area.

Long-term impacts will be mitigated by the installation of LID measures to manage stormwater at this site before it is returned to the natural system. Such measures will be designed to manage stormwater in a way that better replicates natural systems, thereby slowing the flow of surface

water from the site and reducing pollutants in the process, resulting in improved water quality of the downstream water bodies. No impacts to ground water resources are anticipated.

Construction and permanent post-construction BMPs and LID measures will be designed, implemented, and maintained in compliance with the Administrative Rules, Title 20, Department of Planning and Permitting (DPP), Chapter 3 – Rules Relating to Water Quality, effective August 16, 2017. Onsite drainage system improvements will be designed in accordance to DPP's Storm Drainage Standards, dated August 2017. See also the discussion in Section 4.7.3 (Drainage System) below.

3.5 NATURAL HAZARDS

Natural hazards like flooding, tsunami inundation, hurricanes, earthquakes, and volcanic eruptions have historically impacted the Hawaiian Islands. Climate change will also impact the Islands, as will the related sea level rise.

Flooding

According to the Flood Insurance Rate Map (FIRM) prepared by the Federal Emergency Management Agency (FEMA), National Flood Insurance Program, the Project Site is located in "Zone D", meaning base flood statistics have not yet been measured (Figure 7). The Project Site sits at an elevation over 200 feet amsl where the risks of flooding are low due to the topography of the Site and surrounding areas.

Tsunami

Since the early 1800s, approximately 50 tsunami have inundated Hawai'i's shores. Seven historical events have caused major damage. The most recent tsunami to impact O'ahu occurred on March 11, 2011, causing damage at several locations around the island, especially the North Shore. There are no records of inundation of lands in the vicinity of Waikele Elementary School during any of the recorded tsunami.

The City and County of Honolulu uses three tsunami evacuation designations. The first is the Tsunami Evacuation Zone where evacuation is required for any tsunami warning. The second is the Extreme Tsunami Evacuation Zone where additional areas must be evacuated only during an extreme tsunami event generated from earthquakes of Magnitude 9+ on the Richter scale. Remaining areas are identified as safe areas that are anticipated to be outside of the inundated areas due to tsunami events. The proposed Project is located outside both the Tsunami Evacuation Zone and the Extreme Tsunami Evacuation Zone (Figure 8).

Hurricanes

Since 1980, two hurricanes have had a devastating effect on Hawai'i: Hurricane 'Iwa in 1982 and Hurricane 'Iniki in 1992. Long-term prediction of future hurricanes is virtually impossible. However, one should reasonably anticipate the prospect of another hurricane impacting the islands.

Earthquake & Volcanic Hazards

In Hawai'i, volcanic activity produces most earthquakes in contrast to other areas sitting on tectonic plate margins. Thousands of earthquakes occur in Hawai'i each year. However, the vast

majority of them are undetectable through normal human senses. A few historical earthquakes have reached moderate and even disastrous magnitudes.

The last earthquakes felt statewide were magnitudes of 6.7 and 6.0. These earthquakes occurred at Kīholo Bay along Hawai‘i Island’s Kona Coast on October 15, 2006. These earthquakes resulted in more than $100 million in damages to the northwest area of Hawai‘i Island and minimal damage on O‘ahu. From that same event, O‘ahu was also subject to an earthquake induced electrical blackout that paralyzed the city of Honolulu and shut down the Honolulu International Airport for nearly a day.

Climate Change & Sea Level Rise

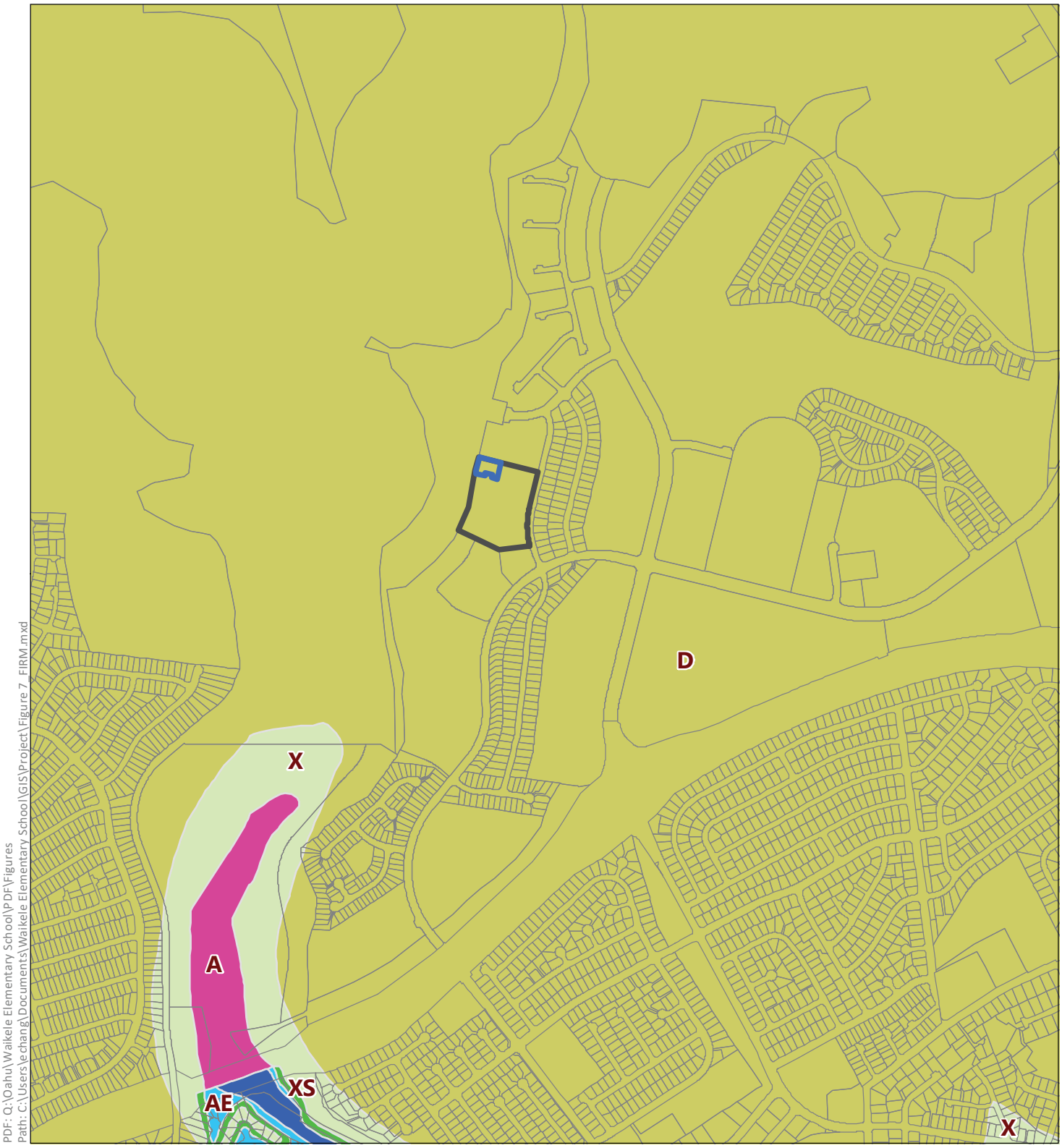
As global temperatures increase, established patterns of weather and climate are shifting. These erratic changes in weather patterns have increased the severity of events like droughts, storms, floods, and even hurricanes, while at the same time causing these events to be more difficult to predict and protect against. The fragility of the ecosystems and unique island nature of O‘ahu and the Hawaiian Islands at large makes the state particularly vulnerable to the damaging effects of climate change. Global sea levels are on the rise, and have the potential to erode and even inundate coastal areas over the course of the next century.

The *Hawai‘i Sea Level Rise Vulnerability and Adaptation Report* issued by the State of Hawai‘i in December 2017 includes scientific modeling of sea level rise impacts such as a 3.2-foot Sea Level Rise Exposure Area (SLR-XA) as modeled by the University of Hawai‘i Coastal Geology Group (CGG) and the 6-foot SLR line as modeled by the National Oceanic and Atmospheric Administration (NOAA) Digital Coast Sea Level Rise Viewer. These scientific models also informed the *Sea Level Rise Guidance* issued by City and County of Honolulu’s Climate Change Commission, which recommended that the City start planning for a 3.2-foot SLR-XA by mid-century and a 6-foot SLR-XA in later decades.

Potential Impacts and Mitigation Measures

The proposed Project is not anticipated to have any impact or any deleterious effects on natural hazard conditions and no unique mitigation measures are planned, other than observing the International Building Code in the design of the facility (to address the potential impacts from hurricanes and earthquakes).

The Project is located not only outside the 3.2-foot SLR-XA as modeled by the University of Hawai‘i CGG, but also beyond the 6-foot SLR line as modeled by the NOAA Digital Coast Sea Level Rise Viewer (see Figure 9). Waikele Elementary School’s location approximately 1.6 miles inland from the nearest coastline and at over a 200-foot elevation, protects the Project Site from potential impacts of sea level rise.



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DATE: 7/27/2020

LEGEND

- Project Site
- Waikele Elementary School

Flood Zone

- A: 1% annual chance flood, no BFE
- AE: 1% annual chance flood, with BFE
- Floodway areas in AE
- XS: 0.2% annual chance flood
- X: Minimal flood areas
- D: Unstudied areas

Figure 7:
Flood Insurance Rate Map (FIRM)

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

North

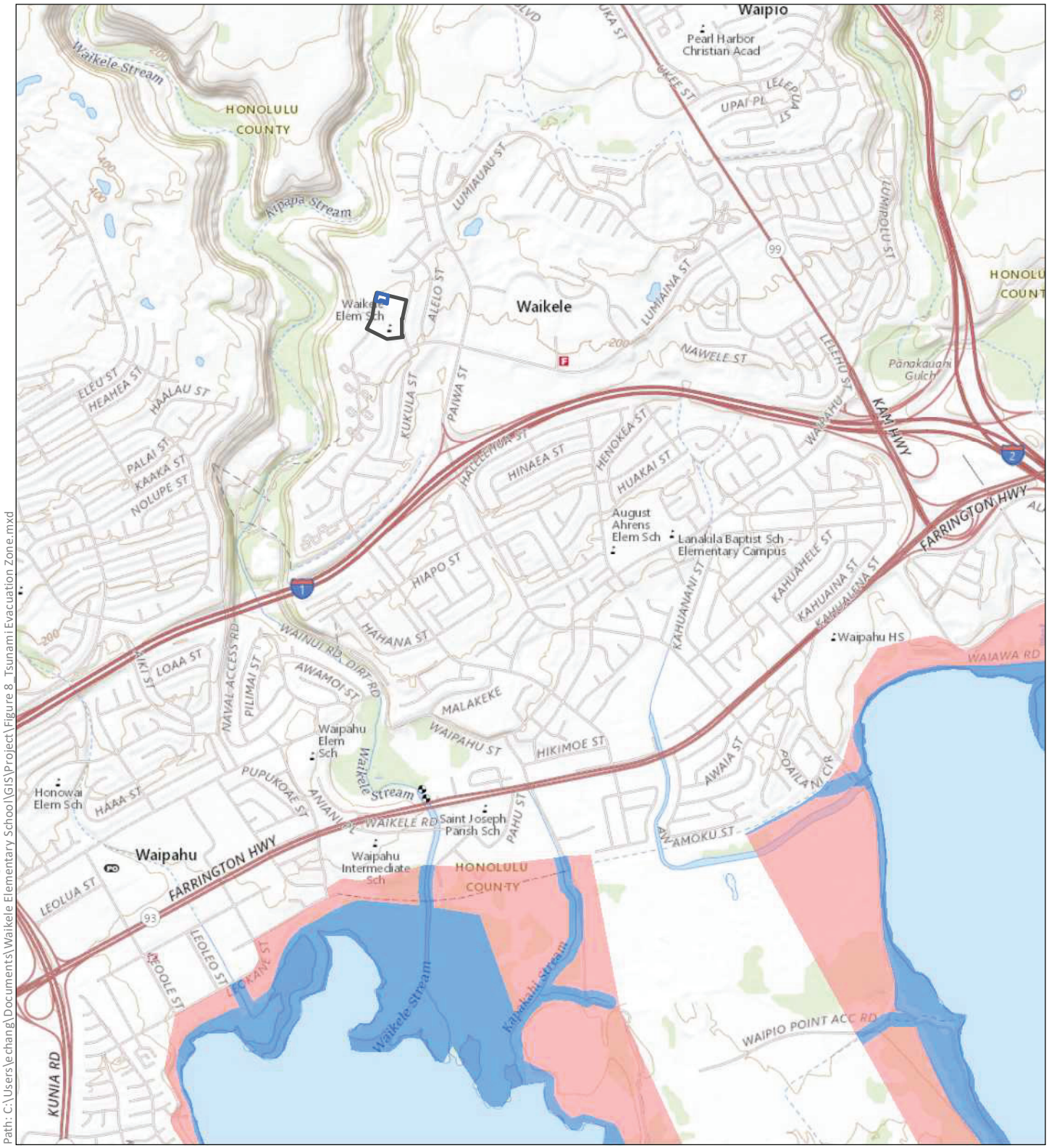
Linear Scale (feet)

0 250 500 1,000

PBR HAWAII & ASSOCIATES, INC.

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. Federal Emergency Management Agency, 2019.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.



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DATE: 7/27/2020

LEGEND

- Project Site
- Waikele Elementary School
- Tsunami Evacuation Zone
- Extreme Tsunami Evacuation Zone

Figure 8:
Tsunami Evacuation Zones

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

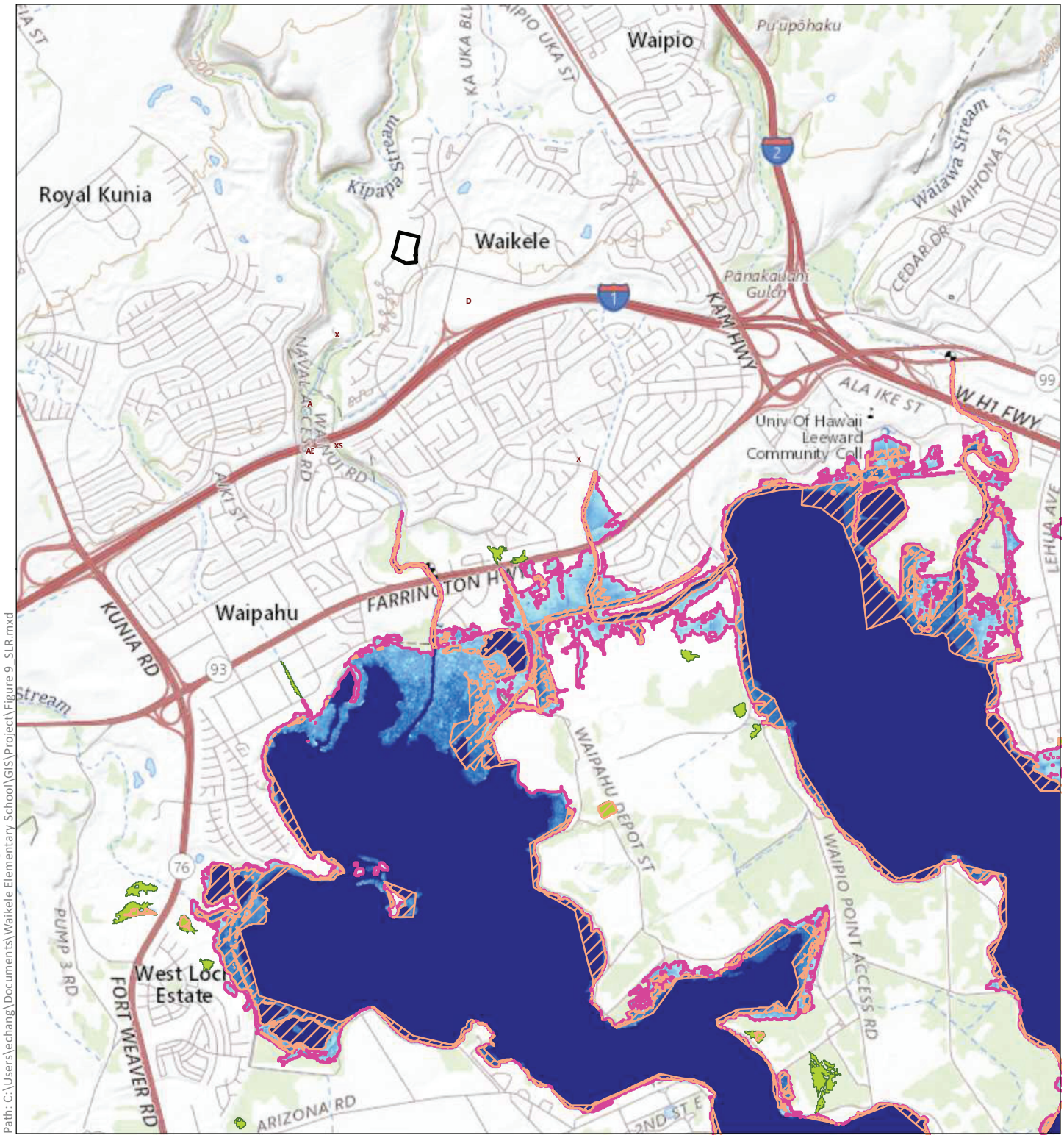
North Linear Scale (feet)

0 500 1,000 2,000

PBR HAWAII & ASSOCIATES, INC

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. Tsunami Evacuation Zone Maps, City & County of Honolulu, 2010.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.



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LEGEND

- Waikele Elementary School
- 3.2-ft Sea Level Rise Exposure Area*
- 6.0-ft Sea Level Rise Inundation**
- Low-Lying Areas

Water Depth
Deep
Shallow

*Based on the methodology of modeling used in the Hawai'i Sea Level Rise Vulnerability and Adaptation Report, the 3.2-ft sea level rise exposure area is an aggregate of sea level rise, passive flooding (still water high tide flooding), annual high wave flooding (over wash during the largest wave events of the year), and coastal erosion (PacIOOS, 2018).
**The 6.0-ft sea level rise indundation shown maps sea level rise on top of mean higher high water (MHHW) in a modified bathtub approach. This data does not incorporate future changes in coastal geomorphology and assumes present conditions will persist, which will not be the case (NOAA, 2012).

DATE: 7/27/2020

Figure 9:
Sea Level Rise

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education
O'ahu

North
Linear Scale (feet)
0 750 1,500 3,000

PBR HAWAII & ASSOCIATES, INC

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. PacIOOS, 2018. NOAA, 2012.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

3.6 FLORA & FAUNA

The Waikele Elementary School campus has been subject to intense human utilization since its construction in 1998. Within the immediate proximity of the Project Site, there are no known habitats for rare, threatened, or endangered flora or faunal species (Figure 10). The Waikele Elementary School campus includes paved walkways and landscaped areas between buildings, including the Project Site.

During the pre-assessment consultation period for the Draft EA, the U.S. Fish and Wildlife Service (USFWS) Pacific Islands Fish and Wildlife Office (PIFWO) commented "*Due to significant workload constraints, PIFWO is currently unable to specifically address your information request…Based on your project location and description, we have noted the species most likely to occur within the vicinity of the project area.*"

According to the list provided by the PIFWO, the protected species noted most likely to "occur in or near the Project area" include the Hawaiian hoary bat or ʻōpeʻapeʻa (*Lasiurus cinereus semotus*), the Band-rumped storm-petrel or ʻakēʻakē (*Oceanodroma castro*), Hawaiian petrel or ʻuaʻu (*Pterodroma sandwichensis*), and the Newell's shearwater or ʻaʻo (*Puffinus auricularis newelli*).

During the pre-assessment consultation period for the Draft EA, the State of Hawaiʻi Department of Land and Natural Resources (DLNR), Division of Forestry and Wildlife (DOFAW) wrote:

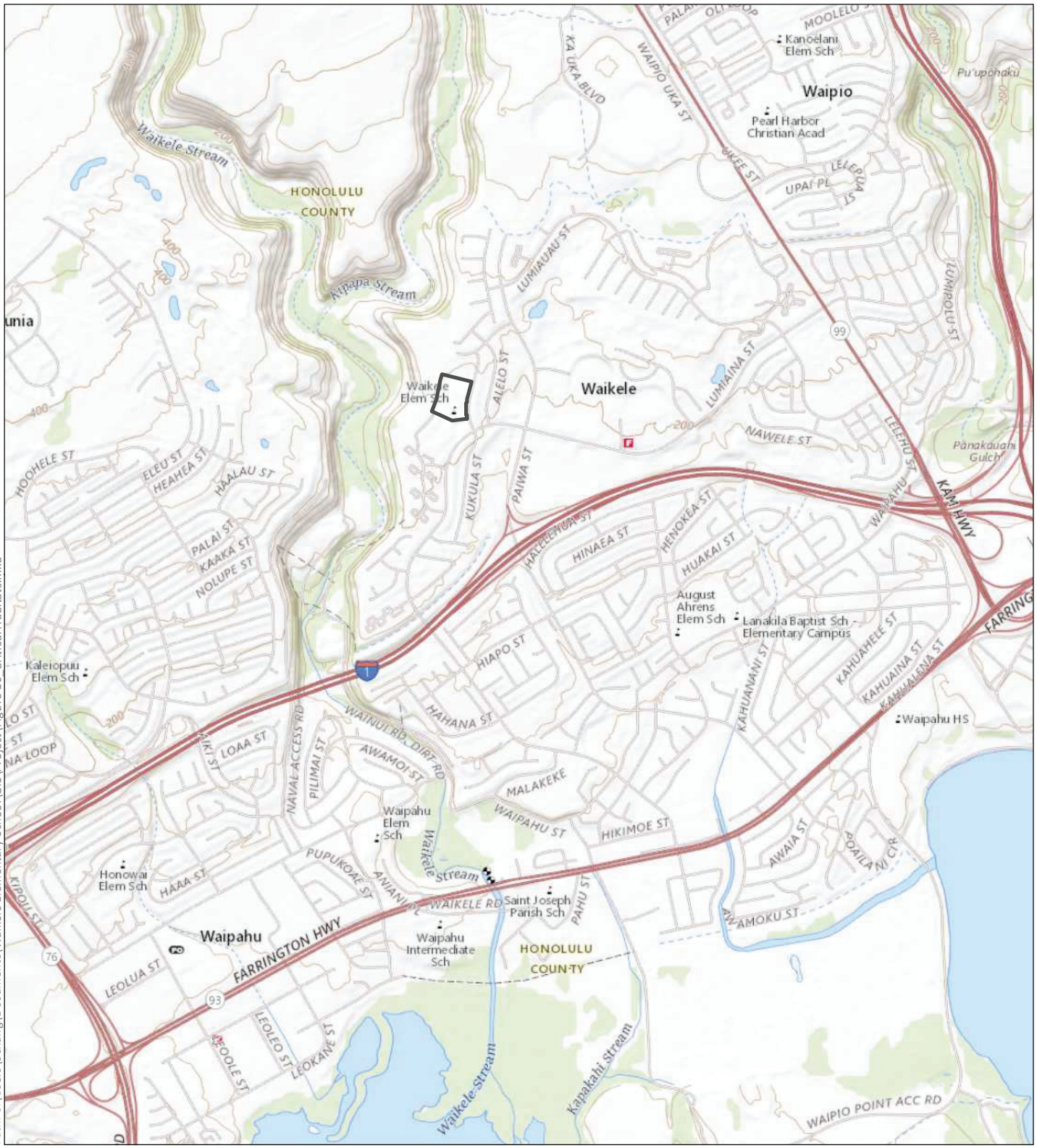
> "DOFAW recommends minimizing the movement of plant or soil material betweeen worksites, such as in fill. Soil and plant material may contain invasive fungal pathogens, vertebrate and invertebrate pests (e.g. Little Fire Ants, Coconut Rhinoceros Beetles), or invasive plant parts that could harm our native species and ecosystems. We recommend consulting the Oʻahu Invasive Species Committee at (808) 266-7994 in planning, design, and construction of the project to learn of any high-risk invasive species in the area and ways to mitigate spread. All equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of speading invasive species.
>
> DOFAW recommends using native plant species for landscaping that are appropriate for the area (i.e. climate conditions are suitable for the plants to thrive, historically occurred there, etc.). Please do not plant invasive species. DOFAW recommends consulting the Hawaiʻi-Pacific Weed Risk Assessment website to determine the potential invasiveness of plants proposed for use in the project (http://sites.google.com/site/weedriskassesssment/home). We recommend that you refer to www.plantpono.org for guidance on selection and evaluation for landscaping plants.
>
> The State listed Hawaiian Hoary Bat or ʻŌpeʻapeʻa (*Lasiurus cinereus semotus*) has the potential to occur in the vicinity of the project area and may roost in nearby trees. If any site clearing is required this should be timed to avoid disturbance during the bat birthing and pup rearing season (June 1 through September 15). If this cannot be avoided, woody plants greater than 15 feet (4.6 meters) tall should not be disturbed, removed, or trimmed without consulting DOFAW.

> We note that artificial lighting can adversely impact seabirds that may pass through the area at night by causing disoriention. This disorientation can result in collision with manmade artifacts or grounding of birds. For nighttime lighting that might be required, DOFAW recommends that all lights be fully shielded to minimize impacts. Nighttime work that requires outdoor lighting should be avoided during the seabird fledging season from September 15 through December 15. This is the period when young seabirds take their maiden voyage to the open sea. For illustrations and guidance related to seabird-friendly light styles that also protect the dark, starry skies of Hawai‘i please visit: https://dlrn.hawaii.gov/wildlife/files/2016/03/DOC439.pdf."

Potential Impacts and Mitigation Measures

The proposed Project will involve changes and/or improvements to existing paved and landscaped areas within the Project Site. The proposed Project will involve the redevelopment of the current site of the portable classroom buildings, which is not known to attract or provide a habitat for any state or federally listed species. In addition, the Project will not impact the Waikele Golf Course water hazards or the overgrown Waikele Gulch. Due to intense human utilization since Waikele Elementary School's construction in 1998, the proposed Project is not anticipated to have any impact on protected or endangered flora or faunal species. No mitigation measures are planned.

Some ground disturbance will be necessary for construction and new landscaping related to the new classroom building. Plant and soil movement will be minimized where possible for these activities and excess soil and debris will be removed from all equipment, materials, and personnel to avoid the risk of spreading invasive species. New landscaping for the project will incorporate native plant species where appropriate and practicable for the intended uses of the new classroom building as well as the surrounding climate conditions.



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DATE: 7/27/2020

LEGEND

- Waikele Elementary School
- Plant and Animal Critical Habitats (none shown in the vicinity)

Figure 10:
Critical Habitats

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

North Linear Scale (feet)

0 500 1,000 2,000

PBR HAWAII & ASSOCIATES, INC

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. U.S. Fish & Wildlife Service, 2019.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

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4.0 DESCRIPTION OF THE HUMAN ENVIRONMENT, POTENTIAL IMPACTS, AND MITIGATION MEASURES

This section describes the existing conditions of the human environment, potential impacts of the Waikele Elementary School new classroom building, and mitigation measures to minimize any impacts.

4.1 ARCHAEOLOGICAL AND CULTURAL RESOURCES

4.1.1 Archaeological Resources

The Waikele Elementary School campus was built in 1998 and has been in continuous use over the past 22 years. The campus underwent additional construction in the summer of 2018 to expand the cafeteria building, located on the makai edge of the campus. Prior to its current use, the location of the campus, as well as much of the surrounding land, was used for agricultural purposes, in particular for cultivating sugar cane, from the 1890s up until mid-1982. The 1996 Final EA for the Waikele Elementary School concluded that previous agricultural uses had destroyed any potential remains located within or near the campus and that development of the school posed no threat to archaeological or historic resources. The Project Site is located within the original site of the Waikele Elementary School campus and, as such, has been developed and in use by the school since 1998.

Potential Impacts and Mitigation Measures

Due to the relatively recent development of the Waikele Elementary School campus, including the Project Site, and the conclusions of the 1996 Final EA for the Waikele Elementary School, the DOE does not anticipate any adverse impact to archeological resources as a result of construction. Should the inadvertent discovery of significant cultural materials and/or burials occur during construction, all work in the immediate area of the find must cease and the State Historic Preservation Division be notified, as outlined in HAR 13 § 13-275-12. No further mitigation measures are planned.

4.1.2 Cultural Resources

This Draft EA utilized previous literature to determine the presence of any potential cultural resources either located within or impacted by disruption of the Project Site.

The most recent history of Waikele prior to being redeveloped into the residential communities and commercial and retail uses that exist today, includes extensive agricultural use. In the vicinity of the Project Site, the land was most likely used for sugar cane production, which reshaped the landscape of Waikele almost entirely in order to support agricultural uses. The 1986 Final Environmental Impact Statement (EIS) for the development of Waikele notes that previous literature did not identify uses for the land within Waikele prior to the start of agricultural production in the 1890s (Environmental Communications, Inc., 1986). Literature from the mid-twentieth century had noted the presence of remnants of small terraces for growing taro along Waikele Stream, located to the southwest of the Project Site near the H-1 Freeway. However,

the status of these terraces was unknown by the time of the 1986 Final EIS for Waikele, which noted that extensive construction activities since the time the literature was published likely resulted in their destruction. Field inspections conducted for the Waikele Final EIS also did not uncover any evidence of past utilization in the Waikele area, mauka of the H-1 Freeway, which includes the location of the Project Site.

More recent development of the Waikele Elementary School campus in 1998 did not uncover any cultural or historic resources within the Project Site. We are not aware of any cultural resources or practices that are occurring on the Project Site.

Potential Impacts and Mitigation Measures

As discussed in the previous section, the previous uses of the Project Site for agricultural activities prior to the construction of the Waikele Elementary School make the presence of cultural resources within the Project Site unlikely. The 1996 Final EA for the Waikele Elementary School did not identify significant cultural resources within the campus and subsequent development did not uncover cultural or historic resources. Previous literature did not identify the presence of any cultural activities connected to or affected by the location of Project Site. No mitigation measures are planned.

4.2 TRANSPORTATION

4.2.1 Roadways and Traffic

The key roadways providing access to or in the vicinity of the Site are described below.

Kukula Street is operated and maintained by the City and County of Honolulu and is a two-lane residential roadway along the east boundary of the Waikele Elementary School campus. Kukula Street provides access into and out of the campus from an entrance at the northeast corner of the campus and an exit at the southeast corner of the campus. Kukula Street is located mauka of the H-1 Freeway and has a posted speed limit of 25 miles per hour (mph) along the school frontage zone. The nearest bus stop in the vicinity of the school is located at the corner of Kukula Street and Lumiʻaina Street, less than a block makai of the campus.

Lumiʻaina Street is a four-lane, approximately two-mile long roadway between Kamehameha Highway to the east and Manager's Drive to the southwest, which crosses over the H-1 Freeway. Lumiʻaina Street intersects with Kukula Street makai of the Waikele Elementary School campus and provides east-west access throughout Waikele as well as connections to other areas of Waipahu, makai of the H-1 Freeway. The posted speed limit along Lumiʻaina Street is 25 mph. Kukula Street is accessible from Lumiʻaina Street from a unsignalized intersection that includes a separate right-turn lane from the west-bound direction and marked pedestrian crosswalks along the north (Kukula Street) and west (Lumiʻaina Street) legs of the intersection. Bus stops are located at multiple locations along Lumiʻaina Street, including the intersection of Lumiʻaina and Kukula Streets, which has the closest bus stops to the Waikele Elementary School.

Potential Impacts and Mitigation Measures

The proposed Project at Waikele Elementary School is intended to serve the existing student population through replacement of temporary portable facilities with a permanent structure for new classroom spaces and support facilities. Thus, the Project is not expected to result in an increase in student enrollment and is not expected to generate any new vehicle trips to the site. Accordingly, no significant impacts are projected along Kukula Street or along other roadways in the vicinity of the Waikele Elementary School campus.

During the pre-assessment consultation process, the City and County of Honolulu Department of Facility Maintenance (DFM) commented (see letter in Appendix A):

> "During construction and upon completion of the project; any damages/deficiencies to the roadways on Kukula Street shall be repaired to City standards and accepted by the City at no cost to the City and County of Honolulu."

During the pre-assessment consultation process, the City and County of Honolulu Police Department (HPD) also commented (see letter in Appendix A):

> "The Honolulu Police Department (HPD) anticipates short-term impacts to vehicular traffic around the project area. The HPD recommends that all necessary signs, lights, barricades, and other safety equipment be installed and maintained by the contractor during the construction phase of the project."

The Project will not require permanent rerouting or alteration of roadway traffic, but during construction it may occasionally be required to accommodate construction equipment. Construction activities may generate short-term traffic impacts to the motoring public, bicyclists, students, faculty, staff, and visitors to Waikele Elementary School mostly in the immediate vicinity of the campus on Kukula Street. Temporary construction access would likely be through the mauka parking lot located along Kukula Street. Traffic cones and other directional devices will be placed in the roadway to guide vehicles around work areas. The contractor will implement mitigation measures to provide access past work sites and to minimize the inconvenience to the community. These measures may include the following:

- Consideration of off-peak traffic hours (8:30 am to 3:30 pm) for the transfer of construction materials and equipment to and from the Project Site as well as avoidance school dismissal periods for these activities;
- Repair of any damages/deficiencies to City roadways (such as Kukula Street) during construction of the Project to City standards and at no cost to the City and County of Honolulu;
- Obtaining a street usage permit from the City and County of Honolulu Department of Transportation Services if any construction-related work requires the temporary closure of any traffic lane on a City street;
- BMP controls to prevent trailing of dirt and debris on adjacent roadways from the construction site;

- Posting flagmen for traffic control around work sites;
- Backfilling/covering all trenches at the end of the work day; and
- Posting safety devices and signs for the duration of construction.

During the pre-assessment consultation process, the State of Hawai‘i Department of Transportation (HDOT) commented (see letter in Appendix A):

> "Based on the information provided and the location of the school, HDOT does not anticipate the project would have any direct, indirect, construction or operational impact to HDOT highways. HDOT has no further comments at this time."

4.2.2 Parking

The Waikele Elementary School campus has three parking areas distributed along the north, east and south boundaries of the campus, consisting of 96 total parking stalls. The largest parking lot is located along the northeast boundary of the campus, adjacent to the Project Site, and used primarily for faculty and staff parking.

On-street parking is also available along Kukula Street. Sidewalks are present along both sides of Kukula Street, including the east boundary of the campus where the main entrance and exit are located.

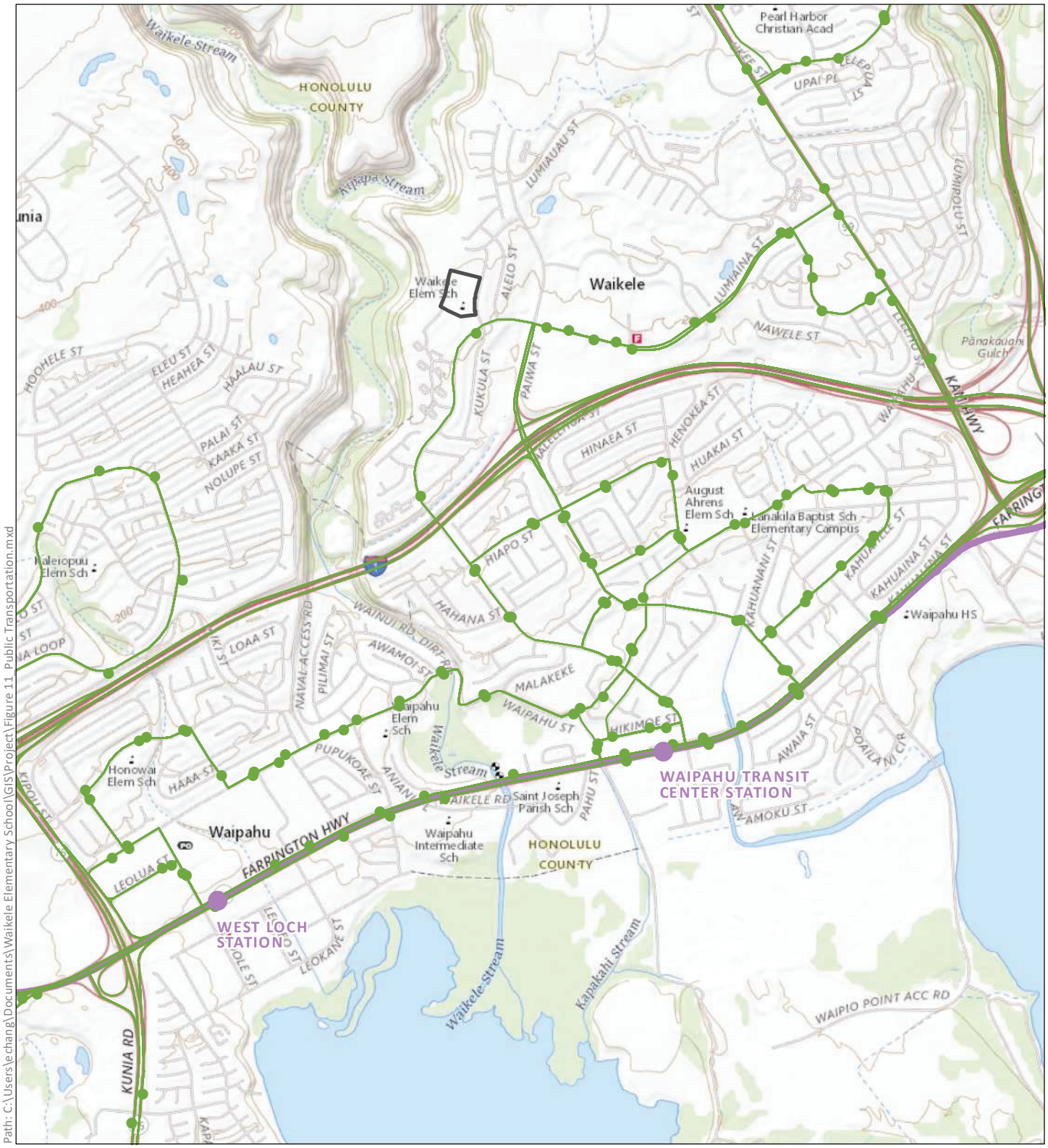
Potential Impacts and Mitigation Measures

The Project will not result in an increase to faculty, staff, student enrollment, or visitors to the campus and, therefore, will not have any long-term impacts on the availability of parking on the campus. However, short-term parking impacts may result from construction access or staging, particularly through the faculty and staff parking lot located adjacent to the Project Site. Prior to construction, parking areas and/or alternatives for faculty, staff, and visitors should be determined to minimize impacts to on-street parking along Kukula Street or adjacent streets in the vicinity of the campus.

4.2.3 Public Transportation

TheBus is the main public transportation service on the Island of O‘ahu, where it served over 69 million riders in the fiscal year of 2015-2016. A fleet of 542 buses transports over 216,000 riders a week via fixed-route, express, and paratransit service. In the vicinity of the Waikele Elementary School, Routes 99 and 103 provide service along Lumi‘aina Street with transit stops located less than a block makai from the campus.

Route 99 is a peak-hour route providing local stops between Kapolei and Wahiawa. Within Waikele, Route 99 provides stops along both sides of Lumi‘aina Street, connecting Manager’s Drive to Kamehameha Highway.



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DATE: 7/27/2020

LEGEND

- Waikele Elementary School
- Bus Stops
- Bus Routes
- Future Rail Station
- Future Rail Line

Figure 11:
Public Transportation

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education — O'ahu

North — Linear Scale (feet): 0 500 1,000 2,000

PBR HAWAII & ASSOCIATES, INC

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. City & County of Honolulu, 2019.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

Route 103 is a peak-hour route providing express service between Waikele and Downtown Honolulu via the H-1 Freeway and local stops in Waikele/Waipahu as well as Downtown Honolulu. In the vicinity of the Waikele Elementary School, Route 103 runs west to east along Lumiʻaina Street toward Kamehameha Highway, which includes a stop at the intersection of Lumiʻaina and Kukula Streets, makai of the Waikele Elementary School campus.

Potential Impacts and Mitigation Measures

In the long-term, no change in student population is anticipated as a result of the Project; as such, DOE anticipates no increase in public transit demand. No significant impacts to public transportation services are anticipated. No further mitigation measures are planned.

4.2.4 Bicycle and Pedestrian Facilities

Bicycle facilities generally consist of four types of facilities: bike/multi-use paths; bike lanes; bike routes or signed shared roadways ("sharrows"); and separated bikeways or cycle tracks. No separate bicycle facilities are provided on Kukula Street. A multi-use path is present along Lumiʻaina Street to the east of the Waikele Elementary School campus, from the intersection of Lumiʻaina and Paiwa Streets to the intersection of Lumiʻaina and Lumiʻauʻau Streets. A multi-use path is also present along Paiwa Street, which runs parallel to Kukula Street. According to the 2019 Oʻahu Bike Plan Update, a bike lane is proposed along Lumiʻaina Street, starting from the intersection of Paiwa Street and extending west along Lumiʻaina Street. In addition, bike facilities including buffered bike lanes and normal bike lanes are planned in other areas throughout Waikele (Department of Transportation Services, 2019).

Pedestrian facilities generally consist of sidewalks, crosswalks, and pedestrian signals at signalized intersections. Within the vicinity of Waikele Elementary School, paved sidewalks are provided along the immediate school frontage areas on Kukula Street. Sidewalks are provided on both sides Lumiʻaina Street and on many of the local roads throughout the surrounding neighborhood. Marked crosswalks are provided on the north and west legs of the intersection of Kukula Street and Lumiʻaina Street. No crosswalk is provided along on the east and south legs of the intersection.

Potential Impacts and Mitigation Measures

The Proposed Project is not increasing enrollment or altering current traffic patterns on site that would impact the pedestrian or bike circulation along public right-of-ways. Long-term campus vehicle and pedestrian circulation will remain unchanged from existing conditions due to no change in enrollment. Students on bicycles are expected to continue to access the campus from the adjacent neighborhoods. As the proposed Project will not present any negative long-term impacts to area, bicycle and pedestrian facilities, no mitigation measures are required

4.3 NOISE

Existing noise levels at and immediately adjacent to the proposed Site are those typical of an elementary school campus and residential community. The Project Site is bordered on the mauka side by a vacant lot and on the makai side by adjacent buildings part of the Waikele Elementary School campus. Surrounding uses are primarily single-family residences and a portion of the

Waikele Country Club, which buffer excess noise from commercial and retail centers located further east of the campus.

Potential Impacts and Mitigation Measures

Construction activities for the Project will inevitably create temporary noise impacts. The building contractor may employ mitigation measures to minimize those temporary noise impacts including the use of mufflers and implementing construction curfew periods. Pursuant to Chapter 11-46, HAR, all project activities must comply with all community noise controls. Air conditioning (AC) units will be included to help mitigate noise impacts to existing classrooms.

Once in operation, the Project will generate noise consistent with classroom activity present at adjacent buildings. No mitigation measures are proposed as the noise generated as a result of the proposed Project represents no substantial change from current noise occurrences.

4.4 AIR QUALITY

The State's good air quality is largely a function of the predominant tradewinds blowing from the northeast. The typical tradewind pattern blows man-made and volcanic pollutants out from metro Honolulu toward the ocean. However, during non-tradewind periods, man-made and volcanic pollutants tend to accumulate on island impacting visibility ("vog").

Potential Impacts and Mitigation Measures

DOE recognizes the potential for impacts to air quality during construction. This could occur from additional traffic generated by construction vehicles, machinery, and dust generated during demolition of existing portable classrooms and excavation.

An effective dust control plan will be implemented as necessary. All construction activities will comply with the provisions of Title 11, Chapter 59, HAR related to Ambient Air Quality Standards and Section 11-60.1-33, HAR related to Fugitive Dust. Measures to control dust during various phases of construction include:

- Providing an adequate water source at the site prior to start-up construction activities;
- Irrigating the construction site during periods of drought or high winds;
- Landscaping and rapid covering of bare areas, including slopes, starting from the initial grading phase;
- Disturbing only the areas of construction that are in the immediate zone of construction to limit the amount of time that the areas will be subject to erosion;
- Providing adequate dust control measures during weekends, after hours, and before daily start-up of construction activities; and
- Installing silt screening in the areas of disturbance.

In the long-term, the proposed Project is not anticipated to have a long-term impact on air quality in the immediate vicinity. As the proposed Project will not present any long-term impacts to air quality, no mitigation measures are required

4.5 VISUAL RESOURCES

The proposed Project will be located mauka of the existing buildings on the Waikele Elementary School campus and built to a lower height than the adjacent two-story buildings on campus. The County's Central O'ahu Sustainable Communities Plan (COSCP) (2002) as well as the 2016 COSCP Proposed Revised Plan do not recognize any view planes encompassing the site that would require special consideration and accommodation.

Potential Impacts and Mitigation Measures

The congruence of the proposed construction's mass and height with those of the existing buildings at Waikele Elementary School will not induce adverse impacts to any recognized view planes. The nearest area with the potential to have view planes impacted by the Project is the existing vacant lot mauka of the Project Site. Because no adverse visual impacts are expected, no additional mitigation measures are proposed.

4.6 SOCIAL & ECONOMIC CHARACTERISTICS

According to the County's Central O'ahu Sustainable Communities Plan (COSCP) (2002):

> *"Central Oahu plays a key role in implementing the directed growth policies of the* ***General Plan of the City and County of Honolulu****.*
>
> *"The towns of Waipahu and Wahiawa serve as gateways to Ewa and the North Shore. Historically, they have been headquarters for the sugar and pineapple plantations and support centers for the military. Beginning in 1968, Central Oahu also began to play a role as a major area for housing development. At that time, Castle & Cooke began development of Mililani Town, a 3,500 acre planned low-density suburban community which offered affordable single family housing to first time buyers. Subsequently, additional housing has been developed above Waipahu and the H-1 Freeway in Village Park, Gentry Waipio, Waikele, Royal Kunia, and other development projects.*
>
> *"In 1989, the Honolulu City Council approved changes to the* ***General Plan*** *which designated the urban fringe areas in Central Oahu as one of Oahu's principal residential development areas. Since then, Central Oahu, along with the Primary Urban Center (PUC) and the Secondary Urban Center and urban fringe areas in Ewa, has provided the bulk of the new housing developed on the island.*
>
> *"… In support of the* ***General Plan*** *policies, the Central Oahu Sustainable Communities Plan… Helps relieve urban development pressures on rural and urban fringe Sustainable Communities Plan Areas (Waianae, North Shore, Ko'olauloa, Ko'olaupoko, and East Honolulu) so as to preserve the 'country' lifestyle of the rural areas and sustain the stable, low density residential character of the urban fringe areas."*

The 2002 COSCP was based on the 2000 Census. According to the 2000 Census, the population of the City and County of Honolulu numbered 876,156 individuals. The population, number of housing units and number of non-construction jobs in Central Oʻahu (the primary districts being served by the Waikele Elementary School) in 2000 were as follows:

Table 2: Year 2000 Housing Units and Non-Construction Jobs

Sustainable Communities Plan/ Development Plan Area	2000 Population	Number of Housing Units in 2000	Number of Non-Construction Jobs in 2000
Central Oʻahu	148,208	45,878	44,356

Potential Impacts and Mitigation Measures

The 2002 COSCP is in the process of being updated to accommodate a planning horizon of the year 2035. The DPP has published a 2016 COSCP Proposed Revised Plan to their website, which is currently under review by the City Council as Bill 41 (19). The 2016 COSCP Revised Plan provides an overview of projections for the Central Oʻahu District to the year 2035.

Table 3: Year 2035 Housing Units and Non-Construction Jobs

Sustainable Communities Plan/ Development Plan Area	2035 Population	Number of Housing Units in 2035	Number of Non-Construction Jobs in 2035
Central Oʻahu	181,400	63,800	77,400

In the short-term, the Proposed Project will contribute positively to the construction industry and construction employment. In the long-term, the Proposed Project will enhance the capacity for future school teachers at Waikele Elementary School to provide quality education for students. Further, there will be positive impacts for students, families, and the community at large from access to better educational resources and job/workforce skills training. The Proposed Project will not directly generate new population to Waikele or Central Oʻahu, however, it is acknowledged that families are attracted to residential areas served by "good" public schools. As the Proposed Project is likely to have a positive impact on socio-economic conditions by enhancing "pathways" to Hawaiʻi's Career and Technical Education, no mitigation measures are required.

4.7 INFRASTRUCTURE AND UTILITIES

4.7.1 Water System

Waikele Elementary School is served by the BWS system. Water service is connected from an existing 16-inch water main in Kukula Street with an 8-inch combined fire and domestic waterline to an existing 8" x 2" FM meter. The 8" x 2" FM meter is within an Easement on the School property. There is an existing backflow preventer after the meter. Irrigation is also connected. The project may require a new fire hydrant which will be connected to existing 8-inch on site waterlines. Domestic water for the Portables will be disconnected and new water lateral with backflow preventer provided. Water pressures are governed by the BWS Waikele Reservoirs which has a spillway elevation of 395 feet mean sea level (msl).

Potential Impacts and Mitigation Measures

The Project's estimated water consumption is 17,640 gallons per day (GPD) based on BWS domestic consumption guidelines and other similar DOE projects. An estimated water usage of 500 GPD for irrigation demand is estimated based on similar projects.

The Project's potable water system will be designed in accordance to requirements of the BWS Water System Standards, dated 2002; the 2006 Uniform Plumbing Code; and the HAR, Title 3, Department of Accounting and General Services, Subtitle 14, State Building Code Council, Chapter 183-State Plumbing Code.

During the pre-assessment consultation period, the BWS wrote (refer to letter in Appendix A):

> "The existing water system is adequate to accommodate the proposed development. However, please be advised that this information is based upon current data, and therefore, the Board of Water Supply 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.
>
> When water is made available, the applicant will be required to pay our Water System Facilities Charges for resource development, transmission, and daily storage.
>
> Water conservation measures are required for all proposed developments. These measures include utilization of non-potable water for irrigation using rain catchment, drought tolerant plants, xeriscape landscaping, efficient irrigation systems, such as a drip system and moisture sensors, and the use of Water Sense labeled ultra-low flow water fixtures and toilets.
>
> The on-site fire protection requirements should be coordinated with the Fire Prevention Bureau of the Honolulu Fire Department. "

During the pre-assessment consultation period, the DLNR wrote (refer to letter in Appendix A):

> "The applicant should include water demands and infrastructure required to meet their project local needs. Please note that projects within State lands requiring water service from their local Department/Board of Water Supply system will be required to pay a resource development charge, in addition to Water Facilities Charges for transmission and daily storage.
>
> The applicant is required to provide water demands and calculations to the Engineering Division so it can be included in the State Water Projects Plan Update projections."

Close coordination will be maintained with the BWS to ensure that the water system will not be adversely impacted and to minimize interruption of water services to adjacent areas. During the design phase, the construction drawings will be submitted to the BWS for review and approval. Water demands and calculations will be provided to the DLNR Engineering Division for inclusion in the State Water Projects Plan Update projections.

When water is made available, DOE will pay the BWS Water System Facilities Charges for resource development, transmission and daily storage. BWS Cross-Connection Control and Backflow Prevention requirements will be fulfilled prior to the issuance of the building permit.

On-site fire protection requirements will be coordinated with the Fire Prevention Bureau of the Honolulu Fire Department.

4.7.2 Wastewater System

The Waikele Elementary School campus' existing on-site sewer system is composed of line sizes ranging between 6 inches and 8 inches. An existing 8 inch sewer line connects to the Municipal Sewer System in Kukula Street. Wastewater generated at Waikele Elementary School is conveyed by a series of gravity lines, pump stations, and force mains to the Honouliuli Wastewater Treatment Plant.

Potential Impacts and Mitigation Measures

Since the project will not result in an increase in the number of students and staff, there will be no increase in sanitary sewer flows. Wastewater service for the proposed Project will be connected to the existing on site wastewater collection system. The Project's sewer system will be designed in accordance to the requirements of the City and County of Honolulu Department of Environmental Services (ENV), Wastewater System Design Standard, dated July 2017; and the Wastewater System Standard Details, dated July 2017.

4.7.3 Drainage System

A network of drain inlets and pipes collects storm runoff from most of the campus and directs the storm runoff via 18- and 24-inch drain lines to the lower portion of the campus to daylight, sheetflow, and ultimately discharge into drainage system in Kukula Street.

Potential Impacts and Mitigation Measures

During the construction phase, a NPDES permit may be required for discharges of storm water associated with construction activities that disturb one (1) acre or more of total land area. The NPDES permit, if necessary, is to be applied for and approved by the State of Hawai‘i, Department of Health, Clean Water Branch, prior to commencement of construction activities.

Construction and permanent post-construction BMPs and LID measures will be designed, implemented, and maintained in compliance with the Administrative Rules, Title 20, Department of Planning and Permitting (DPP), Chapter 3 – Rules Relating to Water Quality, effective August 16, 2017. Onsite drainage system improvements will be designed in accordance to DPP's Storm Drainage Standards, dated August 2017. See also the discussion in Section 3.4 (Hydrology) above.

4.7.4 Electrical and Telecommunications Systems

Waikele Elementary School is served by the Hawaiian Electric Company (HECO) for electrical service, and is served by Hawaiian Telcom for telephone service and Spectrum (formerly Oceanic Time Warner Cable) for cable TV service. The DOE uses both Hawaiian Telcom and Spectrum for internet service.

Potential Impacts and Mitigation Measures

Power connection from HECO will be obtained to meet the electrical needs of the Project. Energy-saving features will be incorporated into its design where feasible.

During the pre-assessment consultation period, Spectrum provided the following comments related to the cable TV service at the Waikele Elementary School campus: "*The location of the proposed repairs will not have an effect on Spectrum's existing CATV plant in your work area. At this time, Spectrum utilize an underground infrastructure and in some cases we may share the underground infrastructure with Hawaiian Telcom's (HTCO). The sections of this project that is highlighted in your scope of work, may conflict with existing CATV facilities and have been marked in red on the enclosed set of plans.*"

The telecommunications distribution system will not be affected by the Project apart from the lines in the Project which will need to be connected to existing telecommunications infrastructure on the Waikele Elementary School campus. As the Proposed Project will not present any long-term impacts to electrical and telecommunications systems, no mitigation measures are required.

4.7.5 Solid Waste

Solid waste is currently collected regularly by the City and County of Honolulu.

Potential Impacts and Mitigation Measures

During the construction phase, solid waste generated at the site is anticipated to increase over current conditions. The additional waste is expected to include materials from construction, grading, and landscaping activities. Any construction waste generated by the Project will be disposed of at a solid waste disposal facility that complies with the applicable provisions (Chapter 11-58.1, HAR "Solid Waste Management Control"). Solid waste that cannot be recycled will be disposed of at landfills, the incinerator, or transfer stations. A waste-to-energy combustor, H-POWER (Honolulu Program of Waste Energy Recovery), is located at the Campbell Industrial Park and incinerates about 1,800 tons of combustible waste per day. The electricity generated is bought by HECO. Currently, the H-POWER facility receives all residential and commercial packer truck wastes on the island. Waste contractors will be asked to submit disposal receipts and invoices to ensure proper disposal of waste. The proposed Project will also comply with the provisions of Chapters 11-260 to 11-280, HAR, relating to hazardous waste.

In the long term, additional solid waste may be generated by the Project with use of additional support facilities. The amount of new solid waste can be accommodated by existing waste infrastructure. Solid waste disposal will be in accordance with the guidelines set forth by the ENV. In addition, using HI-CHPS standards as a general guideline, design elements may be considered to facilitate the separation and collection of materials for recycling.

4.8 PUBLIC SERVICES AND FACILITIES

4.8.1 Police Protection

The site is located within Honolulu Police Department (HPD) District 3, which covers the area from ʻAiea to Pearl City and Waipahu. Waikele Elementary School is located in Sector 1, which comprises Waipahu and Waikele. The nearest police station is the Pearl City District Station, located approximately 2.7 miles east of the Waikele Elementary School campus (Figure 12).

Potential Impacts and Mitigation Measures

During the pre-assessment consultation process, the Honolulu Police Department (HPD) commented (see letter in Appendix A):

> "The Honolulu Police Department (HPD) anticipates short-term impacts to vehicular traffic around the project area. The HPD recommends that all necessary signs, lights, barricades, and other safety equipment be installed and maintained by the contractor during the construction phase of the project."

The DOE does not anticipate that the Project will create an increased long-term demand on existing police protection services. As the proposed Project will not present any long-term impacts to police services, no mitigation measures are required.

4.8.2 Fire Protection

The Waikele Fire Station is the closest fire station to the Waikele Elementary School campus (Figure 12), located at the corner of Lumiʻaina Street and Lumiʻaina Place, approximately 0.43 miles east of Waikele Elementary School.

Potential Impacts and Mitigation Measures

As the Project is near to existing structures on an already developed parcel, and Waikele Elementary School has existing fire department connections and fire hydrants, the proposed Project is not anticipated to create an increased demand on existing fire protection services.

During the pre-assessment consultation process, the Honolulu Fire Department (HFD) wrote:

1. "Fire department access roads shall be provided such that any portion of the facility or any portion of an exterior wall of the first story of the building is located not more than 150 feet from fire department access roads as measured by an approved route around the exterior of the building or facility. (National Fire Protection Association [NFPA] 1; Uniform Fire Code [UFC]™, 2012 Edition, Sections 18.2.3.2.2 and 18.2.3.2.2.1.)"

   "A fire department access road shall extend to within 50 feet of at least one exterior door that can be opened from the outside that provides access to the interior of the building. (NFPA 1; UFC™, 2012 Edition, Section 18.2.3.2.1.)"

2. "A water supply approved by the county, capable of supplying the required fire flow for fire protection, shall be provided to all premises upon which facilities or buildings, or portions thereof, are hereafter constructed, or moved into or within the county. When any

portion of the facility or building is in excess of 150 feet from a water supply on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains capable of supplying the required fire flow shall be provided when required by the AHJ [Authority Having Jurisdiction]. (NFPA 1; UFC™, 2012 Edition, Section 18.3.1, as amended.)"

3. "The unobstructed width and unobstructed vertical clearance of a fire apparatus access road shall meet county requirements. (NFPA 1; UFC™, 2012 Edition, Section 18.2.3.4.1.1 and 18.2.3.4.1.2, as amended.)"

4. "Submit civil drawings to the HFD for review and approval." (Refer to letter in Appendix A.)

The proposed Project will comply with all NFPA requirements listed above. The HFD will continue to be consulted, as needed, throughout the planning and design process.

4.8.3 Health Care Services

Health care facilities located near Waikele Elementary School that provide emergency services include Queen's Medical Center West in ʻEwa and Kapiʻolani Pali Momi Medical Center in ʻAiea. A variety of health care providers can be found nearby in Waipahu and Pearl City (Figure 12).

Potential Impacts and Mitigation Measures

Although there may be an unavoidable and occasional need for emergency health care services by students or employees at the Waikele Elementary School, the Project will not cause an increase in the number of students, and is not expected to significantly increase the need for emergency service. Additionally, the Proposed Project is not expected to have a long-term adverse impact on emergency medical providers or their ability to service the community. No mitigation measures are proposed.

4.8.4 Recreational Facilities

Recreational facilities near the Waikele Elementary School campus include nearby facilities such as Waikele Community Park, Patsy T. Mink Central Oahu Regional Park, Waipahu Uka Neighborhood Park, the Waikele Country Club Golf Course, and the Mitsuo "Mits" Shito Waikele Neighborhood Park (Figure 12).

Potential Impacts and Mitigation Measures

The proposed Project is not anticipated to displace any existing recreational facilities or create any additional demand on recreational facilities in the vicinity of the Project. No mitigation measures are proposed.

4.8.5 Schools

Public and private schools located within a mile of the Waikele Elementary School campus include Kaleiopuʻu Elementary School, Hawaiʻi Technology Academy, August Ahrens Elementary School, Pearl Harbor Christian Academy, and Lanakila Baptist School (Figure 12).

Potential Impacts and Mitigation Measures

The Project will directly benefit the public school system by providing additional facilities and classrooms for students attending Waikele Elementary School. Currently, several classes are held in small, temporary portable structures. These temporary structures put strain on students and staff, as the 'portables' are generally unsuitable for supporting the student population long-term.

The Project will provide better classroom and support facilities that are currently held in the temporary portable structures, while not increasing student enrollment at Waikele Elementary School. The Proposed Project is likely to have a positive impact on enhancing "pathways" to Hawai'i's Career and Technical Education. Additionally, the Project will have no impact on enrollment or operations of other nearby public or private schools and no mitigation measures are proposed.

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DATE: 7/28/2020

LEGEND

- Waikele Elementary School
- Private Schools
- Public Schools
- Hospitals & Clinics
- Police Stations
- Fire Stations

Figure 12:
Public Services

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education — O'ahu

North — Linear Scale (feet): 0, 750, 1,500, 3,000

PBR HAWAII & ASSOCIATES, INC

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

5.0 LAND USE CONFORMANCE

State and County land use plans and policies and required permits and approvals relevant to the Project are described below.

5.1 STATE OF HAWAIʻI

5.1.1 State Land Use Law, Chapter 205, Hawaiʻi Revised Statutes

The State Land Use Law (Chapter 205, HRS), establishes the State Land Use Commission (LUC) and authorizes this body to designate all lands in the State into one of four districts: Urban, Rural, Agricultural, or Conservation. These districts are defined and mapped by the State Land Use Commission in order to ensure compatibility with neighboring land uses and protection of public health.

The proposed Project is located within the State Urban District; public schools are a permitted use in the State Land Use Urban District (Figure 13).

5.1.2 Coastal Zone Management Act, Chapter 205A, Hawaiʻi Revised Statutes

The Coastal Zone Management Area, as defined in Chapter 205A, HRS, includes all the lands of the State. Therefore, the proposed Project lies within the Coastal Zone Management Area.

The Coastal Zone Management (CZM) Program aims to provide recreational opportunities, protect historic resources, protect scenic and open space resources, protect coastal ecosystems, provide facilities for economic development, reduce hazards, and manage development. Program objectives and applicability to the proposed Project are discussed below:

Table 4: Coastal Zone Management Act, Chapter 205A, HRS

COASTAL ZONE MANAGEMENT ACT, CHAPTER 205A, HRS (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Recreational Resources			
Objective: *(A) Provide coastal recreational opportunities accessible to the public.*			
Policies:			
(A) Improve coordination and funding of coastal recreational planning and management; and			X
(B) Provide adequate, accessible, and diverse recreational opportunities in the coastal zone management area by:			
(i) Protecting coastal resources uniquely suited for recreational activities that cannot be provided in other areas;			X
(ii) Requiring replacement of coastal resources having significant recreational value including, but not limited to, surfing sites, fishponds, and sand beaches, when such resources will be unavoidably damaged			X

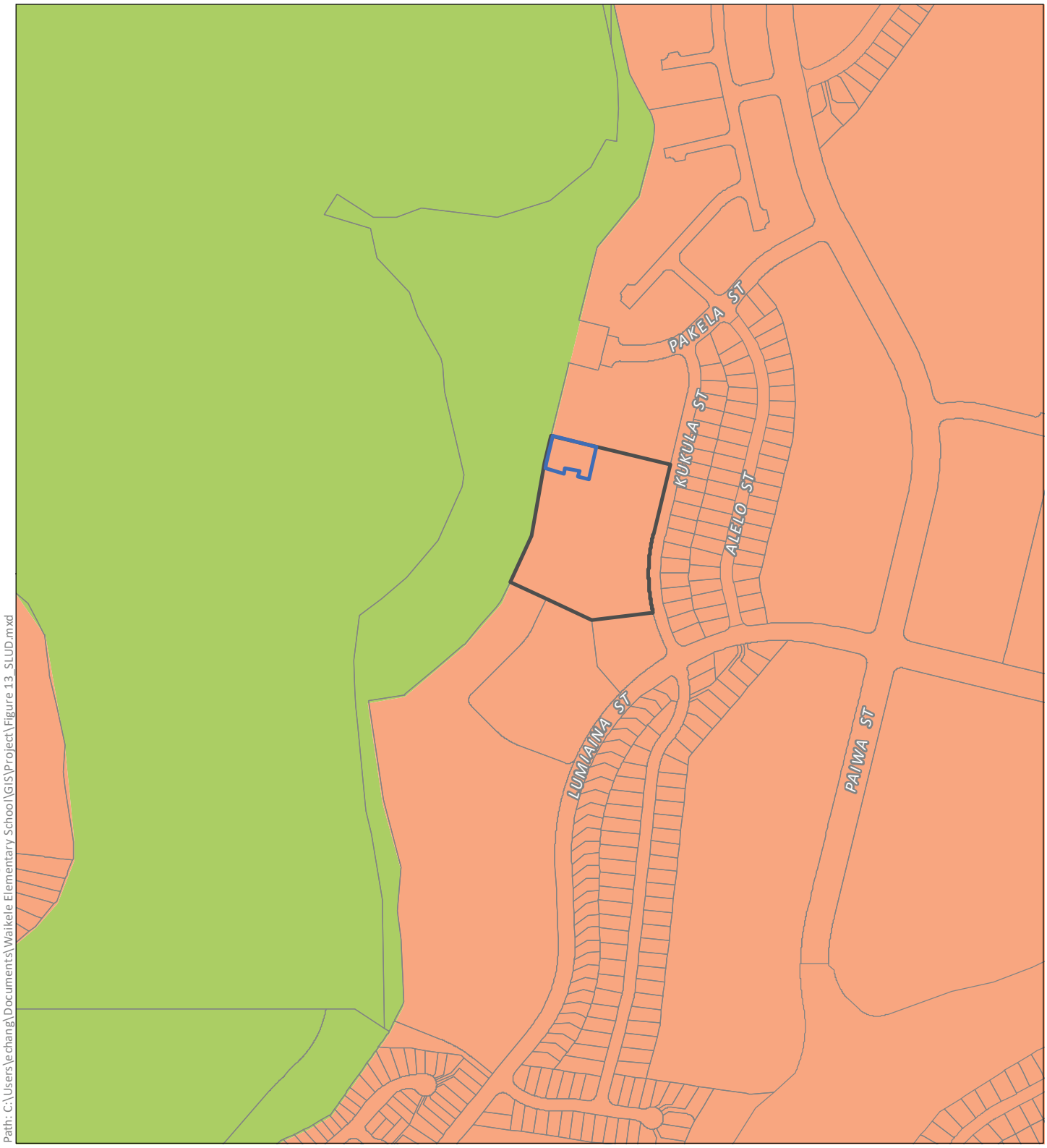
COASTAL ZONE MANAGEMENT ACT, CHAPTER 205A, HRS (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
by development; or requiring reasonable monetary compensation to the State for recreation when replacement is not feasible or desirable;			
(iii) Providing and managing adequate public access, consistent with conservation of natural resources, to and along shorelines with recreational value;			X
(iv) Providing an adequate supply of shoreline parks and other recreational facilities suitable for public recreation;			X
(v) Ensuring public recreational uses of county, state, and federally owned or controlled shoreline lands and waters having recreational value consistent with public safety standards and conservation of natural resources;			X
(vi) Adopting water quality standards and regulating point and nonpoint sources of pollution to protect, and where feasible, restore the recreational value of coastal waters;	X		
(vii) Developing new shoreline recreational opportunities, where appropriate, such as artificial lagoons, artificial beaches, and artificial reefs for surfing and fishing; and			X
(viii) Encouraging reasonable dedication of shoreline areas with recreational value for public use as part of discretionary approvals or permits by the land use commission, board of land and natural resources, and county authorities; and crediting such dedication against the requirements of section 46-6.			X
Discussion: The proposed Project is not a coastal development, is not located on the coastline, and is not in the SMA. Therefore, policies regarding shoreline recreation resources and shoreline public access are not applicable. The water quality standards are discussed under the Coastal Ecosystems objectives and policies.			
Historic Resources			
Objective: *(A) Protect, preserve, and, where desirable, restore those natural and manmade historic and prehistoric resources in the coastal zone management area that are significant in Hawaiian and American history and culture.*			
Policies:			
(A) Identify and analyze significant archaeological resources;	X		
(B) Maximize information retention through preservation of remains and artifacts or salvage operations; and			X
(C) Support state goals for protection, restoration, interpretation, and display of historic resources.	X		
Discussion: Due to the extensive disturbance that the Project Site has experienced during years of plantation agriculture and for development of the existing campus, it is unlikely that subsurface historic resources are present. Should any archaeological or cultural remains be encountered during construction, all work in the immediate vicinity			

COASTAL ZONE MANAGEMENT ACT, CHAPTER 205A, HRS (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
of the find will cease and the State Historic Preservation Division will be contacted for establishment of appropriate mitigation in accordance with Chapter 6E, Hawai‘i Revised Statutes.			
Scenic and Open Space Resources			
Objective: *(A) Protect, preserve, and, where desirable, restore or improve the quality of coastal scenic and open space resources.*			
Policies:			
(A) Identify valued scenic resources in the coastal zone management area;			X
(B) Ensure that new developments are compatible with their visual environment by designing and locating such developments to minimize the alteration of natural landforms and existing public views to and along the shoreline;	X		
(C) Preserve, maintain, and, where desirable, improve and restore shoreline open space and scenic resources; and			X
(D) Encourage those developments that are not coastal dependent to locate in inland areas.			X
Discussion: The Project is not coastal dependent, and is located on an already-developed parcel. The Project will be flush with existing buildings on the Waikele Elementary School campus, ensuring views to the shoreline are minimally impacted.			
Coastal Ecosystems			
Objective: *(A) Protect valuable coastal ecosystems, including reefs, from disruption and minimize adverse impacts on all coastal ecosystems.*			
Policies:			
(A) Exercise an overall conservation ethic, and practice stewardship in the protection, use, and development of marine and coastal resources;			X
(B) Improve the technical basis for natural resource management;			X
(C) Preserve valuable coastal ecosystems, including reefs, of significant biological or economic importance;			X
(D) Minimize disruption or degradation of coastal water ecosystems by effective regulation of stream diversions, channelization, and similar land and water uses, recognizing competing water needs; and			X
(E) Promote water quantity and quality planning and management practices that reflect the tolerance of fresh water and marine ecosystems and maintain and enhance water quality through the development and implementation of point and nonpoint source water pollution control measures.			X
Discussion: The Project will not directly impact coastal ecosystems as it is located approximately 1.6 miles from the nearest shoreline. BMPs will be implemented during construction to prevent erosion and stormwater runoff during the construction phase.			

COASTAL ZONE MANAGEMENT ACT, CHAPTER 205A, HRS (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Economic Uses			
Objective: *(A) Provide public or private facilities and improvements important to the State's economy in suitable locations.*			
Policies:			
(A) Concentrate coastal dependent development in appropriate areas;			X
(B) Ensure that coastal dependent development such as harbors and ports, and coastal related development such as visitor industry facilities and energy generating facilities, are located, designed, and constructed to minimize adverse social, visual, and environmental impacts in the coastal zone management area; and			X
(C) Direct the location and expansion of coastal dependent developments to areas presently designated and used for such developments and permit reasonable long-term growth at such areas, and permit coastal dependent development outside of presently designated areas when:			
(i) Use of presently designated locations is not feasible;			X
(ii) Adverse environmental effects are minimized; and			X
(iii) The development is important to the State's economy.			X
Discussion: The Proposed Project is not a coastal dependent development, is not located on the coastline, and is not in the SMA; therefore, these policies are not applicable.			
Coastal Hazards			
Objective: *(A) Reduce hazard to life and property from tsunami, storm waves, stream flooding, erosion, subsidence, and pollution.*			
Policies:			
(A) Develop and communicate adequate information about storm wave, tsunami, flood, erosion, subsidence, and point and nonpoint source pollution hazards;			X
(B) Control development in areas subject to storm wave, tsunami, flood, erosion, hurricane, wind, subsidence, and point and nonpoint source pollution hazards;			X
(C) Ensure that developments comply with requirements of the Federal Flood Insurance Program; and	X		
(D) Prevent coastal flooding from inland projects.	X		
Discussion: As the Project is located approximately 1.6 miles inland and not located in a flood or tsunami zone, the Project will not exacerbate coastal hazards.			

COASTAL ZONE MANAGEMENT ACT, CHAPTER 205A, HRS (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Managing Development			
Objective: *(A) Improve the development review process, communication, and public participation in the management of coastal resources and hazards.*			
Policies:			
(A) Use, implement, and enforce existing law effectively to the maximum extent possible in managing present and future coastal zone development;			X
(B) Facilitate timely processing of applications for development permits and resolve overlapping or conflicting permit requirements; and			X
(C) Communicate the potential short and long-term impacts of proposed significant coastal developments early in their life cycle and in terms understandable to the public to facilitate public participation in the planning and review process.	X		
Discussion: The Project is not a coastal development, is not located on the coastline, and is not in the SMA; however, opportunities for public input are provided. Early consultation comments were obtained and are reproduced in Appendix A. In addition, this EA discusses potential impacts and mitigation measures of the proposed Project and will provide an opportunity for input during the Draft EA Public Comment period.			
Public Participation			
Objective: *(A) Stimulate public awareness, education, and participation in coastal management.*			
Policies:			
(A) Promote public involvement in coastal zone management processes;	X		
(B) Disseminate information on coastal management issues by means of educational materials, published reports, staff contact, and public workshops for persons and organizations concerned with coastal issues, developments, and government activities; and			X
(C) Organize workshops, policy dialogues, and site-specific mediations to respond to coastal issues and conflicts.			X
Discussion: The Project is not a coastal development, is not located on the coastline, and is not in the SMA; however, opportunities for public input are provided. Early consultation comments were obtained and are reproduced in Appendix A. In addition, this EA discusses potential impacts and mitigation measures of the proposed Project and will provide an opportunity for input during the Draft EA Public Comment period.			
Beach Protection			
Objective: *(A) Protect beaches for public use and recreation.*			
Policies:			
(A) Locate new structures inland from the shoreline setback to conserve open space, minimize interference with natural shoreline processes, and minimize loss of improvements due to erosion;			X
(B) Prohibit construction of private erosion-protection structures seaward of the shoreline, except when they result in improved aesthetic and engineering solutions to erosion at the sites and do not interfere with existing recreational and waterline activities; and			X

COASTAL ZONE MANAGEMENT ACT, CHAPTER 205A, HRS (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(C) Minimize the construction of public erosion-protection structures seaward of the shoreline.			X
(D) Prohibit private property owners from creating a public nuisance by inducing or cultivating the private property owner's vegetation in a beach transit corridor; and			X
(E) Prohibit private property owners from creating a public nuisance by allowing the private property owner's unmaintained vegetation to interfere or encroach upon a beach transit corridor.			X
Discussion: The proposed Project has no relationship to beach protection or access.			
Marine Resources			
Objective: *(A) Promote the protection, use, and development of marine and coastal resources to assure their sustainability.*			
Policies:			
(A) Ensure that the use and development of marine and coastal resources are ecologically and environmentally sound and economically beneficial;			X
(B) Coordinate the management of marine and coastal resources and activities to improve effectiveness and efficiency;			X
(C) Assert and articulate the interests of the State as a partner with federal agencies in the sound management of ocean resources within the United States exclusive economic zone;			X
(D) Promote research, study, and understanding of ocean processes, marine life, and other ocean resources in order to acquire and inventory information necessary to understand how ocean development activities relate to and impact upon ocean and coastal resources; and			X
(E) Encourage research and development of new, innovative technologies for exploring, using, or protecting marine and coastal resources.			X
Discussion: The Project is located 1.6 miles from the closest shoreline and will not impact marine or coastal resources.			



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DATE: 7/27/2020

LEGEND

- Project Site
- Waikele Elementary School

State Land Use District

- Agriculture
- Urban

Figure 13:
State Land Use District (SLUD)

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education O'ahu

North Linear Scale (feet)

0 125 250 500

PBR HAWAII & ASSOCIATES, INC.

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. State Land Use Commission, 2016.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

5.1.3 Hawai‘i State Planning Act, Chapter 226, Hawai‘i Revised Statutes

The Hawai‘i State Plan, Chapter 226 HRS (2007) provides guidelines for the future growth of the State of Hawai‘i. The Hawai‘i State Plan identifies goals, objectives, policies, and priorities for allocating the State's resources, including public funds, services, human resources, land, energy, and water. The Plan was enacted to achieve “a desired physical environment, characterized by beauty, cleanliness, quiet, stable natural systems, and uniqueness, that enhances the mental and physical well-being of the people.” The following table outlines the proposed Project’s conformance with each theme, goal, objective, policy, and guideline of the Plan.

5.1.3.1 Hawai‘i State Plan, Part I: *Overall Theme, Goals, Objectives and Policies*

Table 5: Hawai‘i State Plan, Chapter 226, HRS – Part I

HAWAI‘I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES **(Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)**	**S**	**N/S**	**N/A**
HRS § 226-1: Findings and Purpose			
HRS § 226-2: Definitions			
HRS § 226-3: Overall Theme.			
Hawai‘i’s people, as both individuals and groups, generally accept and live by a number of principles or values which are an integral part of society. This concept is the unifying theme of the State Plan. The following principles or values are established as the overall theme of the Hawai‘i State Plan: (1) Individual and family self-sufficiency refers to the rights of people to maintain as much self-reliance as possible. It is an expression of the value of independence, in other words, being able to freely pursue personal interests and goals. Self-sufficiency means that individuals and families can express and maintain their own self-interest so long as that self-interest does not adversely affect the general welfare. Individual freedom and individual achievement are possible only by reason of other people in society, the institutions, arrangements and customs that they maintain, and the rights and responsibilities that they sanction. (2) Social and economic mobility refers to the right of individuals to choose and to have the opportunities for choice available to them. It is a corollary to self-sufficiency. Social and economic mobility means that opportunities and incentives are available for people to seek out their own levels of social and economic fulfillment. (3) Community or social well-being is a value that encompasses many things. In essence, it refers to healthy social, economic, and physical environments that benefit the community as a whole. A sense of social responsibility, of caring for others and for the well-being of our community and of participating in social and political life, are important aspects of this concept. It further implies the aloha spirit--attitudes of tolerance, respect, cooperation and unselfish giving, within which Hawai‘i’s society can progress. *One of the basic functions of our society is to enhance the ability of individuals and groups to pursue their goals freely, to satisfy basic needs and to secure desired socio-economic levels. The elements of choice and mobility within society’s legal framework are fundamental rights. Society’s role is to encourage conditions within which individuals and groups can approach their desired levels of self-reliance and self-determination. This enables people to gain confidence and self-esteem; citizens contribute more when they possess such qualities in a free and open society.*			

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Government promotes citizen freedom, self-reliance, self-determination, social and civic responsibility and goals achievement by keeping order, by increasing cooperation among many diverse individuals and groups, and by fostering social and civic responsibilities that affect the general welfare. The greater the number and activities of individuals and groups, the more complex government's role becomes. The function of government, however, is to assist citizens in attaining their goals. Government provides for meaningful participation by the people in decision-making and for effective access to authority as well as an equitable sharing of benefits. Citizens have a responsibility to work with their government to contribute to society's improvement. They must also conduct their activities within an agreed-upon legal system that protects human rights.			
Discussion: Education is a force that promotes self-sufficiency, social and economic mobility, and community well-being. By providing more and modern spaces for students of Waikele Elementary School, the Project is supportive of the State's principles for a free and prosperous society. Further, there will be positive impacts for students, families, and the community at large from access to better educational resources and job/workforce skills training. Moreover, the Proposed Project is likely to have a positive impact on socio-economic conditions by enhancing "pathways" to Hawaiʻi's Career and Technical Education.			
HRS § 226-4: State Goals.			
In order to guarantee, for the present and future generations, those elements of choice and mobility that insure that individuals and groups may approach their desired levels of self-reliance and self-determination, it shall be the goal of the State to achieve: (1) A strong, viable economy, characterized by stability, diversity and growth that enables fulfillment of the needs and expectations of Hawaiʻi's present and future generations. (2) A desired physical environment, characterized by beauty, cleanliness, quiet, stable natural systems, and uniqueness, that enhances the mental and physical well-being of the people. (3) Physical, social and economic well-being, for individuals and families in Hawaiʻi, that nourishes a sense of community responsibility, of caring and of participation in community life.			
Discussion: The Project will provide a better standard of education for current and future students of Waikele Elementary School. Education is a powerful force of socio-economic mobility and will support the State's goal of mental well-being and a stable, robust society for future generations.			
HRS § 226-5: Objectives and policies for population.			
(a) Objective: *It shall be the objective in planning for the State's population to guide population growth to be consistent with the achievement of physical, economic and social objectives contained in this chapter.*			
(b) Policies:			
(1) Manage population growth statewide in a manner that provides increased opportunities for Hawaiʻi's people to pursue their physical, social and economic aspirations while recognizing the unique needs of each county.			X
(2) Encourage an increase in economic activities and employment opportunities on the neighbor islands consistent with community needs and desires.			X
(3) Promote increased opportunities for Hawaiʻi's people to pursue their socio-economic aspirations throughout the islands.			X

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(4) Encourage research activities and public awareness programs to foster an understanding of Hawaiʻi's limited capacity to accommodate population needs and to address concerns resulting from an increase in Hawaiʻi's population.			X
(5) Encourage federal actions and coordination among major governmental agencies to promote a more balanced distribution of immigrants among the states, provided that such actions do not prevent the reunion of immediate family members.			X
(6) Pursue an increase in federal assistance for states with a greater proportion of foreign immigrants relative to their state's population.			X
(7) Plan the development and availability of land and water resources in a coordinated manner so as to provide for the desired levels of growth in each geographic area.	X		
Discussion: The Project is sited in an area where urban development for desired levels of growth was long planned (and since developed). The Project will also provide economic opportunity by granting educators, and thereby students, 21st-Century educational technologies, as well as enhancing "pathways" to Hawaiʻi's Career and Technical Education. Using the existing space within the Waikele Elementary School parcel for improved classroom facilities is an efficient use of land and existing infrastructure.			
HRS § 226-6: Objectives and policies for the economy in general.			
(a) Objectives: *Planning for the State's economy in general shall be directed toward achievement of the following objectives:*			
(1) Increased and diversified employment opportunities to achieve full employment, increased income and job choice, and improved living standards for Hawaiʻi's people, while at the same time stimulating the development and expansion of economic activities capitalizing on defense, dual-use, and science and technology assets, particularly on the neighbor islands where employment opportunities may be limited.			X
(2) A steadily growing and diversified economic base that is not overly dependent on a few industries, and includes the development and expansion of industries on the neighbor islands.			X
(b) Policies:			
(1) Promote and encourage entrepreneurship within Hawaiʻi by residents and nonresidents of the State.			X
(2) Expand Hawaiʻi's national and international marketing, communication, and organizational ties, to increase the State's capacity to adjust to and capitalize upon economic changes and opportunities occurring outside the State.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(3) Promote Hawai'i as an attractive market for environmentally and socially sound investment activities that benefit Hawai'i's people.			X
(4) Transform and maintain Hawai'i as a place that welcomes and facilitates innovative activity that may lead to commercial opportunities.			X
(5) Promote innovative activity that may pose initial risks, but ultimately contribute to the economy of Hawai'i.			X
(6) Seek broader outlets for new or expanded Hawai'i business investments.			X
(7) Expand existing markets and penetrate new markets for Hawai'i's products and services.			X
(8) Assure that the basic economic needs of Hawai'i's people are maintained in the event of disruptions in overseas transportation.			X
(9) Strive to achieve a level of construction activity responsive to, and consistent with, state growth objectives.			X
(10) Encourage the formation of cooperatives and other favorable marketing arrangements at the local or regional level to assist Hawai'i's small scale producers, manufacturers, and distributors.			X
(11) Encourage labor-intensive activities that are economically satisfying and which offer opportunities for upward mobility.			X
(12) Encourage innovative activities that may not be labor-intensive, but may otherwise contribute to the economy of Hawai'i.			X
(13) Foster greater cooperation and coordination between the government and private sectors in developing Hawai'i's employment and economic growth opportunities.			X
(14) Stimulate the development and expansion of economic activities which will benefit areas with substantial or expected employment problems.			X
(15) Maintain acceptable working conditions and standards for Hawai'i's workers.			X
(16) Provide equal employment opportunities for all segments of Hawai'i's population through affirmative action and nondiscrimination measures.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(17) Stimulate the development and expansion of economic activities capitalizing on defense, dual-use, and science and technology assets, particularly on the neighbor islands where employment opportunities may be limited.			X
(18) Encourage businesses that have favorable financial multiplier effects within Hawai'i's economy, particularly with respect to emerging industries in science and technology.			X
(19) Promote and protect intangible resources in Hawai'i, such as scenic beauty and the aloha spirit, which are vital to a healthy economy.			X
(20) Increase effective communication between the educational community and the private sector to develop relevant curricula and training programs to meet future employment needs in general, and requirements of new, potential growth industries in particular.			X
(21) Foster a business climate in Hawai'i--including attitudes, tax and regulatory policies, and financial and technical assistance programs--that is conducive to the expansion of existing enterprises and the creation and attraction of new business and industry.			X
Discussion: The proposed Project will not have a significant impact on the overall state economy. The Project will involve the replacement of existing temporary classroom facilities with permanent facilities to meet existing needs of students and faculty at Waikele Elementary School, as well as enhancing "pathways" to Hawai'i's Career and Technical Education.			
HRS § 226-7: Objectives and policies for the economy – agriculture			
(a) Objectives: *Planning for the State's economy with regard to agriculture shall be directed towards achievement of the following objectives:*			
• Viability of Hawai'i's sugar and pineapple industries.			X
• Growth and development of diversified agriculture throughout the State.			X
• An agriculture industry that continues to constitute a dynamic and essential component of Hawai'i's strategic, economic, and social well-being.			X
(b) Policies:			
(1) Establish a clear direction for Hawai'i's agriculture through stakeholder commitment and advocacy.			X
(2) Encourage agriculture by making best use of natural resources.			X
(3) Provide the governor and the legislature with information and options needed for prudent decision making for the development of agriculture.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(4) Establish strong relationships between the agricultural and visitor industries for mutual marketing benefits.			X
(5) Foster increased public awareness and understanding of the contributions and benefits of agriculture as a major sector of Hawai'i's economy.			X
(6) Seek the enactment and retention of federal and state legislation that benefits Hawai'i's agricultural industries.			X
(7) Strengthen diversified agriculture by developing an effective promotion, marketing, and distribution system between Hawai'i's food producers and consumers in the State, nation, and world.			X
(8) Support research and development activities that strengthen economic productivity in agriculture, stimulate greater efficiency, and enhance the development of new products and agricultural by-products.			X
(9) Enhance agricultural growth by providing public incentives and encouraging private initiatives.			X
(10) Assure the availability of agriculturally suitable lands with adequate water to accommodate present and future needs.			X
(11) Increase the attractiveness and opportunities for an agricultural education and livelihood.			X
(12) In addition to the State's priority on food, expand Hawai'i's agricultural base by promoting growth and development of flowers, tropical fruits and plants, livestock, feed grains, forestry, food crops, aquaculture, and other potential enterprises.			X
(13) Promote economically competitive activities that increase Hawai'i's agricultural self-sufficiency, including the increased purchase and use of Hawai'i-grown food and food products by residents, businesses, and governmental bodies as defined under section 103D-104.			X
(14) Promote and assist in the establishment of sound financial programs for diversified agriculture.			X
(15) Institute and support programs and activities to assist the entry of displaced agricultural workers into alternative agricultural or other employment.			X
(16) Facilitate the transition of agricultural lands in economically nonfeasible agricultural production to economically viable agricultural uses.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Discussion: The proposed Project will not impact the state's agricultural industry. The proposed Project will involve the replacement of existing temporary classroom facilities with permanent facilities to meet existing needs of students and faculty at Waikele Elementary School.			
HRS § 226-8: Objectives and policies for the economy – visitor industry			
(a) Objectives: *Planning for the State's economy with regard to the visitor industry shall be directed towards the achievement of the objective of a visitor industry that constitutes a major component of steady growth for Hawai'i's economy.*			
(b) Policies:			
(1) Support and assist in the promotion of Hawai'i's visitor attractions and facilities.			X
(2) Ensure that visitor industry activities are in keeping with the social, economic, and physical needs and aspirations of Hawai'i's people.			X
(3) Improve the quality of existing visitor destination areas by utilizing Hawai'i's strengths in science and technology.			X
(4) Encourage cooperation and coordination between the government and private sectors in developing and maintaining well-designed, adequately serviced visitor industry and related developments which are sensitive to neighboring communities and activities.			X
(5) Develop the industry in a manner that will continue to provide new job opportunities and steady employment for Hawai'i's people.			X
(6) Provide opportunities for Hawai'i's people to obtain job training and education that will allow for upward mobility within the visitor industry.			X
(7) Foster a recognition of the contribution of the visitor industry to Hawai'i's economy and the need to perpetuate the aloha spirit.			X
(8) Foster an understanding by visitors of the aloha spirit and of the unique and sensitive character of Hawai'i's cultures and values.			X
Discussion: While the proposed Project will improve educational facilities for students and faculty at the Waikele Elementary School, the improvement of these facilities will not directly impact the visitor industry.			
HRS § 226-9: Objective and policies for the economy – federal expenditures			
(a) Objective: *Planning for the State's economy with regard to federal expenditures shall be directed towards achievement of the objective of a stable federal investment base as an integral component of Hawai'i's economy.*			
(b) Policies:			
(1) Encourage the sustained flow of federal expenditures in Hawai'i that generates long-term government civilian employment.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(2) Promote Hawai'i's supportive role in national defense, in a manner consistent with Hawai'i's social, environmental, and cultural goals by building upon dual-use and defense applications to develop thriving ocean engineering, aerospace research and development, and related dual-use technology sectors in Hawai'i's economy.			X
(3) Promote the development of federally supported activities in Hawai'i that respect state-wide economic concerns, are sensitive to community needs, and minimize adverse impacts on Hawai'i's environment.			X
(4) Increase opportunities for entry and advancement of Hawai'i's people into federal government service.			X
(5) Promote federal use of local commodities, services, and facilities available in Hawai'i.			X
(6) Strengthen federal-state-county communication and coordination in all federal activities that affect Hawai'i.			X
(7) Pursue the return of federally controlled lands in Hawai'i that are not required for either the defense of the nation or for other purposes of national importance, and promote the mutually beneficial exchanges of land between federal agencies, the State, and the counties.			X
Discussion: The Project has no relation to the State's goals on federal expenditures.			
HRS § 226-10: Objectives and policies for the economy – potential growth and innovative activities.			
(a) Objective: *Planning for the State's economy with regard to potential growth and innovative activities shall be directed towards achievement of the objective of development and expansion of potential growth and innovative activities that serve to increase and diversify Hawai'i's economic base.*			
(b) Policies:			
(1) Facilitate investment and employment in economic activities that have the potential to expand and diversify Hawai'i's economy, including but not limited to diversified agriculture, aquaculture, renewable energy development, creative media, health care, and science and technology-based sectors.			X
(2) Facilitate investment in innovative activity that may pose risks or be less labor-intensive than other traditional business activity, but if successful, will generate revenue in Hawai'i through the export of services or products or substitution of imported services or products.			X
(3) Encourage entrepreneurship in innovative activity by academic researchers and instructors who may not have the background, skill, or initial inclination to commercially exploit their discoveries or achievements.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
(4) Recognize that innovative activity is not exclusively dependent upon individuals with advanced formal education, but that many self-taught, motivated individuals are able, willing, sufficiently knowledgeable, and equipped with the attitude necessary to undertake innovative activity.			X
(5) Increase the opportunities for investors in innovative activity and talent engaged in innovative activity to personally meet and interact at cultural, art, entertainment, culinary, athletic, or visitor-oriented events without a business focus.			X
(6) Expand Hawai'i's capacity to attract and service international programs and activities that generate employment for Hawai'i's people.			X
(7) Enhance and promote Hawai'i's role as a center for international relations, trade, finance, services, technology, education, culture, and the arts.			X
(8) Accelerate research and development of new energy- related industries based on wind, solar, ocean, and underground resources and solid waste.			X
(9) Promote Hawai'i's geographic, environmental, social, and technological advantages to attract new economic activities into the State.			X
(10) Provide public incentives and encourage private initiative to attract new industries that best support Hawai'i's social, economic, physical, and environmental objectives.			X
(11) Increase research and the development of ocean-related economic activities such as mining, food production, and scientific research.			X
(12) Develop, promote, and support research and educational and training programs that will enhance Hawai'i's ability to attract and develop economic activities of benefit to Hawai'i.			X
(13) Foster a broader public recognition and understanding of the potential benefits of new, or innovative growth-oriented industry in Hawai'i.			X
(14) Encourage the development and implementation of joint federal and state initiatives to attract federal programs and projects that will support Hawai'i's social, economic, physical, and environmental objectives.			X
(15) Increase research and development of businesses and services in the telecommunications and information industries.			X
(16) Foster the research and development of nonfossil fuel and energy efficient modes of transportation.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(17) Recognize and promote health care and health care information technology as growth industries.			X
Discussion: While the proposed Project will provide better educational facilities for both the faculty and students at the Waikele Elementary School, the new facilities will continue to support existing programs for elementary education, which are not at a scale to increase and diversify Hawai'i's economic base.			
HRS § 226-10.5: Objectives and policies for the economy – information industry			
(a) Objective: *Planning for the State's economy with regard to telecommunications and information technology shall be directed toward recognizing that broadband and wireless communication capability and infrastructure are foundations for an innovative economy and positioning Hawai'i as a leader in broadband and wireless communications and applications in the Pacific Region.*			
(b) Policies:			
(1) Promote efforts to attain the highest speeds of electronic and wireless communication within Hawai'i and between Hawai'i and the world, and make high speed communication available to all residents and businesses in Hawai'i.			X
(2) Encourage the continued development and expansion of the telecommunications infrastructure serving Hawai'i to accommodate future growth and innovation in Hawai'i's economy.			X
(3) Facilitate the development of new or innovative business and service ventures in the information industry which will provide employment opportunities for the people of Hawai'i.			X
(4) Encourage mainland- and foreign-based companies of all sizes, whether information technology-focused or not, to allow their principals, employees, or contractors to live in and work from Hawai'i, using technology to communicate with their headquarters, offices, or customers located out-of-state.			X
(5) Encourage greater cooperation between the public and private sectors in developing and maintaining a well-designed information industry.			X
(6) Ensure that the development of new businesses and services in the industry are in keeping with the social, economic, and physical needs and aspirations of Hawai'i's people.			X
(7) Provide opportunities for Hawai'i's people to obtain job training and education that will allow for upward mobility within the information industry.			X
(8) Foster a recognition of the contribution of the information industry to Hawai'i's economy.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(9) Assist in the promotion of Hawai'i as a broker, creator, and processor of information in the Pacific.			X
Discussion: While the proposed Project will provide better educational facilities for both the faculty and students at the Waikele Elementary School, the new facilities will continue to support existing programs for elementary education, which are not at a scale to increase and diversify Hawai'i's telecommunications and information technology.			
HRS § 226-11: Objectives and policies for the physical environment – land-based, shoreline, and marine resources.			
(a) Objectives: *Planning for the State's physical environment with regard to land-based, shoreline, and marine resources shall be directed towards achievement of the following objectives:*			
(1) Prudent use of Hawai'i's land-based, shoreline, and marine resources.	X		
(2) Effective protection of Hawai'i's unique and fragile environmental resources.			X
(b) Policies:			
(1) Exercise an overall conservation ethic in the use of Hawai'i's natural resources.			X
(2) Ensure compatibility between land-based and water-based activities and natural resources and ecological systems.			X
(3) Take into account the physical attributes of areas when planning and designing activities and facilities.			X
(4) Manage natural resources and environs to encourage their beneficial and multiple use without generating costly or irreparable environmental damage.			X
(5) Consider multiple uses in watershed areas, provided such uses do not detrimentally affect water quality and recharge functions.			X
(6) Encourage the protection of rare or endangered plant and animal species and habitats native to Hawai'i.			X
(7) Provide public incentives that encourage private actions to protect significant natural resources from degradation or unnecessary depletion.			X
(8) Pursue compatible relationships among activities, facilities, and natural resources.			X
(9) Promote increased accessibility and prudent use of inland and shoreline areas for public recreational, educational, and scientific purposes.	X		

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Discussion: By building within the existing footprint of the Waikele Elementary School campus, the Project furthers the State's goal of prudent land use and land conservation, for purposes such as educational. The Project uses the existing infrastructure of the Waikele Elementary School, removing the strain on available land and natural resources that would have occurred if the new facilities were constructed elsewhere.			
HRS § 226-12: Objective and policies for the physical environment – scenic, natural beauty, and historic resources.			
(a) Objective: *Planning for the State's physical environment shall be directed towards achievement of the objective of enhancement of Hawai'i's scenic assets, natural beauty, and multi-cultural/historical resources.*			
(b) Policies:			
(1) Promote the preservation and restoration of significant natural and historic resources.			X
(2) Provide incentives to maintain and enhance historic, cultural, and scenic amenities.			X
(3) Promote the preservation of views and vistas to enhance the visual and aesthetic enjoyment of mountains, ocean, scenic landscapes, and other natural features.			X
(4) Protect those special areas, structures, and elements that are an integral and functional part of Hawai'i's ethnic and cultural heritage.			X
(5) Encourage the design of developments and activities that complement the natural beauty of the islands.			X
Discussion: The Project has no relationship to the promotion and/or availability of scenic and historic resources in the State of Hawai'i, as it will be flush with existing structures on campus and previous literature and development indicates there will be no impact to cultural/archaeological/historic resources.			
HRS § 226-13: Objectives and policies for the physical environment – land, air, and water quality.			
(a) Objectives: *Planning for the State's physical environment with regard to land, air, and water quality shall be directed towards achievement of the following objectives:*			
(1) Maintenance and pursuit of improved quality in Hawai'i's land, air, and water resources.			X
(2) Greater public awareness and appreciation of Hawai'i's environmental resources.			X
(b) Policies:			
(1) Foster educational activities that promote a better understanding of Hawai'i's limited environmental resources.			X
(2) Promote the proper management of Hawai'i's land and water resources.	X		

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(3) Promote effective measures to achieve desired quality in Hawai'i's surface, ground, and coastal waters.			X
(4) Encourage actions to maintain or improve aural and air quality levels to enhance the health and well-being of Hawai'i's people.			X
(5) Reduce the threat to life and property from erosion, flooding, tsunamis, hurricanes, earthquakes, volcanic eruptions, and other natural or man-induced hazards and disasters.			X
(6) Encourage design and construction practices that enhance the physical qualities of Hawai'i's communities.			X
(7) Encourage urban developments in close proximity to existing services and facilities.	X		
(8) Foster recognition of the importance and value of the land, air, and water resources to Hawai'i's people, their cultures and visitors.			X
Discussion: More fully utilizing the existing Waikele Elementary School campus and infrastructure for the improved facilities follows the State's goal of encouraging development in proximity to existing services and facilities, while reducing impacts to land, air and water quality.			
HRS § 226-14: Objective and policies for facility systems – in general.			
(a) Objective: *Planning for the State's facility systems in general shall be directed towards achievement of the objective of water, transportation, waste disposal, and energy and telecommunication systems that support statewide social, economic, and physical objectives.*			
(b) Policies:			
(1) Accommodate the needs of Hawai'i's people through coordination of facility systems and capital improvement priorities in consonance with state and county plans.	X		
(2) Encourage flexibility in the design and development of facility systems to promote prudent use of resources and accommodate changing public demands and priorities.			X
(3) Ensure that required facility systems can be supported within resource capacities and at reasonable cost to the user.			X
(4) Pursue alternative methods of financing programs and projects and cost-saving techniques in the planning, construction, and maintenance of facility systems.			X
Discussion: By maintaining the parcel's "Urban" State Land Use Boundary designation and existing use as an Elementary School, the Project is in consonance with both State and County plans.			

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
HRS § 226-15: Objectives and policies for facility systems – solid and liquid wastes.			
(a) Objectives: *Planning for the State's facility systems with regard to solid and liquid wastes shall be directed towards the achievement of the following objectives:*			
(1) Maintenance of basic public health and sanitation standards relating to treatment and disposal of solid and liquid wastes.			X
(2) Provision of adequate sewerage facilities for physical and economic activities that alleviate problems in housing, employment, mobility, and other areas.			X
(b) Policies:			
(1) Encourage the adequate development of sewerage facilities that complement planned growth.			X
(2) Promote re-use and recycling to reduce solid and liquid wastes and employ a conservation ethic.			X
(3) Promote research to develop more efficient and economical treatment and disposal of solid and liquid wastes.			X
Discussion: The Project will utilize the same management of solid and liquid wastes as the rest of Waikele Elementary School.			
HRS § 226-16: Objective and policies for facility systems – water.			
(a) Objective: *Planning for the State's facility systems with regard to water shall be directed towards achievement of the objective of the provision of water to adequately accommodate domestic, agricultural, commercial, industrial, recreational, and other needs within resource capacities.*			
(b) Policies:			
(1) Coordinate development of land use activities with existing and potential water supply.	X		
(2) Support research and development of alternative methods to meet future water requirements well in advance of anticipated needs.			X
(3) Reclaim and encourage the productive use of runoff water and wastewater discharges.			X
(4) Assist in improving the quality, efficiency, service, and storage capabilities of water systems for domestic and agricultural use.			X
(5) Support water supply services to areas experiencing critical water problems.			X
(6) Promote water conservation programs and practices in government, private industry, and the general public to help ensure adequate water to meet long-term needs.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Discussion: The Project, being connected to the existing Waikele Elementary School campus, exists within the bounds of an existing municipal water system (Honolulu Board of Water Supply).			
HRS § 226-17: Objectives and policies for facility systems – transportation.			
(a) Objective: *Planning for the State's facility systems with regard to transportation shall be directed toward the achievement of the following objectives:*			
(1) An integrated multi-modal transportation system that services statewide needs and promotes the efficient, economical, safe, and convenient movement of people and goods.			X
(2) A statewide transportation system that is consistent with and will accommodate planned growth objectives throughout the State.			X
(b) Policies:			
(1) Design, program, and develop a multi-modal system in conformance with desired growth and physical development as stated in this chapter;			X
(2) Coordinate state, county, federal, and private transportation activities and programs toward the achievement of statewide objectives;			X
(3) Encourage a reasonable distribution of financial responsibilities for transportation among participating governmental and private parties;			X
(4) Provide for improved accessibility to shipping, docking, and storage facilities;			X
(5) Promote a reasonable level and variety of mass transportation services that adequately meet statewide and community needs;			X
(6) Encourage transportation systems that serve to accommodate present and future development needs of communities;			X
(7) Encourage a variety of carriers to offer increased opportunities and advantages to interisland movement of people and goods;			X
(8) Increase the capacities of airport and harbor systems and support facilities to effectively accommodate transshipment and storage needs;			X
(9) Encourage the development of transportation systems and programs which would assist statewide economic growth and diversification;			X
(10) Encourage the design and development of transportation systems sensitive to the needs of affected communities and the quality of Hawai'i's natural environment;			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(11) Encourage safe and convenient use of low-cost, energy-efficient, non-polluting means of transportation;			X
(12) Coordinate intergovernmental land use and transportation planning activities to ensure the timely delivery of supporting transportation infrastructure in order to accommodate planned growth objectives; and			X
(13) Encourage diversification of transportation modes and infrastructure to promote alternate fuels and energy efficiency.			X
Discussion: The Project has no relationship to the provision or facilitation of transportation.			
HRS § 226-18: Objectives and policies for facility systems – energy.			
(a) Objectives: *Planning for the State's facility systems with regard to energy shall be directed toward the achievement of the following objectives, giving due consideration to all:*			
(1) Dependable, efficient, and economical statewide energy systems capable of supporting the needs of the people;	X		
(2) Increased energy security and self-sufficiency through the reduction and ultimate elimination of Hawai'i's dependence on imported fuels for electrical generation and ground transportation;			X
(3) Greater diversification of energy generation in the face of threats to Hawai'i's energy supplies and systems;			X
(4) Reduction, avoidance, or sequestration of greenhouse gas emissions from energy supply and use; and			X
(5) Utility models that make the social and financial interests of Hawai'i's utility customers a priority.			X
(b) To achieve the energy objectives, it shall be the policy of this State to ensure the short- and long-term provision of adequate, reasonably priced, and dependable energy services to accommodate demand.			
(c) Other Policies:			
(1) Support research and development as well as promote the use of renewable energy sources;			X
(2) Ensure that the combination of energy supplies and energy-saving systems is sufficient to support the demands of growth;			X
(3) Base decisions of least-cost supply-side and demand-side energy resource options on a comparison of their total costs and benefits when a least-cost is determined by a reasonably comprehensive, quantitative, and qualitative accounting of their long-term, direct and indirect economic, environmental, social, cultural, and public health costs and benefits;			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(4) Promote all cost-effective conservation of power and fuel supplies through measures including:			
(A) Development of cost-effective demand-side management programs;			X
(B) Education;			X
(C) Adoption of energy-efficient practices and technologies; and			X
(D) Increasing energy efficiency and decreasing energy use in public infrastructure;			X
(5) Ensure, to the extent that new supply-side resources are needed, that the development or expansion of energy systems uses the least-cost energy supply option and maximizes efficient technologies;			X
(6) Support research, development, demonstration, and use of energy efficiency, load management, and other demand-side management programs, practices, and technologies;			X
(7) Promote alternate fuels and transportation energy efficiency;			X
(8) Support actions that reduce, avoid, or sequester greenhouse gases in utility, transportation, and industrial sector applications;			X
(9) Support actions that reduce, avoid, or sequester Hawai'i's greenhouse gas emissions through agriculture and forestry initiatives.			X
(10) Provide priority handling and processing for all state and county permits required for renewable energy projects;			X
(11) Ensure that liquefied natural gas is used only as a cost-effective transitional, limited-term replacement of petroleum for electricity generation and does not impede the development and use of other cost-effective renewable energy sources; and			X
(12) Promote the development of indigenous geothermal energy resources that are located on public trust land as an affordable and reliable source of firm power for Hawai'i.			X
Discussion: The proposed Project will replace existing energy use by the temporary facilities to a similar extent and, where feasible, will incorporate energy efficient fixtures to reduce overall energy consumption from the Project.			

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
HRS § 226-18.5: Objectives and policies for facility systems – telecommunications.			
(a) Objective: *Planning for the State's telecommunications facility systems shall be directed towards the achievement of dependable, efficient, and economical statewide telecommunications systems capable of supporting the needs of the people.*			
(b) To achieve the telecommunications objective, it shall be the policy of this State to ensure the provision of adequate, reasonably priced, and dependable telecommunications services to accommodate demand.			
(c) Other Policies:			
(1) Facilitate research and development of telecommunications systems and resources;			X
(2) Encourage public and private sector efforts to develop means for adequate, ongoing telecommunications planning;			X
(3) Promote efficient management and use of existing telecommunications systems and services; and			X
(4) Facilitate the development of education and training of telecommunications personnel.			X
Discussion: Telecommunication needs will be coordinated with the DOE's Office of Information Technology Services (OITS) and the school.			
HRS § 226-19: Objectives and policies for socio-cultural advancement – housing.			
(a) Objectives: *Planning for the State's socio-cultural advancement with regard to housing shall be directed toward the achievement of the following objectives:*			
(1) Greater opportunities for Hawaiʻi's people to secure reasonably priced, safe, sanitary, and livable homes, located in suitable environments that satisfactorily accommodate the needs and desires of families and individuals, through collaboration and cooperation between government and nonprofit and for-profit developers to ensure that more affordable housing is made available to very low-, low- and moderate-income segments of Hawaiʻi's population.			X
(2) The orderly development of residential areas sensitive to community needs and other land uses.			X
(3) The development and provision of affordable rental housing by the State to meet the housing needs of Hawaiʻi's people.			X
(b) Policies:			
(1) Effectively accommodate the housing needs of Hawaiʻi's people.			X
(2) Stimulate and promote feasible approaches that increase housing choices for low-income, moderate-income, and gap-group households.			X

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(3) Increase homeownership and rental opportunities and choices in terms of quality, location, cost, densities, style, and size of housing.			X
(4) Promote appropriate improvement, rehabilitation, and maintenance of existing housing units and residential areas.			X
(5) Promote design and location of housing developments taking into account the physical setting, accessibility to public facilities and services, and other concerns of existing communities and surrounding areas.			X
(6) Facilitate the use of available vacant, developable, and underutilized urban lands for housing.			X
(7) Foster a variety of lifestyles traditional to Hawaiʻi through the design and maintenance of neighborhoods that reflect the culture and values of the community.			X
(8) Promote research and development of methods to reduce the cost of housing construction in Hawaiʻi.			X
Discussion: The Project has no relationship to the availability of housing in the State of Hawaiʻi.			
HRS § 226-20: Objectives and policies for socio-cultural advancement – health			
(a) Objectives: *Planning for the State's socio-cultural advancement with regard to health shall be directed towards achievement of the following objectives:*			
(1) Fulfillment of basic individual health needs of the general public.			X
(2) Maintenance of sanitary and environmentally healthful conditions in Hawaiʻi's communities.	X		
(3) Elimination of health disparities by identifying and addressing social determinants of health.			X
(b) Policies:			
(1) Provide adequate and accessible services and facilities for prevention and treatment of physical and mental health problems, including substance abuse.			X
(2) Encourage improved cooperation among public and private sectors in the provision of health care to accommodate the total health needs of individuals throughout the State.			X
(3) Encourage public and private efforts to develop and promote statewide and local strategies to reduce health care and related insurance costs.			X

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(4) Foster an awareness of the need for personal health maintenance and preventive health care through education and other measures.			X
(5) Provide programs, services, and activities that ensure environmentally healthful and sanitary conditions.			X
(6) Improve the State's capabilities in preventing contamination by pesticides and other potentially hazardous substances through increased coordination, education, monitoring, and enforcement.			X
(7) Prioritize programs, services, interventions, and activities that address identified social determinants of health to improve native Hawaiian health and well-being consistent with the United States Congress' declaration of policy as codified in title 42 United States Code section 11702, and to reduce health disparities of disproportionately affected demographics, including native Hawaiians, other Pacific Islanders, and Filipinos. The prioritization of affected demographic groups other than native Hawaiians may be reviewed every ten years and revised based on the best available epidemiological and public health data.			X
Discussion: Certainly, the current health concerns surrounding COVID-19 will be addressed in the programming and design of the classrooms to promote safe physical distancing between students, teachers and staff in future pandemics.			
HRS § 226-21: Objective and policies for socio-cultural advancement – education.			
(a) Objectives: *Planning for the State's socio-cultural advancement with regard to education shall be directed towards achievement of the objective of the provision of a variety of educational opportunities to enable individuals to fulfill their needs, responsibilities, and aspirations.*			
(b) Policies:			
(1) Support educational programs and activities that enhance personal development, physical fitness, recreation, and cultural pursuits of all groups.	X		
(2) Ensure the provision of adequate and accessible educational services and facilities that are designed to meet individual and community needs.	X		
(3) Provide appropriate educational opportunities for groups with special needs.			X
(4) Promote educational programs which enhance understanding of Hawaiʻi's cultural heritage.			X
(5) Provide higher educational opportunities that enable Hawaiʻi's people to adapt to changing employment demands.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(6) Assist individuals, especially those experiencing critical employment problems or barriers, or undergoing employment transitions, by providing appropriate employment training programs and other related educational opportunities.			X
(7) Promote programs and activities that facilitate the acquisition of basic skills, such as reading, writing, computing, listening, speaking, and reasoning.	X		
(8) Emphasize quality educational programs in Hawai'i's institutions to promote academic excellence.	X		
(9) Support research programs and activities that enhance the education programs of the State.			X
Discussion: The Project will replace and improve Waikele Elementary School's existing facilities to support the advancement of the State of Hawai'i's goals for education in the realms of personal development, community facilities, computer and reading/writing education.			
HRS § 226-22: Objective and policies for socio-cultural advancement – social services.			
(a) Objective: *Planning for the State's socio-cultural advancement with regard to social services shall be directed towards the achievement of the objective of improved public and private social services and activities that enable individuals, families, and groups to become more self-reliant and confident to improve their well-being.*			
(b) Policies:			
(1) Assist individuals, especially those in need of attaining a minimally adequate standard of living and those confronted by social and economic hardship conditions, through social services and activities within the State's fiscal capacities.			X
(2) Promote coordination and integrative approaches among public and private agencies and programs to jointly address social problems that will enable individuals, families, and groups to deal effectively with social problems and to enhance their participation in society.			X
(3) Facilitate the adjustment of new residents, especially recently arrived immigrants, into Hawai'i's communities.			X
(4) Promote alternatives to institutional care in the provision of long-term care for elder and disabled populations.			X
(5) Support public and private efforts to prevent domestic abuse and child molestation, and assist victims of abuse and neglect.			X
(6) Promote programs which assist people in need of family planning services to enable them to meet their needs.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Discussion: The Project has no relation to the provision of social services by the State of Hawai'i.			
HRS § 226-23: Objective and policies for socio-cultural advancement – leisure.			
(a) Objective: *Planning for the State's socio-cultural advancement with regard to leisure shall be directed towards the achievement of the objective of the adequate provision of resources to accommodate diverse cultural, artistic, and recreational needs for present and future generations.*			
(b) Policies:			
(1) Foster and preserve Hawai'i's multi-cultural heritage through supportive cultural, artistic, recreational, and humanities-oriented programs and activities.			X
(2) Provide a wide range of activities and facilities to fulfill the cultural, artistic, and recreational needs of all diverse and special groups effectively and efficiently.			X
(3) Enhance the enjoyment of recreational experiences through safety and security measures, educational opportunities, and improved facility design and maintenance.			X
(4) Promote the recreational and educational potential of natural resources having scenic, open space, cultural, historical, geological, or biological values while ensuring that their inherent values are preserved.			X
(5) Ensure opportunities for everyone to use and enjoy Hawai'i's recreational resources.			X
(6) Assure the availability of sufficient resources to provide for future cultural, artistic, and recreational needs.			X
(7) Provide adequate and accessible physical fitness programs to promote the physical and mental well-being of Hawai'i's people.			X
(8) Increase opportunities for appreciation and participation in the creative arts, including the literary, theatrical, visual, musical, folk, and traditional art forms.			X
(9) Encourage the development of creative expression in the artistic disciplines to enable all segments of Hawai'i's population to participate in the creative arts.			X
(10) Assure adequate access to significant natural and cultural resources in public ownership.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Discussion: The Project has no direct relation to the provision of resources to accommodate diverse cultural, artistic, and recreational needs for present and future generations, aside from what may be provided through school curriculum.			
HRS § 226-24: Objective and policies for socio-cultural advancement – individual rights and personal well-being.			
(a) Objective: *Planning for the State's socio-cultural advancement with regard to individual rights and personal well-being shall be directed towards achievement of the objective of increased opportunities and protection of individual rights to enable individuals to fulfill their socio-economic needs and aspirations.*			
(b) Policies:			
(1) Provide effective services and activities that protect individuals from criminal acts and unfair practices and that alleviate the consequences of criminal acts in order to foster a safe and secure environment.			X
(2) Uphold and protect the national and state constitutional rights of every individual.	X		
(3) Assure access to, and availability of, legal assistance, consumer protection, and other public services which strive to attain social justice.			X
(4) Ensure equal opportunities for individual participation in society.	X		
Discussion: Public schools provide students with the social and intellectual capital vital to the expression of individual rights and personal well-being. By providing students with better resources, the State is empowering the next generation to fulfill their needs and aspirations, socio-economic and otherwise.			
HRS § 226-25: Objective and policies for socio-cultural advancement – culture.			
(a) Objective: *Planning for the State's socio-cultural advancement with regard to culture shall be directed toward the achievement of the objective of enhancement of cultural identities, traditions, values, customs, and arts of Hawai'i's people.*			
(b) Policies:			
(1) Foster increased knowledge and understanding of Hawai'i's ethnic and cultural heritages and the history of Hawai'i.			X
(2) Support activities and conditions that promote cultural values, customs, and arts that enrich the lifestyles of Hawai'i's people and which are sensitive and responsive to family and community needs.			X
(3) Encourage increased awareness of the effects of proposed public and private actions on the integrity and quality of cultural and community lifestyles in Hawai'i.			X
(4) Encourage the essence of the aloha spirit in people's daily activities to promote harmonious relationships among Hawai'i's people and visitors.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Discussion: The Project has no direct relation to the State's goals for the advancement of culture, aside from what may be provided through school curriculum.			
HRS § 226-26: Objectives and policies for socio-cultural advancement – public safety.			
Objectives: *Planning for the State's socio-cultural advancement with regard to public safety shall be directed towards the achievement of the following objectives:*			
(1) Assurance of public safety and adequate protection of life and property for all people.			X
(2) Optimum organizational readiness and capability in all phases of emergency management to maintain the strength, resources, and social and economic well-being of the community in the event of civil disruptions, wars, natural disasters, and other major disturbances.			X
(3) Promotion of a sense of community responsibility for the welfare and safety of Hawai'i's people.			X
(b) Policies related to public safety:			
(1) Ensure that public safety programs are effective and responsive to community needs.			X
(2) Encourage increased community awareness and participation in public safety programs.			X
(c) Policies related to criminal justice:			
(1) Support criminal justice programs aimed at preventing and curtailing criminal activities.			X
(2) Develop a coordinated, systematic approach to criminal justice administration among all criminal justice agencies.			X
(3) Provide a range of correctional resources which may include facilities and alternatives to traditional incarceration in order to address the varied security needs of the community and successfully reintegrate offenders into the community.			X
(d) Policies related to emergency management:			
(1) Ensure that responsible organizations are in a proper state of readiness to respond to major war-related, natural, or technological disasters and civil disturbances at all times.			X
(2) Enhance the coordination between emergency management programs throughout the State.			X

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART I. OVERALL THEME, GOALS, OBJECTIVES AND POLICIES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
Discussion: The Project has no direct relation to the State's goals for public safety, aside from what may be provided through school curriculum.			
HRS § 226-27: Objectives and policies for socio-cultural advancement – government.			
(a) Objectives: *Planning the State's socio-cultural advancement with regard to government shall be directed towards the achievement of the following objectives:*			
(1) Efficient, effective, and responsive government services at all levels in the State.			X
(2) Fiscal integrity, responsibility, and efficiency in the state government and county governments.			X
(b) Policies:			
(1) Provide for necessary public goods and services not assumed by the private sector.	X		
(2) Pursue an openness and responsiveness in government that permits the flow of public information, interaction, and response.			X
(3) Minimize the size of government to that necessary to be effective.			X
(4) Stimulate the responsibility in citizens to productively participate in government for a better Hawaiʻi.			X
(5) Assure that government attitudes, actions, and services are sensitive to community needs and concerns.	X		
(6) Provide for a balanced fiscal budget.			X
(7) Improve the fiscal budgeting and management system of the State.			X
(8) Promote the consolidation of state and county governmental functions to increase the effective and efficient delivery of government programs and services and to eliminate duplicative services wherever feasible.			X
Discussion: The Project will provide the public good that is an educated citizenry, and fulfills the goal of government responsiveness – specifically to the needs of the students and parents of Waikele Elementary School.			

5.1.3.2 Hawaiʻi State Plan, Part II: *Planning Coordination and Implementation*

Part II of the State Plan establishes a statewide planning system to coordinate and guide all major state and county activities and to implement the overall theme, goals, objectives, policies, and priority guidelines. The system implements the State Plan through the development of functional plans and county general plans. Functional plans, general plans, and the formulation, administration, and implementation of state programs must be in conformance with the State Plan.

- State Functional Plans

State Functional Plans (SFPs) set forth the policies, statewide guidelines, and priorities within a specific field of activity, when such activity or program is proposed, administered, or funded by any agency of the state. Functional plans are developed by the state agency primarily responsible for a given functional area, which include: Agriculture, Conservation Lands, Education, Employment, Energy, Health, Higher Education, Historic Preservation, Housing, Human Services, Recreation, Tourism, and Transportation. Functional plans must identify priority issues in the functional area and contain objectives, policies, and implementing actions to address those priority issues. Actions may include organizational or management initiatives, facility or physical infrastructure development initiatives, initiatives for programs and services, or legislative proposals. Functional plans are approved by the governor and serve as guidelines for funding and implementation by state and county agencies. In addition, functional plans shall be used to guide the allocation of resources for the implementation of state policies adopted by the legislature.

- State Education Functional Plan

The applicable functional plan is the *State Education Functional Plan* (SEFP 1989). Specific SEFP policies and goals applicable to the proposed Project are discussed below.

A(1): Academic Excellence

- **Policy:** Emphasize quality educational programs in Hawai‘i’s institutions to promote academic excellence. [Hawai‘i State Plan, §226-21(b)(8)]
- **Goal:** Provide the public schools with encouragement and support to reach a high level of effectiveness.

A(4): Services and Facilities

- **Policy:** Ensure the provision of adequate and accessible educational services and facilities that are designed to meet individual and community needs. [Hawai‘i State Plan, §226-21(b)(21)]
- **Goal:** Provide facilities that are sufficient in number, functional, well-paced [sic] and compatible with the physical surroundings.

B(3): Increased Use of Technology

- **Policy:** Increase and improve the use information technology in education and encourage programs which increase the public's awareness and understanding of the impact of information technologies on our lives. [Hawai‘i State Plan, §226-107(5)]
- **Goal:** Develop a plan to pinpoint, analyze and use technology to improve classroom instruction.

Discussion: The proposed Project is in accordance with the above policies and goals of the SEFP, as the construction of this new school facility, located on an existing elementary school site, will expand the availability of resources and classroom space for Waikele Elementary School’s student body, encouraging the development of quality educational programs through the facilities mentioned in Sections 2.1 and 2.3 of this environmental assessment.

Waikele Elementary is the only elementary school in Hawai‘i to fully integrate academy pathways into its school design. This design prepares students for college, careers and community with explorative learning experiences that spark and shape student passion.

The academy pathways include: arts and communication, health services, business, industrial and engineering technology, natural resources, and public and human services. Examples of the Waikele Elementary academy pathway classes include sewing, movie-making, nature art, basketball, nutrition, finance, STEM, coding, architecture, cooking, veterinary studies, and much more.

This intentional alignment to Hawai‘i’s Career and Technical Education (CTE) provides students with college and career-aligned learning experiences through elective courses typically reserved for secondary-level students. The classes offered are selected by students based on their own interests and aspirations. This unique, student-centered design, aligned to CTE career pathways/academies, also features multi-age classes, which provide equity and access to all students.

- County General Plan

As established in the Part II of the State Plan, a statewide planning system implements the State Plan through the development of SFPs and county general plans. The applicable county general plan is the City and County of Honolulu General Plan, which is discussed in Section 5.2.1 of this EA below.

5.1.3.3 Hawai‘i State Plan, Part III: *Priority Guidelines*

Table 6: Hawai‘i State Plan, Chapter 226, HRS – Part III

HAWAI‘I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
HRS § 226-101: Purpose. *The purpose of this part is to establish overall priority guidelines to address areas of statewide concern.*			
HRS § 226-102: Overall direction. *The State shall strive to improve the quality of life for Hawai‘i’s present and future present and future population through the pursuit of desirable courses of action in five major areas of statewide concern which merit priority attention: economic development, population growth and land resource management, affordable housing, crime and criminal justice, quality education, principles of sustainability, and climate change adaptation.*			
HRS § 226-103: Economic priority guidelines.			
(a) Priority guidelines to stimulate economic growth and encourage business expansion and development to provide needed jobs for Hawai‘i’s people and achieve a stable and diversified economy:			
(1) Seek a variety of means to increase the availability of investment capital for new and expanding enterprises.			X
(A) Encourage investments which:			
(i) Reflect long term commitments to the State;	X		
(ii) Rely on economic linkages within the local economy;			X

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
(iii) Diversify the economy;			X
(iv) Reinvest in the local economy;			X
(v) Are sensitive to community needs and priorities; and	X		
(vi) Demonstrate a commitment to provide management opportunities to Hawaiʻi residents; and			X
(B) Encourage investments in innovative activities that have a nexus to the State, such as:			
(i) Present or former residents acting as entrepreneurs or principals;			X
(ii) Academic support from an institution of higher education in Hawaiʻi;			X
(iii) Investment interest from Hawaiʻi residents;			X
(iv) Resources unique to Hawaiʻi that are required for innovative activity; and			X
(v) Complementary or supportive industries or government programs or projects.			X
(2) Encourage the expansion of technological research to assist industry development and support the development and commercialization of technological advancements.			X
(3) Improve the quality, accessibility, and range of services provided by government to business, including data and reference services and assistance in complying with governmental regulations.			X
(4) Seek to ensure that state business tax and labor laws and administrative policies are equitable, rational, and predictable.			X
(5) Streamline the processes for building and development permit and review and telecommunication infrastructure installation approval and eliminate or consolidate other burdensome or duplicative governmental requirements imposed on business, where scientific evidence indicates that public health, safety, and welfare would not be adversely affected.			X
(6) Encourage the formation of cooperatives and other favorable marketing or distribution arrangements at the regional or local level to assist Hawaiʻi's small-scale producers, manufacturers, and distributors.			X
(7) Continue to seek legislation to protect Hawaiʻi from transportation interruptions between Hawaiʻi and the continental United States.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
(8) Provide public incentives and encourage private initiative to develop and attract industries which promise long-term growth potentials and which have the following characteristics:			
(A) An industry that can take advantage of Hawai'i's unique location and available physical and human resources.			X
(B) A clean industry that would have minimal adverse effects on Hawai'i's environment.			X
(C) An industry that is willing to hire and train Hawai'i's people to meet the industry's labor needs at all levels of employment.			X
(D) An industry that would provide reasonable income and steady employment.			X
(9) Support and encourage, through educational and technical assistance programs and other means, expanded opportunities for employee ownership and participation in Hawai'i business.			X
(10) Enhance the quality of Hawai'i's labor force and develop and maintain career opportunities for Hawai'i's people through the following actions:			
(A) Expand vocational training in diversified agriculture, aquaculture, information industry, and other areas where growth is desired and feasible.			X
(B) Encourage more effective career counseling and guidance in high schools and post-secondary institutions to inform students of present and future career opportunities.			X
(C) Allocate educational resources to career areas where high employment is expected and where growth of new industries is desired.			X
(D) Promote career opportunities in all industries for Hawai'i's people by encouraging firms doing business in the State to hire residents.			X
(E) Promote greater public and private sector cooperation in determining industrial training needs and in developing relevant curricula and on-the-job training opportunities.			X
(F) Provide retraining programs and other support services to assist entry of displaced workers into alternative employment.			X
(b) Priority guidelines to promote the economic health and quality of the visitor industry:			

HAWAIʻI STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(1) Promote visitor satisfaction by fostering an environment which enhances the Aloha Spirit and minimizes inconveniences to Hawaiʻi's residents and visitors.			X
(2) Encourage the development and maintenance of well-designed, adequately serviced hotels and resort destination areas which are sensitive to neighboring communities and activities and which provide for adequate shoreline setbacks and beach access.			X
(3) Support appropriate capital improvements to enhance the quality of existing resort destination areas and provide incentives to encourage investment in upgrading, repair, and maintenance of visitor facilities.			X
(4) Encourage visitor industry practices and activities which respect, preserve, and enhance Hawaiʻi's significant natural, scenic, historic, and cultural resources.			X
(5) Develop and maintain career opportunities in the visitor industry for Hawaiʻi's people, with emphasis on managerial positions.			X
(6) Support and coordinate tourism promotion abroad to enhance Hawaiʻi's share of existing and potential visitor markets.			X
(7) Maintain and encourage a more favorable resort investment climate consistent with the objectives of this chapter.			X
(8) Support law enforcement activities that provide a safer environment for both visitors and residents alike.			X
(9) Coordinate visitor industry activities and promotions to business visitors through the state network of advanced data communication techniques.			X
(c) Priority guidelines to promote the continued viability of the sugar and pineapple industries:			
(1) Provide adequate agricultural lands to support the economic viability of the sugar and pineapple industries.			X
(2) Continue efforts to maintain federal support to provide stable sugar prices high enough to allow profitable operations in Hawaiʻi.			X
(3) Support research and development, as appropriate, to improve the quality and production of sugar and pineapple crops.			X
(d) Priority guidelines to promote the growth and development of diversified agriculture and aquaculture:			

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(1) Identify, conserve, and protect agricultural and aquacultural lands of importance and initiate affirmative and comprehensive programs to promote economically productive agricultural and aquacultural uses of such lands.			X
(2) Assist in providing adequate, reasonably priced water for agricultural activities.			X
(3) Encourage public and private investment to increase water supply and to improve transmission, storage, and irrigation facilities in support of diversified agriculture and aquaculture.			X
(4) Assist in the formation and operation of production and marketing associations and cooperatives to reduce production and marketing costs.			X
(5) Encourage and assist with the development of a waterborne and airborne freight and cargo system capable of meeting the needs of Hawai'i's agricultural community.			X
(6) Seek favorable freight rates for Hawai'i's agricultural products from interisland and overseas transportation operators.			X
(7) Encourage the development and expansion of agricultural and aquacultural activities which offer long-term economic growth potential and employment opportunities.			X
(8) Continue the development of agricultural parks and other programs to assist small independent farmers in securing agricultural lands and loans.			X
(9) Require agricultural uses in agricultural subdivisions and closely monitor the uses in these subdivisions.			X
(10) Support the continuation of land currently in use for diversified agriculture.			X
(11) Encourage residents and visitors to support Hawai'i's farmers by purchasing locally grown food and food products.			X
(e) Priority guidelines for water use and development:			
(1) Maintain and improve water conservation programs to reduce the overall water consumption rate.			X
(2) Encourage the improvement of irrigation technology and promote the use of nonpotable water for agricultural and landscaping purposes.			X
(3) Increase the support for research and development of economically feasible alternative water sources.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
(4) Explore alternative funding sources and approaches to support future water development programs and water system improvements.			X
(f) Priority guidelines for energy use and development:			
(1) Encourage the development, demonstration, and commercialization of renewable energy sources.			X
(2) Initiate, maintain, and improve energy conservation programs aimed at reducing energy waste and increasing public awareness of the need to conserve energy.			X
(3) Provide incentives to encourage the use of energy conserving technology in residential, industrial, and other buildings.			X
(4) Encourage the development and use of energy conserving and cost-efficient transportation systems.			X
(g) Priority guidelines to promote the development of the information industry:			
(1) Establish an information network, with an emphasis on broadband and wireless infrastructure and capability, that will serve as the foundation of and catalyst for overall economic growth and diversification in Hawai'i.			X
(2) Encourage the development of services such as financial data processing, a products and services exchange, foreign language translations, telemarketing, teleconferencing, a twenty-four-hour international stock exchange, international banking, and a Pacific Rim management center.			X
(3) Encourage the development of small businesses in the information field such as software development, the development of new information systems, peripherals, and applications; data conversion and data entry services; and home or cottage services such as computer programming, secretarial, and accounting services.			X
(4) Encourage the development or expansion of educational and training opportunities for residents in the information and telecommunications fields.	X		
(5) Encourage research activities, including legal research in the information and telecommunications fields.			X
(6) Support promotional activities to market Hawai'i's information industry services.			X
(7) Encourage the location or co-location of telecommunication or wireless information relay facilities in the community, including public areas, where			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
scientific evidence indicates that the public health, safety, and welfare would not be adversely affected.			
Discussion: Waikele Elementary is the only elementary school in Hawai'i to fully integrate academy pathways into its school design. This design prepares students for college, careers and community with explorative learning experiences that spark and shape student passion. The academy pathways include: arts and communication, health services, business, industrial and engineering technology, natural resources, and public and human services. Examples of the Waikele Elementary academy pathway classes include sewing, movie-making, nature art, basketball, nutrition, finance, STEM, coding, architecture, cooking, veterinary studies, and much more. This intentional alignment to Hawai'i's Career and Technical Education (CTE) provides students with college and career-aligned learning experiences through elective courses typically reserved for secondary-level students. The classes offered are selected by students based on their own interests and aspirations. This unique, student-centered design, aligned to CTE career pathways/academies, also features multi-age classes, which provide equity and access to all students. The proposed Project will facilitate the development of these academy pathways.			
HRS § 226-104: Population growth and land resources priority guidelines.			
(a) Priority guidelines to effect desired statewide growth and distribution:			
(1) Encourage planning and resource management to insure that population growth rates throughout the State are consistent with available and planned resource capacities and reflect the needs and desires of Hawai'i's people.			X
(2) Manage a growth rate for Hawai'i's economy that will parallel future employment needs for Hawai'i's people.			X
(3) Ensure that adequate support services and facilities are provided to accommodate the desired distribution of future growth throughout the State.	X		
(4) Encourage major state and federal investments and services to promote economic development and private investment to the neighbor islands, as appropriate.			X
(5) Explore the possibility of making available urban land, low-interest loans, and housing subsidies to encourage the provision of housing to support selective economic and population growth on the neighbor islands.			X
(6) Seek federal funds and other funding sources outside the State for research, program development, and training to provide future employment opportunities on the neighbor islands.			X
(7) Support the development of high technology parks on the neighbor islands.			X
(b) Priority guidelines for regional growth distribution and land resource utilization:			
(1) Encourage urban growth primarily to existing urban areas where adequate public facilities are already available or can be provided with reasonable public expenditures, and away from areas where other important benefits are	X		

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
present, such as protection of important agricultural land or preservation of lifestyles.			
(2) Make available marginal or nonessential agricultural lands for appropriate urban uses while maintaining agricultural lands of importance in the agricultural district.			X
(3) Restrict development when drafting of water would result in exceeding the sustainable yield or in significantly diminishing the recharge capacity of any groundwater area.			X
(4) Encourage restriction of new urban development in areas where water is insufficient from any source for both agricultural and domestic use.			X
(5) In order to preserve green belts, give priority to state capital-improvement funds which encourage location of urban development within existing urban areas except where compelling public interest dictates development of a noncontiguous new urban core.	X		
(6) Seek participation from the private sector for the cost of building infrastructure and utilities, and maintaining open spaces.			X
(7) Pursue rehabilitation of appropriate urban areas.			X
(8) Support the redevelopment of Kaka'ako into a viable residential, industrial, and commercial community.			X
(9) Direct future urban development away from critical environmental areas or impose mitigating measures so that negative impacts on the environment would be minimized.	X		
(10) Identify critical environmental areas in Hawai'i to include but not be limited to the following: watershed and recharge areas; wildlife habitats (on land and in the ocean); areas with endangered species of plants and wildlife; natural streams and water bodies; scenic and recreational shoreline resources; open space and natural areas; historic and cultural sites; areas particularly sensitive to reduction in water and air quality; and scenic resources.			X
(11) Identify all areas where priority should be given to preserving rural character and lifestyle.			X
(12) Utilize Hawai'i's limited land resources wisely, providing adequate land to accommodate projected population and economic growth needs while ensuring the protection of the environment and the availability of the shoreline, conservation lands, and other limited resources for future generations.	X		

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(13) Protect and enhance Hawai'i's shoreline, open spaces, and scenic resources.			X
Discussion: The Project is located in an Urban district, and will address the needs of Hawai'i's families by providing much-needed classroom space for elementary school students. By locating the new classroom space within an existing elementary school campus, the Project is in line with the State's priorities for population growth and land resources.			
HRS § 226-105: Crime and criminal justice.			
Priority guidelines in the area of crime and criminal justice:			
(1) Support law enforcement activities and other criminal justice efforts that are directed to provide a safer environment.			X
(2) Target state and local resources on efforts to reduce the incidence of violent crime and on programs relating to the apprehension and prosecution of repeat offenders.			X
(3) Support community and neighborhood program initiatives that enable residents to assist law enforcement agencies in preventing criminal activities.			X
(4) Reduce overcrowding or substandard conditions in correctional facilities through a comprehensive approach among all criminal justice agencies which may include sentencing law revisions and use of alternative sanctions other than incarceration for persons who pose no danger to their community.			X
(5) Provide a range of appropriate sanctions for juvenile offenders, including community-based programs and other alternative sanctions.			X
(6) Increase public and private efforts to assist witnesses and victims of crimes and to minimize the costs of victimization.			X
Discussion: The Project has no direct relationship to criminal justice.			
HRS § 226-106: Affordable housing.			
Priority guidelines for the provision of affordable housing:			
(1) Seek to use marginal or nonessential agricultural land and public land to meet housing needs of low- and moderate-income and gap-group households.			X
(2) Encourage the use of alternative construction and development methods as a means of reducing production costs.			X
(3) Improve information and analysis relative to land availability and suitability for housing.			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(4) Create incentives for development which would increase home ownership and rental opportunities for Hawai'i's low- and moderate-income households, gap-group households, and residents with special needs.			X
(5) Encourage continued support for government or private housing programs that provide low interest mortgages to Hawai'i's people for the purchase of initial owner- occupied housing.			X
(6) Encourage public and private sector cooperation in the development of rental housing alternatives.			X
(7) Encourage improved coordination between various agencies and levels of government to deal with housing policies and regulations.			X
(8) Give higher priority to the provision of quality housing that is affordable for Hawai'i's residents and less priority to development of housing intended primarily for individuals outside of Hawai'i.			X
Discussion: The Project has no relationship to affordable housing.			
HRS § 226-107: Quality education.			
Priority guidelines to promote quality education:			
(1) Pursue effective programs which reflect the varied district, school, and student needs to strengthen basic skills achievement;	X		
(2) Continue emphasis on general education "core" requirements to provide common background to students and essential support to other university programs;	X		
(3) Initiate efforts to improve the quality of education by improving the capabilities of the education work force;	X		
(4) Promote increased opportunities for greater autonomy and flexibility of educational institutions in their decision-making responsibilities;			X
(5) Increase and improve the use of information technology in education by the availability of telecommunications equipment for:			
(A) The electronic exchange of information;	X		
(B) Statewide electronic mail; and			X
(C) Access to the Internet.	X		
Encourage programs that increase the public's awareness and understanding of the impact of information technologies on our lives;	X		

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(6) Pursue the establishment of Hawai'i's public and private universities and colleges as research and training centers of the Pacific;			X
(7) Develop resources and programs for early childhood education;			X
(8) Explore alternatives for funding and delivery of educational services to improve the overall quality of education; and			X
(9) Strengthen and expand educational programs and services for students with special needs.			X
Discussion: The Project will provide ample opportunities and resources to students at Waikele Elementary School in the realm of Arts & Communication and Industrial Engineering and Technology. All of the new classrooms will provide modern, mixed-use spaces and technologies to educators and students. Providing these assets puts the Waikele Elementary School Project in line with the above State goals.			
HRS § 226-108: Sustainability.			
Priority guidelines and principles to promote sustainability shall include:			
(1) Encouraging balanced economic, social, community, and environmental priorities;	X		
(2) Encouraging planning that respects and promotes living within the natural resources and limits of the State;			X
(3) Promoting a diversified and dynamic economy;			X
(4) Encouraging respect for the host culture;			X
(5) Promoting decisions based on meeting the needs of the present without compromising the needs of future generations	X		
(6) Considering the principles of the ahupua'a system; and			X
(7) Emphasizing that everyone, including individuals, families, communities, businesses, and government, has the responsibility for achieving a sustainable Hawai'i.			X
Discussion: The Project will fill the need for classroom space at Waikele Elementary School, providing a community resource that will be used by future generations.			
HRS § 226-109: Climate change adaptation priority guidelines.			
Priority guidelines to prepare the State to address the impacts of climate change, including impacts to the areas of agriculture; conservation lands; coastal and nearshore marine areas; natural and cultural resources; education; energy; higher education; health; historic preservation; water resources; the built environment, such as housing, recreation, transportation; and the economy shall:			
(1) Ensure that Hawai'i's people are educated, informed, and aware of the impacts climate change may have on their communities;			X

HAWAI'I STATE PLAN, CHAPTER 226, HRS – PART III. PRIORITY GUIDELINES (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(2) Encourage community stewardship groups and local stakeholders to participate in planning and implementation of climate change policies;			X
(3) Invest in continued monitoring and research of Hawai'i's climate and the impacts of climate change on the State;			X
(4) Consider native Hawaiian traditional knowledge and practices in planning for the impacts of climate change;			X
(5) Encourage the preservation and restoration of natural landscape features, such as coral reefs, beaches and dunes, forests, streams, floodplains, and wetlands, that have the inherent capacity to avoid, minimize, or mitigate the impacts of climate change;			X
(6) Explore adaptation strategies that moderate harm or exploit beneficial opportunities in response to actual or expected climate change impacts to the natural and built environments;			X
(7) Promote sector resilience in areas such as water, roads, airports, and public health, by encouraging the identification of climate change threats, assessment of potential consequences, and evaluation of adaptation options;			X
(8) Foster cross-jurisdictional collaboration between county, state, and federal agencies and partnerships between government and private entities and other nongovernmental entities, including nonprofit entities;			X
(9) Use management and implementation approaches that encourage the continual collection, evaluation, and integration of new information and strategies into new and existing practices, policies, and plans; and			X
(10) Encourage planning and management of the natural and built environments that effectively integrate climate change policy.			X
Discussion: The Project has no direct relationship to the State's climate change adaptation priority guidelines. However, the Project is located not only outside the 3.2-foot SLR-XA as modeled by the University of Hawai'i CGG, but also beyond the 6-foot SLR line as modeled by the NOAA Digital Coast Sea Level Rise Viewer (see Figure 9). Waikele Elementary School's location approximately 1.6 miles inland from the nearest coastline and at over a 200-foot elevation, protects the Project Site from potential impacts of sea level rise.			

5.1.4 State Environmental Policy, Chapter 344, Hawai‘i Revised Statutes

The State Environmental Policy, as defined in Chapter 344, HRS, establishes the policy of the State of Hawai‘i on natural resource conservation and the environment. The Project’s consistency with the State Environmental Policy is outlined in the table below:

Table 7: State Environmental Policy, Chapter 344, HRS

State Environmental Policy, Chapter 344, Hawaii Revised Statutes (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
State Environmental Policy			
§344-3 Environmental policy. *It shall be the policy of the State, through its programs, authorities, and resources to:*			
(1) Conserve the natural resources, so that land, water, mineral, visual, air and other natural resources are protected by controlling pollution, by preserving or augmenting natural resources, and by safeguarding the State’s unique natural environmental characteristics in a manner which will foster and promote the general welfare, create and maintain conditions under which humanity and nature can exist in productive harmony, and fulfill the social, economic, and other requirements of the people of Hawaii.			X
(2) Enhance the quality of life by:			
(A) Setting population limits so that the interaction between the natural and artificial environments and the population is mutually beneficial;			X
(B) Creating opportunities for the residents of Hawaii to improve their quality of life through diverse economic activities which are stable and in balance with the physical and social environments;			X
(C) Establishing communities which provide a sense of identity, wise use of land, efficient transportation, and aesthetic and social satisfaction in harmony with the natural environment which is uniquely Hawaiian; and			X
(D) Establishing a commitment on the part of each person to protect and enhance Hawaii’s environment and reduce the drain on nonrenewable resources.			X
Discussion: The Project is planned in an urban area and will not involve State Conservation lands.			
Guidelines			
§344-4 Guidelines. *In pursuance of the state policy to conserve the natural resources and enhance the quality of life, all agencies, in the development of programs, shall, insofar as practicable, consider the following guidelines:*			
(1) Population.			
(A) Recognize population impact as a major factor in environmental degradation and adopt guidelines to alleviate this impact and minimize future degradation;			X

State Environmental Policy, Chapter 344, Hawaii Revised Statutes (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(B) Recognize optimum population levels for counties and districts within the State, keeping in mind that these will change with technology and circumstance, and adopt guidelines to limit population to the levels determined.			X
Discussion: The Project will neither encourage nor discourage population growth.			
(2) Land, water, mineral, visual, air, and other natural resources.			
(A) Encourage management practices which conserve and fully utilize all natural resources;			X
(B) Promote irrigation and waste water management practices which conserve and fully utilize vital water resources;			X
(C) Promote the recycling of waste water;			X
(D) Encourage management practices which conserve and protect watersheds and water sources, forest, and open space areas;			X
(E) Establish and maintain natural area preserves, wildlife preserves, forest reserves, marine preserves, and unique ecological preserves;			X
(F) Maintain an integrated system of state land use planning which coordinates the state and county general plans;			X
(G) Promote the optimal use of solid wastes through programs of waste prevention, energy resource recovery, and recycling so that all our wastes become utilized.			X
Discussion: The proposed Project has no direct relationship to the management of land, water, mineral, visual, air, and other natural resources, other than that the location of the Project will minimize impacts to natural and visual resources by replacing existing portable buildings in a corner of the campus that is located away from main roads and surrounding residential properties.			
(3) Flora and fauna.			
(A) Protect endangered species of indigenous plants and animals and introduce new plants or animals only upon assurance of negligible ecological hazard;			X
(B) Foster the planting of native as well as other trees, shrubs, and flowering plants compatible to the enhancement of our environment.			X
Discussion: The Project is not in any critical habitat areas, and will have no impact on endangered species.			

State Environmental Policy, Chapter 344, Hawaii Revised Statutes (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	**S**	**N/S**	**N/A**
(4) Parks, recreation, and open space.			
(A) Establish, preserve and maintain scenic, historic, cultural, park and recreation areas, including the shorelines, for public recreational, educational, and scientific uses;			X
(B) Protect the shorelines of the State from encroachment of artificial improvements, structures, and activities;			X
(C) Promote open space in view of its natural beauty not only as a natural resource but as an ennobling, living environment for its people.			X
Discussion: The Project is located away from the shoreline, and will have no impact on available parks, recreation, and adjoining open spaces.			
(5) Economic development.			
(A) Encourage industries in Hawaii which would be in harmony with our environment;			X
(B) Promote and foster the agricultural industry of the State; and preserve and conserve productive agricultural lands;			X
(C) Encourage federal activities in Hawaii to protect the environment;			X
(D) Encourage all industries including the fishing, aquaculture, oceanography, recreation, and forest products industries to protect the environment;			X
(E) Establish visitor destination areas with planning controls which shall include but not be limited to the number of rooms;			X
(F) Promote and foster the aquaculture industry of the State; and preserve and conserve productive aquacultural lands.			X
Discussion: The Project is not directly related to the State's goals for economic development.			
(6) Transportation.			
(A) Encourage transportation systems in harmony with the lifestyle of the people and environment of the State;			X
(B) Adopt guidelines to alleviate environmental degradation caused by motor vehicles;			X

State Environmental Policy, Chapter 344, Hawaii Revised Statutes (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
(C) Encourage public and private vehicles and transportation systems to conserve energy, reduce pollution emission, including noise, and provide safe and convenient accommodations for their users.			X
Discussion: The Project is not anticipated to have any impact on transportation systems. During the pre-assessment consultation process, the State of Hawai‘i Department of Transportation (HDOT) commented that it "…does not anticipate the project would have any direct, indirect, construction or operational impact to HDOT highways."			
(7) Energy.			
(A) Encourage the efficient use of energy resources.	X		
Discussion: The new classroom building will incorporate energy efficient fixtures where feasible and will replace existing temporary facilities, thereby minimizing additional energy use of the overall Waikele Elementary School campus.			
(8) Community life and housing.			
(A) Foster lifestyles compatible with the environment; preserve the variety of lifestyles traditional to Hawaii through the design and maintenance of neighborhoods which reflect the culture and mores of the community;			X
(B) Develop communities which provide a sense of identity and social satisfaction in harmony with the environment and provide internal opportunities for shopping, employment, education, and recreation;	X		
(C) Encourage the reduction of environmental pollution which may degrade a community;			X
(D) Foster safe, sanitary, and decent homes;			X
(E) Recognize community appearances as major economic and aesthetic assets of the counties and the State; encourage green belts, plantings, and landscape plans and designs in urban areas; and preserve and promote mountain-to-ocean vistas.			X
Discussion: The Project will enhance community life in the area by providing better opportunities in primary education for area residents.			
(9) Education and culture.			
(A) Foster culture and the arts and promote their linkage to the enhancement of the environment;			X

State Environmental Policy, Chapter 344, Hawaii Revised Statutes (Key: S = Supportive, N/S = Not Supportive, N/A = Not Applicable)	S	N/S	N/A
(B) Encourage both formal and informal environmental education to all age groups.			X
Discussion: The Project is not directly related to environmental education; however, it will provide much-needed educational resources for students and faculty that can improve the current and future curriculum at Waikele Elementary School.			
(10) Citizen participation.			
(A) Encourage all individuals in the State to adopt a moral ethic to respect the natural environment; to reduce waste and excessive consumption; and to fulfill the responsibility as trustees of the environment for the present and succeeding generations; and			X
(B) Provide for expanding citizen participation in the decision making process so it continually embraces more citizens and more issues.	X		
Discussion: This EA discusses potential impacts and mitigation measures of the proposed Project and will provide an opportunity for resident input during the Draft EA Public Comment period.			

5.2 CITY AND COUNTY OF HONOLULU

5.2.1 General Plan

The City and County of Honolulu's General Plan is the policy document for the long-range development of the Island of O'ahu. The General Plan is a statement of general conditions to be sought in the 20 year planning horizon and policies to help direct attainment of the plan's objectives. Specific General Plan goals and policies applicable to the Proposed Project are discussed below.

Health and Education

Objective B *– To provide a wide range of educational opportunities for the people of Oahu.*

Policies:

(4) Encourage the construction of school facilities that are designed for flexibility and high levels of use.

(5) Facilitate the appropriate location of learning institutions from the preschool through university levels.

Discussion: The Project is in accordance with the City and County's goals in education, as the construction of this new school facility, located appropriately on an existing elementary school site, will expand the availability of resources and classroom space for Waikele Elementary School's student body, encouraging enhanced use of classroom space and learning opportunities as mentioned in the Project Description (Section 2.3) of this environmental assessment.

5.2.2 Central Oʻahu Sustainable Communities Plan

The City and County of Honolulu has adopted the Central Oʻahu Sustainable Communities Plan (COSCP) as one of eight community-oriented plans to guide public policy, investment and decision making through the 2025 planning horizon. The document contains policies specific to Central Oʻahu region. These policies, principles, and guidelines are then implemented through ordinances such as the Land Use Ordinance (zoning code). The COSCP makes the following references to Waikele (as it relates to the location of Waikele Elementary School):

Community Growth Boundary:

• *Generally circumscribes the existing communities of Village Park, Waipahu, Waikele, Gentry Waipiʻo, Mililani, Mililani Mauka, and Wahiawā, and planned developments of Royal Kunia, Koa Ridge Makai, Waiawa, and Mililani Technology Park;.*

Discussion: While the proposed Project will not encourage population growth, the Project will involve the replacement of existing classroom facilities on the Waikele Elementary School campus, located within the planned Community Growth Boundary. The Project will retain the redevelopment of facilities on the campus, while providing necessary classroom space and support facilities for the students and faculty.

5.2.3 Land Use Ordinance

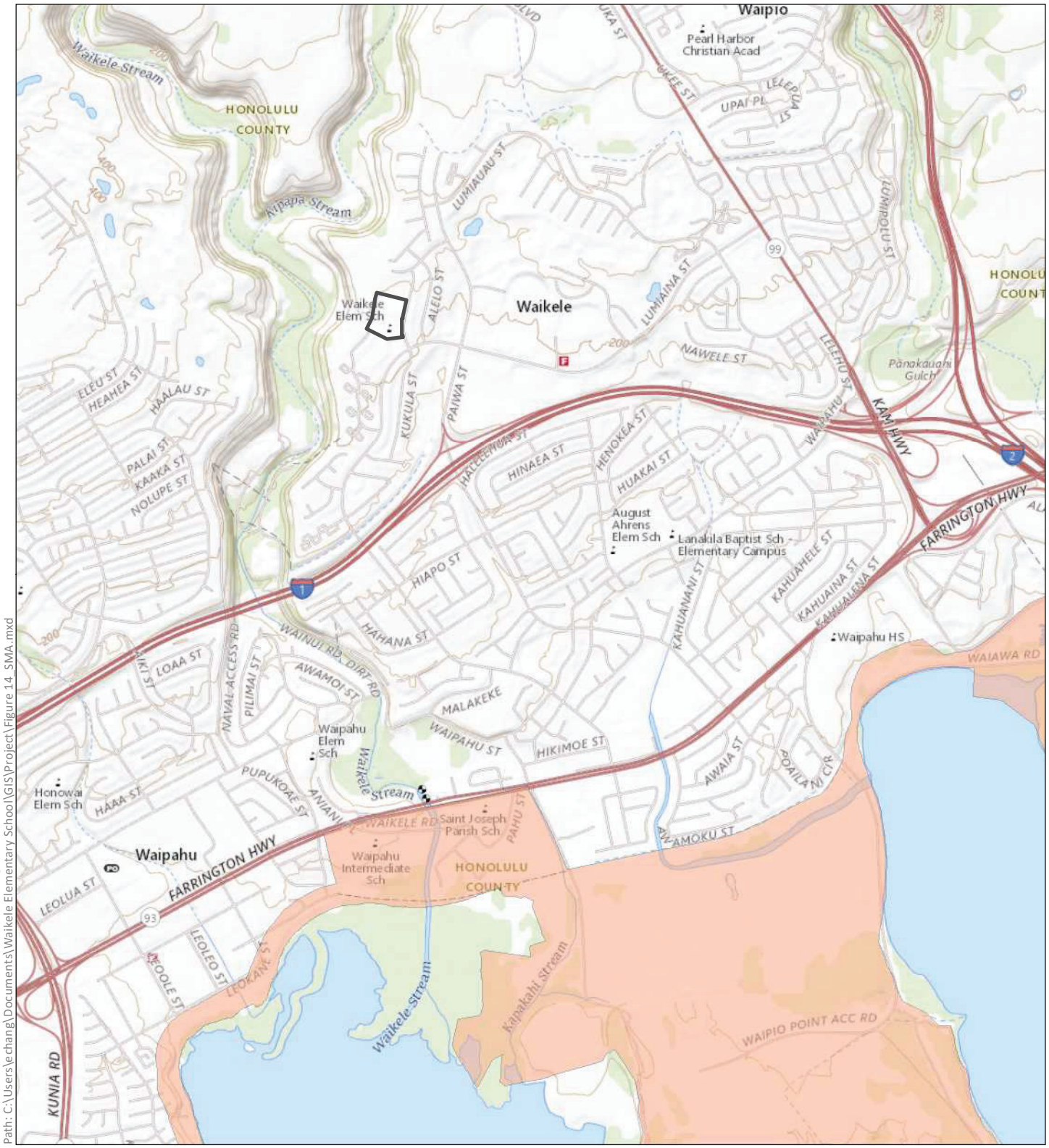
The Land Use Ordinance (LUO), Chapter 21 of the Revised Ordinances of the City and County of Honolulu (ROH), implements the goals and objectives of the General Plan and the COSCP. All lands within the City and County of Honolulu are zoned into specific districts. According to the Department of Planning and Permitting, the Project Site is zoned R-5 Residential. According to the LUO Master Use Table (Table 21-3 of the LUO), "Public uses and structures" are permitted in all zoning districts.

Discussion: The proposed Project is consistent with the LUO in that it is a public structure (a DOE classroom building) for a public use, which is a permitted use in all zoning districts regulated by the City and County of Honolulu, including the R-5 zone in which the Project is located.

Under the LUO, the current height limit under R-5 zoning is 25 feet. Since the proposed Project is estimated to be 16 feet to accommodate the one-story building, the height is within the current height limit.

5.2.4 Special Management Area

As shown in Figure 14, the Project is not located in the Special Management Area (SMA), and is thus not subject to the provisions of Chapter 25, ROH.



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Path: C:\Users\echang\Documents\Waikele Elementary School\GIS\Project\Figure 14_SMA.mxd

DATE: 7/27/2020

LEGEND

- Waikele Elementary School
- Special Management Area

Figure 14:
Special Management Area (SMA)

WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING

State of Hawai'i - Department of Education — O'ahu

North — Linear Scale (feet): 0 500 1,000 2,000

PBR HAWAII & ASSOCIATES, INC

Source: ESRI Online Basemap. United States Geological Survey, 2017. Hawai'i State Department of Education, 2017. Special Management Area, City & County of Honolulu, 2018.

Disclaimer: This graphic has been prepared for general planning purposes only and should not be used for boundary interpretations or other spatial analysis.

5.2.5 Complete Streets

Complete streets are part of a transportation and design approach that aims to create a comprehensive, integrated network of streets that are safe and convenient for all people whether traveling by foot, bicycle, transit, or automobile, and regardless of age or ability. Complete Streets move away from streets designed with a singular focus on automobiles toward a design approach that is context-sensitive, multimodal, and integrated with the community's vision and sense of place. The end result is a road network that provides safe travel, promotes public health, and creates stronger communities.

The City and County of Honolulu is committed to complete streets solutions that improve safety, accessibility, and comfort for all users, encourage physical activity, and reflect community needs and character. In 2009, State Act 54, Session Laws of Hawai‘i (SLH) 2009 was passed, requiring all Counties and the State DOT to adopt a Complete Streets policy. The Honolulu Complete Streets Ordinance was passed by City Council and signed into law in 2012 as Ordinance 12-15 (Revised Ordinances of Honolulu (ROH) Chapter14, Article 33), establishing the complete streets policy for the City and County of Honolulu. In 2016, the City and County of Honolulu finalized its Complete Streets Design Manual and hired a Complete Streets Program Administrator to move toward implementation of improvements that make Honolulu’s streets and neighborhoods safe and inviting for all users, regardless of age or ability.

The Complete Streets policy and principles are discussed below:

ROH §14-33.2 Complete streets policy; principles

(a) There is hereby established a complete streets policy and principles for the City and County of Honolulu to guide and direct more comprehensive and balanced planning, design, and construction of city transportation systems. Under this policy, the city hereby expresses its commitment to encourage the development of transportation facilities or projects that are planned, designed, operated, and maintained to provide safe mobility for all users. Every transportation facility or project, whether new construction, reconstruction, or maintenance, provides the opportunity to implement complete streets policy and principles. This policy provides that a context sensitive solution process and multi-modal approach be considered in all planning documents and for the development of all city transportation facilities and projects.

(b) Complete streets principles consist of the following objectives:

(1) Improve safety;

(2) Apply a context sensitive solution process that integrates community context and the surrounding environment, including land use;

(3) Protect and promote accessibility and mobility for all;

(4) Balance the needs and comfort of all modes and users;

(5) Encourage consistent use of national industry best practice guidelines to select complete streets design elements;

(6) Improve energy efficiency in travel and mitigate vehicle emissions by providing non-motorized transportation options;

(7) Encourage opportunities for physical activity and recognize the health benefits of an active lifestyle;

(8) Recognize complete streets as a long-term investment that can save money over time;

(9) Build partnerships with stakeholders and organizations statewide; and

(10) Incorporate trees and landscaping as integral components of complete streets.

Discussion: The proposed Project will be generally consistent with the City's Complete Streets ordinance and retain features to encourage alternative modes of transportation to and from the campus. As discussed in Sections 4.2.4 (Bicycle and Pedestrian Facilities) above, the Waikele Elementary School can be accessed by walking, biking (and other micro-mobility modes), or public transit in a safe, convenient manner. The Waikele Elementary School campus also provides internal paved paths for easy access to the campus facilities for people of all abilities.

5.3 LIST OF REQUIRED PERMITS AND APPROVALS

Anticipated permits and approvals that may be required are outlined in Table 8, below.

Table 8: Required Permits and Approvals

AGENCY	PERMIT/APPROVAL
State of Hawai‘i	
Office of Environmental Quality Control	• Chapter 343, HRS Compliance
Department of Health	• National Pollutant Discharge Elimination System (NPDES) Permit (if necessary) • Dust Control Plan • Noise Permit (if necessary)
Department of Health – Disability and Communication Access Board	• Americans with Disabilities Act Compliance
Department of Land and Natural Resources, Historic Preservation Division	• Section 6E, HRS Review
City and County of Honolulu	
Department of Environmental Services	• Industrial Wastewater Discharge Permit (application submitted)
Department of Planning and Permitting	• Grading, Grubbing, and Stockpiling Permits • Occupancy Permit • Building Permit (electrical, plumbing, civil) • Site Development Master Application for Sewer Connection

AGENCY	PERMIT/APPROVAL
	• Storm Drain Connection License (if necessary) • Storm Water Quality Strategic Plan • Rules Relating to Water Quality and Storm Drainage Standards Compliance

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6.0 ALTERNATIVES

In compliance with the provisions of Section 11-200.1-18(d)(7), HAR relating to Environmental Assessments, an environmental assessment must discuss potential alternatives to the proposed action which could attain the objectives of the action in sufficient detail to explain why they were rejected. The alternatives considered include:

6.1 NO ACTION

The no-action alternative is no change to the existing site. This alternative would not meet the objective of the Project:

> *"The objective of the New Classroom Building is to provide six new classroom facilities, a covered, outdoor learning space, and other support spaces including, but not limited to, storage rooms, an electrical room, restrooms, and an IT room. The New Classroom Building will replace the existing portable classroom facilities located at the Project Site and will not increase student enrollment."*

Under this alternative the proposed Waikele Elementary School new classroom building will not be constructed. Without the proposed Project, Waikele Elementary School will continue providing portable classroom buildings and will continue to experience a inadequate classroom space and overcrowding and degradation of existing facilities.

6.2 ALTERNATIVES

One alternative is considered for the Project in terms of building heights, the number and configurations of buildings, and phasing.

Alternative: One-story building

A one-story building option allows for the building footprint to fit within the existing Project Site, where the temporary portable facilities are currently located, while providing enough space to accommodate six classrooms and additional support facilities within a single building. A one-story building will also be similar in height and character to other buildings within the Waikele Elementary School campus.

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7.0 FINDINGS, SUPPORTING REASONS, AND ANTICIPATED DETERMINATION

To determine whether the Waikele Elementary School new classroom building may have a significant impact on the physical and human environment, all phases and expected consequences of the proposed Project have been evaluated, including potential primary, secondary, short-range, long-range, and cumulative impacts. Based on this evaluation, the Approving Agency (State of Hawai‘i, Department of Education) anticipates issuing a Finding of No Significant Impact (FONSI) for the Project. The supporting rationale for this anticipated finding is presented in this chapter.

7.1 PROBABLE IMPACT, INCLUDING CUMULATIVE IMPACTS

Cumulative impacts are impacts on the environment that result from the action when added to other past, present, and foreseeable future actions by other agencies or persons. Examples of possible cumulative impacts of a proposed action could be those related to increased traffic and greater demand on water, sanitary sewer and storm drainage capacity.

The proposed Project involves the replacement of temporary portable facilities with a permanent classroom building and necessary support facilities to serve the existing needs of the students and faculty at Waikele Elementary School. Replacement of these temporary classroom facilities will not increase student enrollment, but address an existing need for better quality facilities utilized by the student and faculty population. Therefore, the Project will not significantly contribute to impacts resulting from an increase in student or faculty population, such as increased demand on infrastructure, increased traffic, increased demand on public services or facilities, or an increased demand on natural resources in the vicinity of the Project Site. Socio-economic impacts resulting from the proposed DOE project are anticipated to be beneficial. Construction will generate excise taxes, employment, income taxes, and indirect economic opportunities. The proposed Project will provide Waikele Elementary School with the additional classroom space and improved facilities necessary to address the current classroom shortage while continuing to deliver quality education to its students. Overall, the net cumulative impact is expected to have a positive effect on Waikele Elementary School students (and their families) and the broader community.

7.2 SIGNIFICANCE CRITERIA

Based upon the previous information presented in this document the proposed permitting and construction of the Project will likely have no significant environmental impacts. This determination is based upon the thirteen Significance Criteria outlined in Chapter 343, HRS, as amended and Title 11 Chapter 200.1-13 HAR 1996, discussed below.

(1) Irrevocably commit a natural, cultural, or historic resource;

The Project Site’s status as an existing paved and landscaped area, plus prior land disturbance suggests that the Site is absent any natural, cultural or historic resources potentially subject to irrevocable loss as a result of construction.

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

The Project will not curtail the range of beneficial uses of the environment as the Site is currently developed.

(3) Conflict with the State's environmental policies or long-term environmental goals established by law;

The Environmental Policies enumerated in Chapter 344, HRS promote conservation of natural resources, and an enhanced quality of life for all citizens. As detailed in Section 5.1.4 above, the proposed Project does not conflict with the State's long-term environmental policies, goals, or guidelines as expressed in Chapter 344, HRS, and will not significantly impact natural resources due to the fact that the Site is already developed has been subject to intense human utilization since the location of the Waikele Elementary School and surrounding area was converted to agricultural uses beginning as early as the late nineteenth century and the Project Site was redeveloped for current educational uses thereafter.

(4) Have a substantial adverse effect on the economic welfare, social welfare, or cultural practices of the community and State;

The Project will positively influence social welfare by facilitating the education of students at Waikele Elementary School.

(5) Have a substantial adverse effect on public health;

The potential temporary impacts related to noise, air or water quality during construction will be addressed through construction management practices in compliance with Federal, State and County requirements. The Department of Education’s initiative to build sustainably will help to ensure that the proposed Project will not negatively affect public health.

(6) Involve adverse secondary impacts, such as population changes or effects on public facilities;

The Department of Education anticipates no increase in student population as a result of the proposed Project, and as a result, no increase in demand on public facilities. The Project is proposed to address needs at the current and planned enrollment levels. The new facilities provided by the new structure will help students learn and succeed in the 21st century.

The Project would include state-of-the-art materials and resources (books, computers, equipment, supplies, etc.) available for use by students and faculty to enhance their instructional needs. The space would promote the use of various types of programs and activities as needed by courses and instructors.

(7) Involve a substantial degradation of environmental quality;

No substantial environmental degradation is anticipated. The Department of Education has committed itself to a development initiative of environmental sustainability (HI-CHPS). The project will need to meet minimum applicable statutes and regulations as well as the more stringent self-imposed sustainability requirements.

(8) Be individually limited but cumulatively have substantial adverse effect upon the environment, or involves a commitment for larger actions;

The proposed Project will not have any substantial negative secondary impacts on the environment. Implementation of the proposed Project will not commit the Department of Education to any other larger actions, and will not generate any additional actions having a cumulative effect on the environment.

(9) Have a substantial adverse effect on a rare, threatened, or endangered species, or its habitat;

The Project will occupy a site that is already committed to temporary classroom facilities within the Waikele Elementary School campus; moreover, due to intense human utilization since the late nineteenth century, the proposed improvements are not anticipated to have any impact on endangered flora or faunal species. The site contains no habitat for rare, threatened or endangered plant or animal species or their respective habitats.

(10) Have a substantial adverse effect on air or water quality or ambient noise levels;

Air Quality: No State or Federal air quality standards will be violated during or after the construction of the Project.

Water Quality: No State or Federal water quality standards will be violated during or after the construction of the Project.

Ambient Noise Levels: Construction activities for the proposed Project will inevitably create temporary noise impacts. The developer may employ mitigation measures to minimize those temporary noise impacts including the use of mufflers and implementing construction curfew periods. Pursuant to Chapter 11-46, HAR, the project activities will comply with all community noise controls.

(11) Have a substantial adverse effect on or be likely to suffer damage by being located in an environmentally sensitive area such as a flood plain, tsunami zone, sea level rise exposure area, beach, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters;

The Project Site does not lie in an environmentally sensitive area such as a flood plain, tsunami zone, sea level rise exposure area, beach, erosion-prone area, estuary, freshwater or coastal waters. Likewise, the Project is not anticipated to have any impact on any natural hazard conditions.

(12) Have a substantial adverse effect on scenic vistas and viewplanes, during day or night, identified in county or state plans or studies; or,

Adverse effects to makai views will not occur due to the surrounding built environment (the existing two-story buildings of the Waikele Elementary School, makai of the Project Site).

(13) Require substantial energy consumption or emit substantial greenhouse gases.

The proposed Project will not require substantial energy consumption nor produce substantial greenhouse gases. The Project will replace the energy use of existing temporary facilities and infrastructure. Additionally, the Project will implement energy efficient fixtures as feasible to reduce overall energy consumption.

7.3 ANTICIPATED DETERMINATION

On the basis of impacts and mitigation measures examined in this document and analyzed under the above criteria, it is anticipated that the Project will not have a significant effect on the physical or human environments. Pursuant to Chapter 343, HRS, it is anticipated that the approving agency, the State of Hawai‘i, Department of Education, will issue a Finding of No Significant Impact (FONSI).

8.0 REFERENCES

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APPENDIX A

Pre-Assessment Consultation Comments and Responses

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Pacific Islands Fish and Wildlife Office
300 Ala Moana Boulevard, Room 3-122
Honolulu, Hawaii 96850

In Reply Refer To:
01EPIF00-2020-TA-0392

July 21, 2020

Ms. Brittany Wheatman
PBR Hawaii & Associates, Inc
1001 Bishop Street, Suite 650
Honolulu, HI 96813

Subject: Technical Assistance for Waikele Elementary EA, Waipahu, Oahu

Dear Ms. Wheatman:

Thank you for your recent correspondence requesting technical assistance on species biology, habitat, or life requisite requirements. The Pacific Islands Fish and Wildlife Office (PIFWO) of the U.S. Fish and Wildlife Service (Service) appreciates your efforts to avoid or minimize effects to protected species associated with your proposed actions. We provide the following information for your consideration under the authorities of the Endangered Species Act (ESA) of 1973 (16 U.S.C. 1531 *et seq*.), as amended.

Due to significant workload constraints, PIFWO is currently unable to specifically address your information request. The table below lists the protected species most likely to be encountered by projects implemented within the Hawaiian Islands. Based on your project location and description, we have noted the species most likely to occur within the vicinity of the project area, in the '**Occurs In or Near Project Area'** column. Please note this list is not comprehensive and should only be used for general guidance. We have added to the PIFWO website, located at https://www.fws.gov/pacificislands/promo.cfm?id=177175840 recommended conservation measures intended to avoid or minimize adverse effects to these federally protected species and best management practices to minimize and avoid sedimentation and erosion impacts to water quality.

If you are representing a federal action agency, please use the official species list on our web-site for your section 7 consultation. You can find out if your project occurs in or near designated critical habitat here: https://ecos.fws.gov/ipac/.

Under section 7 of the ESA, it is the Federal agency's (or their non-Federal designee) responsibility to make the determination of whether or not the proposed project "may affect" federally listed species or designated critical habitat. A "may affect, not likely to adversely

affect" determination is appropriate when effects to federally listed species are expected to be discountable (*i.e.*, unlikely to occur), insignificant (minimal in size), or completely beneficial. This conclusion requires written concurrence from the Service. If a "may affect, likely to adversely affect" determination is made, then the Federal agency must initiate formal consultation with the Service. Projects that are determined to have "no effect" on federally listed species and/or critical habitat do not require additional coordination or consultation.

Implementing the avoidance, minimization, or conservation measures for the species that may occur in your project area will normally enable you to make a "may affect, not likely to adversely affect" determination for your project. If it is determined that the proposed project may affect federally listed species, we recommend you contact our office early in the planning process so that we may assist you with the ESA compliance. If the proposed project is funded, authorized, or permitted by a Federal agency, then that agency should consult with us pursuant to section 7(a)(2) of the ESA. If no Federal agency is involved with the proposed project, the applicant should apply for an incidental take permit under section 10(a)(1)(B) of the ESA. A section 10 permit application must include a habitat conservation plan that identifies the effects of the action on listed species and their habitats, and defines measures to minimize and mitigate those adverse effects.

We appreciate your efforts to conserve endangered species. We regret that we cannot provide you with more specific protected species information for your project site. If you have questions that are not answered by the information on our website, you can contact PIFWO at (808) 792-9400 and ask to speak to the lead biologist for the island where your project is located.

Sincerely,

Aaron Nadig

Digitally signed by Aaron Nadig
Date: 2020.07.21 12:55:07 -10'00'

Island Team Manager
Pacific Islands Fish and Wildlife Office

The table below lists the protected species most likely to be encountered by projects implemented within the Hawaiian Islands. For your guidance, we‘ve marked species that may occur in the vicinity of your project, this list is not comprehensive and should only be used for general guidance.

Scientific Name	**Common Name / Hawaiian Name**	**Federal Status**	**May Occur In Project Area**
Mammals			
Lasiurus cinereus semotus	Hawaiian hoary bat/ ‘ōpe‘ape‘a	E	☒
Reptiles			
Chelonia mydas	Green sea turtle/honu - Central North Pacific DPS	T	☐
Erectmochelys imbricata	Hawksbill sea turtle/ Honu ‘ea	E	☐
Birds			
Anas wyvilliana	Hawaiian duck/ koloa	E	☐
Branta sandvicensis	Hawaiian goose/ nēnē	T	☐
Fulica alai	Hawaiian coot/ ‘alae kea	E	☐
Gallinula chloropus sandvicensis	Hawaiian gallinule/ ‘alae ‘ula	E	☐
Himantopus mexicanus knudseni	Hawaiian stilt/ Ae‘o	E	☐
Oceanodroma castro	Band-rumped storm-petrel/ ‘akē‘akē	E	☒
Pterodroma sandwichensis	Hawaiian petrel/ ‘ua‘u	E	☒
Puffinus auricularis newelli	Newell’s shearwater/ ‘a‘o	T	☒
Ardenna pacificus	Wedge-tailed Shearwater/ ‘ua‘u kani	MBTA	☐
Gygis alba	White Tern/ manu-o-kū	MBTA	☐
Buteo solitarius	Hawaiian hawk/ ‘io	E	☐
Insects			
Manduca blackburni	Blackburn’s sphinx moth	E	☐
Megalagrion pacificum	Pacific Hawaiian Damselfly	E	☐
M. xanthomelas	Orangeblack Hawaiian Damselfly	E	☐
M. nigrohamatum nigrolineatum	Blackline Hawaiian Damselfly	E	☐

Plants				
Scientific Name	**Common Name or Hawaiian Name**	**Federal Status**	**Locations**	**May Occur In Project Area**
Abutilon menziesii	Ko‘oloa‘ula	E	O, L, M, H	☐
Achyranthes splendens var. *rotundata*	‘Ewa hinahina	E	O	☐
Bonamia menziesii	No common name	E	K, O, L, M, H	☐
Canavalia pubescens	‘Āwikiwiki	E	Ni, K, L, M	☐
Colubrina oppositifolia	Kauila	E	O, M, H	☐
Cyperus trachysanthos	Pu‘uka‘a	E	K, O	☐
Gouania hillebrandii	No common name	E	Mo, M	☐
Hibiscus brackenridgei	Ma‘o hau hele	E	O, Mo, L, M, H	☐
Ischaemum byrone	Hilo ischaemum	E	K, O, Mo, M, H	☐
Isodendrion pyrifolium	Wahine noho kula	E	O, H	☐
Marsilea villosa	‘Ihi‘ihi	E	Ni, O, Mo	☐
Mezoneuron kavaiense	Uhiuhi	E	O, H	☐
Nothocestrum breviflorum	‘Aiea	E	H	☐
Panicum fauriei var. *carteri*	Carter’s panicgrass	E	Molokini Islet (O), Mo	☐
Panicum niihauense	Lau‘ehu	E	K	☐
Peucedanum sandwicense	Makou	E	K, O, Mo, M	☐
Pleomele (Chrysodracon) hawaiiensis	Halapepe	E	H	☐
Portulaca sclerocarpa	‘Ihi	E	L, H	☐
Portulaca villosa	‘Ihi	E	Le, Ka, Ni, O, Mo, M, L, H, Nihoa	☐
Pritchardia affinis (maideniana)	Loulu	E	H	☐
Pseudognaphalium sandwicensium var. *molokaiense*	‘Ena‘ena	E	Mo, M	☐
Scaevola coriacea	Dwarf naupaka	E	Mo, M	☐
Schenkia (*Centaurium*) *sebaeoides*	‘Āwiwi	E	K, O, Mo, L, M	☐
Sesbania tomentosa	‘Ōhai	E	Ni, Ka, K, O, Mo, M, L, H, Necker, Nihoa	☐
Tetramolopium rockii	No common name	T	Mo	☐
Vigna o-wahuensis	No common name	E	Mo, M, L, H, Ka	☐

Location key: O=O‘ahu, K=Kaua‘i, M=Maui, H=Hawai‘i Island, L=Lāna‘i, Mo=Moloka‘i, Ka=Kaho‘olawe, Ni=Ni‘ihau, Le=Lehua

CELEBRATING
50 YEARS

PBR HAWAII & Associates, Inc
1001 Bishop Street, Suite 650
Honolulu, Hawai'i 96813-3484
Tel: (808) 521-5631
Fax: (808) 523-1402
E-mail: sysadmin@pbrhawaii.com

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Principal

KIMI MIKAMI YUEN, LEED® AP BD+C
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CATIE CULLISON, AICP
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MARC SHIMATSU, ASLA
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ANN MIKIKO BOUSLOG, PhD
Project Director

RAMSAY R. M. TAUM
Cultural Sustainability Planner

MICAH McMILLEN, ASLA, LEED® AP
Senior Associate

NATHALIE RAZO
Senior Associate

GRACE ZHENG, ASLA, LEED® GA, SITES® AP
Senior Associate

BRIAN WOLF, ASLA, LEED® AP
Senior Associate

BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Mr. Aaron Nadig, Island Team Manager
Pacific Islands Fish and Wildlife Office
U.S. Fish and Wildlife Service
300 Ala Moana Boulevard, Room 3-122
Honolulu, HI 96850

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Nadig,

Thank you for your letter dated July 21, 2020 (your reference code: 01EPIF00-2020-TA-0392), regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge your comments and provide the following response.

We acknowledge the current workload constraints of the Pacific Islands Fish and Wildlife Office to provide specific protected species information. However, we acknowledge the list provided indicating the protected species most likely to be encountered in the vicinity of the Project area, as well as the resources provided for recommended conservation measures. The species noted on this list most likely to occur in or near the Project area and the recommended conservation efforts will be discussed in the Draft Environmental Assessment (EA). The Draft EA will also discuss the location of the subject project in relation to any designated critical habitats.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DAVID Y. IGE
GOVERNOR

CURT T. OTAGURO
COMPTROLLER

AUDREY HIDANO
DEPUTY COMPTROLLER

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
P.O. BOX 119, HONOLULU, HAWAII 96810-0119

(P)20.111

JUL 13 2020

Ms. Brittany Wheatman, Planner
PBR HAWAII & Associates, Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813-3484

Dear Ms. Wheatman:

Subject: Pre-Assessment Consultation for a HRS Chapter 343 Environmental Assessment — Waikele Elementary School New Classroom Building
Waipahu, Hawaii
TMK (1) 9-4-007:069 (POR.)

Thank you for the opportunity to provide comments for the subject project. The proposed project does not impact any of the Department of Accounting and General Services' existing facilities in the area, and we have no comments to offer at this time.

If you have any questions or require further information, please call Mr. Dennis Chen of the Planning Branch at 586-0491.

Sincerely,

CHRISTINE L. KINIMKA
Public Works Administrator

DE:mo

CELEBRATING
50 YEARS

PBR HAWAII & Associates, Inc
1001 Bishop Street, Suite 650
Honolulu, Hawai'i 96813-3484
Tel: (808) 521-5631
Fax: (808) 523-1402
E-mail: sysadmin@pbrhawaii.com

THOMAS S. WITTEN, FASLA
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BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Ms. Christine L. Kinimaka, Public Works Administrator
Department of Accounting and General Services
State of Hawai'i
P.O. Box 119
Honolulu, HI 96810-0119

Attn: Dennis Chen, Planning Branch

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Ms. Kinimaka,

Thank you for your letter dated July 13, 2020 (DAGS reference # [P]20.111), regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge your comments that the subject project will not impact the Department of Accounting and General Services' (DAGS) existing facilities in the area and that DAGS has no further comments at this time.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DAVID Y. IGE
GOVERNOR

CATHY BETTS
DIRECTOR

JOSEPH CAMPOS II
DEPUTY DIRECTOR

STATE OF HAWAII
DEPARTMENT OF HUMAN SERVICES
Benefit, Employment and Support Services Division
1010 Richards Street, Suite 512
Honolulu, Hawai'i 96813

Refer to: 20-0251

December 14, 2020

PBR Hawaiil & Associates, Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813-3484
Attn: Brittany Wheatman

Dear Ms. Wheatman:

Subject: Pre-Assessment Consultation for a HRS Chapter 343 Environmental Assessment – Waikele Elementary School New Classroom Building, Waipahu, Hawaii, TMK (1) 9-4-007:69 (POR.)

Please accept our sincere apologies for the delayed response in providing comments for the above-named project.

The Department of Human Services has reviewed the project site for the Waikele Elementary School New Classroom Building and has no comment at this time.

If you should have any questions regarding this matter, please contact Ms. Lisa Galino, Child Care Program Specialist at (808) 586-5712.

Sincerely,

Scott Nakasone

Scott Nakasone
Assistant Division Administrator

c: Cathy Betts, Director

CELEBRATING
50 YEARS

PBR HAWAII & Associates, Inc
1001 Bishop Street, Suite 650
Honolulu, Hawai'i 96813-3484
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BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Mr. Scott Nakasone, Assistant Division Administrator
Department of Human Services
State of Hawai'i
1010 Richards Street, Suite 512
Honolulu, HI 96813

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Nakasone,

Thank you for your letter dated December 14, 2020 (reference code: 20-0251) regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge the Department of Human Services has no comments to offer on the subject project at this time.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DAVID Y. IGE
GOVERNOR OF HAWAII

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE
MANAGEMENT

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

August 20, 2020

LD 717

PBR Hawaii & Associates, Inc.
Attn: Brittany Wheatman
1001 Bishop Street, Suite 650 *via email: bwheatman@pbrhawaii.com*
Honolulu, HI 96813-3484

Dear Ms Wheatman:

SUBJECT: **Pre-Assessment Consultation for a HRS Chapter 343 Environmental Assessment – Waikele Elementary School, New Classroom Building, Waipahu, Hawaii, TMK (1) 9-4-007:069 (por.)**

Thank you for the opportunity to review and comment on the subject project. The Land Division of the Department of Land and Natural Resources (DLNR) distributed copies of your request to DLNR's various divisions for their review and comment.

Enclosed are responses/comments from our (a) Engineering Division and (b) Division of Forestry and Wildlife, and (c) Land Division – Oahu District. Should you have any questions about the attached comments, please feel free to contact Barbara Lee via email at barbara.j.lee@hawaii.gov. Thank you.

Sincerely,

Russell Tsuji

Russell Y. Tsuji
Land Administrator

Enclosure(s)
cc: Central Files

DAVID Y. IGE
GOVERNOR OF HAWAII

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

August 07, 2020

LD 717

MEMORANDUM

FROM:

~~TO:~~ **DLNR Agencies:**
__Div. of Aquatic Resources
__Div. of Boating & Ocean Recreation
_X_Engineering Division *(via email: DLNR.Engr@hawaii.gov)*
_X_Div. of Forestry & Wildlife *(via email: Rubyrosa.T.Terrago@hawaii.gov)*
__Div. of State Parks
_X_Commission on Water Resource Management *(via email: DLNR.CWRM@hawaii.gov)*
__Office of Conservation & Coastal Lands
_X_Land Division – Oahu District *(via email: DLNR.Land@hawaii.gov)*
_X_Historic Preservation *(via email: DLNR.Intake.SHPD@hawaii.gov)*

TO:

~~FROM:~~ Russell Y. Tsuji, Land Administrator *Russell Tsuji*

SUBJECT: **Pre-Assessment Consultation for Draft Environmental Assessment**
Waikele Elementary School New Classroom Building

LOCATION: Waipahu, Island of Oahu; TMK: (1) 9-4-007:069 (por.)

APPLICANT: **PBR Hawaii on behalf of the State of Hawai'i Department of Education**

Transmitted for your review and comment is information on the above-referenced subject. Please submit any comments via email to the Land Division at DLNR.Land@hawaii.gov, copied to barbara.j.lee@hawaii.gov and darlene.k.nakamura@hawaii.gov, by **August 13, 2020.**

If no response is received by the above date, we will assume your agency has no comments. Should you have any questions about this request, please contact Barbara Lee directly at barbara.j.lee@hawaii.gov. Thank you.

( ) We have no objections.
( ) We have no comments.
(✓) Comments are attached.

Signed: _____
Print Name: Carty S. Chang, Chief Engineer
Division: Engineering Division
Date: Aug 12, 2020

Attachments
Cc: Central Files

DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

LD/Russell Y. Tsuji
Ref: Pre-Assessment Consultation for Draft Environmental Assessment
Waikele Elementary School New Classroom Building
TMK(s): (1) 9-4-007:069 (por.)
Location: Waipahu, Island of Oahu
Applicant: PBR Hawaii on behalf of the State of Hawaii Department of Education

COMMENTS

The rules and regulations of the National Flood Insurance Program (NFIP), Title 44 of the Code of Federal Regulations (44CFR), are in effect when development falls within a Special Flood Hazard Area (high risk areas). State projects are required to comply with 44CFR regulations as stipulated in Section 60.12. Be advised that 44CFR reflects the minimum standards as set forth by the NFIP. Local community flood ordinances may stipulate higher standards that can be more restrictive and would take precedence over the minimum NFIP standards.

The owner of the project property and/or their representative is responsible to research the Flood Hazard Zone designation for the project. Flood Hazard Zones are designated on FEMA's Flood Insurance Rate Maps (FIRM), which can be viewed on our Flood Hazard Assessment Tool (FHAT) (http://gis.hawaiinfip.org/FHAT).

If there are questions regarding the local flood ordinances, please contact the applicable County NFIP coordinating agency below:

- Oahu: City and County of Honolulu, Department of Planning and Permitting (808) 768-8098.
- Hawaii Island: County of Hawaii, Department of Public Works (808) 961-8327.
- Maui/Molokai/Lanai County of Maui, Department of Planning (808) 270-7253.
- Kauai: County of Kauai, Department of Public Works (808) 241-4896.

The applicant should include water demands and infrastructure required to meet project needs. Please note that the projects within State lands requiring water service from their local Department/Board of Water Supply system will be required to pay a resource development charge, in addition to Water Facilities Charges for transmission and daily storage.

The applicant is required to provide water demands and calculations to the Engineering Division so it can be included in the State Water Projects Plan Update projections.

Signed: _____
CARTY S. CHANG, CHIEF ENGINEER

Date: Aug 24, 2020

DAVID Y. IGE
GOVERNOR OF HAWAII

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

August 07, 2020

LD 717

MEMORANDUM

TO: **DLNR Agencies:**
___Div. of Aquatic Resources
___Div. of Boating & Ocean Recreation
_X_Engineering Division *(via email: DLNR.Engr@hawaii.gov)*
_X_Div. of Forestry & Wildlife *(via email: Rubyrosa.T.Terrago@hawaii.gov)*
___Div. of State Parks
_X_Commission on Water Resource Management *(via email: DLNR.CWRM@hawaii.gov)*
___Office of Conservation & Coastal Lands
_X_Land Division – Oahu District *(via email: DLNR.Land@hawaii.gov)*
_X_Historic Preservation *(via email: DLNR.Intake.SHPD@hawaii.gov)*

FROM: Russell Y. Tsuji, Land Administrator *Russell Tsuji*
SUBJECT: **Pre-Assessment Consultation for Draft Environmental Assessment**
Waikele Elementary School New Classroom Building
LOCATION: Waipahu, Island of Oahu; TMK: (1) 9-4-007:069 (por.)
APPLICANT: **PBR Hawaii on behalf of the State of Hawai'i Department of Education**

Transmitted for your review and comment is information on the above-referenced subject. Please submit any comments via email to the Land Division at DLNR.Land@hawaii.gov, copied to barbara.j.lee@hawaii.gov and darlene.k.nakamura@hawaii.gov, by **August 13, 2020.**

If no response is received by the above date, we will assume your agency has no comments. Should you have any questions about this request, please contact Barbara Lee directly at barbara.j.lee@hawaii.gov. Thank you.

( ) We have no objections.
( ) We have no comments.
(☑) Comments are attached.

Signed: [signature]
Print Name: DAVID G. SMITH, Administrator
Division: Forestry and Wildlife
Date: Aug 20, 2020

Attachments
Cc: Central Files

DAVID Y. IGE
GOVERNOR OF HAWAII

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA
FIRST DEPUTY

M. KALEO MANUEL
DEPUTY DIRECTOR - WATER

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

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF FORESTRY AND WILDLIFE
1151 PUNCHBOWL STREET, ROOM 325
HONOLULU, HAWAII 96813

August 13, 2020

MEMORANDUM *Log no. 2754*

TO: RUSSELL Y. TSUJI, Administrator
Land Division

FROM: DAVID G. SMITH, Administrator DGS
Division of Forestry and Wildlife

SUBJECT: Division of Forestry and Wildlife Comments for Pre-Assessment Consultation for Draft Environmental Assessment

The Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW) has received your inquiry regarding review of the Pre-Assessment Consultation for the Draft Environmental Assessment for Waikele Elementary School's new classroom building in Waipahu on Oʻahu, Hawaiʻi, TMK: (1) 9-4-007:069. The proposed project consists of constructing a two-story building comprised of six new classrooms, an electrical room, mechanical room, restroom and IT room on 0.43 acres of previously developed land.

DOFAW recommends minimizing the movement of plant or soil material between worksites, such as in fill. Soil and plant material may contain invasive fungal pathogens, vertebrate and invertebrate pests (e.g. Little Fire Ants, Coconut Rhinoceros Beetles), or invasive plant parts that could harm our native species and ecosystems. We recommend consulting the Oʻahu Invasive Species Committee at (808) 266-7994 in planning, design, and construction of the project to learn of any high-risk invasive species in the area and ways to mitigate spread. All equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species.

DOFAW recommends using native plant species for landscaping that are appropriate for the area (i.e. climate conditions are suitable for the plants to thrive, historically occurred there, etc.). Please do not plant invasive species. DOFAW recommends consulting the Hawaiʻi-Pacific Weed Risk Assessment website to determine the potential invasiveness of plants proposed for use in the project (https://sites.google.com/site/weedriskassessment/home). We recommend that you refer to www.plantpono.org for guidance on selection and evaluation for landscaping plants.

The State listed Hawaiian Hoary Bat or ʻŌpeʻapeʻa (*Lasiurus cinereus semotus*) has the potential to occur in the vicinity of the project area and may roost in nearby trees. If any site clearing is required this should be timed to avoid disturbance during the bat birthing and pup rearing season

(June 1 through September 15). If this cannot be avoided, woody plants greater than 15 feet (4.6 meters) tall should not be disturbed, removed, or trimmed without consulting DOFAW.
We note that artificial lighting can adversely impact seabirds that may pass through the area at night by causing disorientation. This disorientation can result in collision with manmade artifacts or grounding of birds. For nighttime lighting that might be required, DOFAW recommends that all lights be fully shielded to minimize impacts. Nighttime work that requires outdoor lighting should be avoided during the seabird fledging season from September 15 through December 15. This is the period when young seabirds take their maiden voyage to the open sea. For illustrations and guidance related to seabird-friendly light styles that also protect the dark, starry skies of Hawai‘i please visit: https://dlnr.hawaii.gov/wildlife/files/2016/03/DOC439.pdf.

We appreciate your efforts to work with our office for the conservation of our native species. Should the scope of the project change significantly, or should it become apparent that threatened or endangered species may be impacted, please contact our staff as soon as possible.

If you have any questions, please contact Lauren Taylor, Protected Species Habitat Conservation Planning Coordinator at (808) 587-0010 or lauren.tavlor@hawaii.gov.

DAVID Y. IGE
GOVERNOR OF HAWAII

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

August 07, 2020

LD 717

MEMORANDUM

TO: **DLNR Agencies:**
___Div. of Aquatic Resources
___Div. of Boating & Ocean Recreation
_X_Engineering Division *(via email: DLNR.Engr@hawaii.gov)*
_X_Div. of Forestry & Wildlife *(via email: Rubyrosa.T.Terrago@hawaii.gov)*
___Div. of State Parks
_X_Commission on Water Resource Management *(via email: DLNR.CWRM@hawaii.gov)*
___Office of Conservation & Coastal Lands
_X_Land Division – Oahu District *(via email: DLNR.Land@hawaii.gov)*
_X_Historic Preservation *(via email: DLNR.Intake.SHPD@hawaii.gov)*

FROM: Russell Y. Tsuji, Land Administrator *Russell Tsuji*
SUBJECT: **Pre-Assessment Consultation for Draft Environmental Assessment**
Waikele Elementary School New Classroom Building
LOCATION: Waipahu, Island of Oahu; TMK: (1) 9-4-007:069 (por.)
APPLICANT: **PBR Hawaii on behalf of the State of Hawai'i Department of Education**

Transmitted for your review and comment is information on the above-referenced subject. Please submit any comments via email to the Land Division at DLNR.Land@hawaii.gov, copied to barbara.j.lee@hawaii.gov and darlene.k.nakamura@hawaii.gov, by **August 13, 2020.**

If no response is received by the above date, we will assume your agency has no comments. Should you have any questions about this request, please contact Barbara Lee directly at barbara.j.lee@hawaii.gov. Thank you.

( ) We have no objections.
(☑) We have no comments at this time.
( ) Comments are attached.

Signed: BC
Print Name: Patti E. MIyashiro
Division: Land Division - ODLO
Date: 08/07/2020

Attachments
Cc: Central Files

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ANN MIKIKO BOUSLOG, PhD
Project Director

RAMSAY R. M. TAUM
Cultural Sustainability Planner

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Senior Associate

GRACE ZHENG, ASLA, LEED® GA, SITES® AP
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BRIAN WOLF, ASLA, LEED® AP
Senior Associate

BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Mr. Russell Y. Tsuji, Land Administrator
Department of Land and Natural Resources
Land Division
State of Hawai‘i
P.O. Box 621
Honolulu, HI 96809

Attn: Carty S. Chang, Chief Engineer, Engineering Division;
David G. Smith, Administrator, Division of Forestry and Wildlife;
Patti E. Miyashiro, Land Division – O‘ahu District

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI‘I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Tsuji,

Thank you for your letter dated August 20, 2020 (reference code: LD 717) regarding the subject project. As the planning sub-consultant for the State of Hawai‘i Department of Education (DOE), we acknowledge your Department’s comments and offer the following responses.

Engineering Division

We acknowledge the information provided regarding the rules and regulations of the National Flood Insurance Program (NFIP), local community flood ordinances, and related resources. The Draft EA will include a map and discussion of the project’s Flood Hazard Zone, as designated on the FEMA Flood Insurance Rate Maps.

In addition, the Draft EA will include a discussion of water demands and required infrastructure to meet the needs of the subject project. We acknowledge your comments regarding the resource development charge and Water Facilities Charges for transmission and daily storage. When available, water demands and calculations will be provided to the DLNR Engineering Division to be included in the State Water Projects Plan Update projections.

Division of Forestry and Wildlife

We acknowledge your recommendations regarding minimizing the movement of plant or soil material in the construction of the subject project as well as consultation with the O‘ahu Invasive Species Committee. While some ground disturbance will be necessary for construction and new landscaping related to the new classroom building, plant and soil movement will be minimized where possible and excess soil and debris will be removed from all equipment, materials, and personnel to avoid the risk of spreading invasive species.

We acknowledge the information provided regarding the Hawai'i-Pacific Weed Risk Assessment website as well as the information provided at www.plantpono.org. New landscaping for the subject project will incorporate native plant species where appropriate and practicable for the intended uses of the new classroom building as well as the surrounding climate conditions.

We acknowledge your comments regarding the potential occurrence of the Hawaiian Hoary Bat and seabirds in the vicinity of the project site as well as the recommended mitigation measures. The Draft EA will discuss the potential presence of these and any other state or federally listed species in the vicinity of the project site as well as any mitigation measures required for the subject project.

Land Division

We acknowledge that the Land Division has no comments to offer on the subject project at this time.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

DAVID Y. IGE
GOVERNOR

KENNETH S. HARA
MAJOR GENERAL
ADJUTANT GENERAL

STEPHEN F. LOGAN
COLONEL
DEPUTY ADJUTANT GENERAL

STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
3949 DIAMOND HEAD ROAD
HONOLULU, HAWAII 96816-4495

July 16, 2020

PBR Hawaii & Associates
Attention: Brittany Wheatman
1001 Bishop Street, Suite 650
Honolulu, Hawai'i 96813-3484

Dear Ms. Wheatman:

Subject: Pre-Assessment Consultation for a HRS Chapter 343 Environmental Assessment – Waikele Elementary School, New Classroom Building, Waipahu, Hawai'i, TMK (1) 9-4-007:069 (POR.)

Thank you for the opportunity to comment on the above project. The State of Hawaii Department of Defense has no comments to offer relative to the project.

If you have any questions or concerns, please have your staff contact Mr. Wade Ishii, Assistant Chief Engineering Officer at (808) 369-3484.

Sincerely,

Wade T. Ishii

Wade T. Ishii, P.E.
Assistant Chief Engineering Officer

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Cultural Sustainability Planner

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Senior Associate

BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Mr. Wade T. Ishii, P.E., Assistant Chief Engineering Officer
Department of Defense
Office of the Adjutant General
State of Hawai'i
3949 Diamond Head Road
Honolulu, HI 96816-4495

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Ishii,

Thank you for your letter dated July 16, 2020 regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge the Department of Defense has no comments to offer relative to the subject project.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DAVID Y. IGE
GOVERNOR

JADE T. BUTAY
DIRECTOR

Deputy Directors
LYNN A.S. ARAKI-REGAN
DEREK J. CHOW
ROSS M. HIGASHI
EDWIN H. SNIFFEN

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

IN REPLY REFER TO:
DIR 0608
STP 8.2961

July 13, 2020

Ms. Brittany Wheatman
Planner
PBR Hawaii & Associates, Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813

Dear Ms. Wheatman:

Subject: Pre-Assessment Consultation for Draft Environmental Assessment
Waikele Elementary School New Classroom Building
Waipahu, Oahu, Hawaii
Tax Map Key: (1) 9-4-007:069 (Por.)

The State of Hawaii, Department of Transportation (HDOT) understands the State of Hawaii Department of Education is proposing to replace temporary classroom structures with a new two-story building to provide space for six new classrooms and supporting spaces. The design of the project is intended to address the current needs and is not to increase the student population at the school.

Based on the information provided and the location of the school, HDOT does not anticipate the project would have any direct, indirect, construction or operational impact to HDOT highways. HDOT has no further comments at this time.

If there are any questions, please contact Mr. Blayne Nikaido of the HDOT Statewide Transportation Planning Office at (808) 831-7979 or via email at blayne.h.nikaido@hawaii.gov.

Sincerely,

JADE T. BUTAY
Director of Transportation

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Associate

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Associate

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January 14, 2021

Mr. Jade T. Butay, Director
Department of Transportation
State of Hawai'i
869 Punchbowl Street
Honolulu, HI 96813-5097

Attn: Blayne Nikaido, Statewide Transportation Planning Office

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Butay,

Thank you for your letter dated July 13, 2020 (reference code: DIR 0608 STP 8.2961), regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge your comments that the State of Hawai'i, Department of Transportation (HDOT) does not anticipate any direct, indirect, construction or operational impacts to HDOT highways as a result of the subject project.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 768-4567
Web site: www.honolulu.gov

KIRK CALDWELL
MAYOR

MARK YONAMINE, P.E.
DIRECTOR

HAKU MILLES, P.E.
DEPUTY DIRECTOR

September 28, 2020

PBR Hawaii & Associates, Inc.
ATTN: Brittany Wheatman
1001 Bishop Street, Suite 650
Honolulu, HI 96813-3484

Dear Ms. Wheatman,

Subject: Pre-Assessment Consultation for a HRS Chapter 343 Environmental Assessment- Waikele Elementary School New Classroom Building Waipahu, Hawaii, TMK: (1) 9-4-007:069 (por.)

Thank you for the opportunity to review and comment. We apologize for this late response. The Department of Design and Construction does not have any comments at this time.

Should you have any further questions, please contact me at 768-8480.

Sincerely,

Mark Yonamine, P.E
Director

MY:ms (815185)

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SELENA PANG
Associate

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January 14, 2021

Mr. Alex Kozlov, P.E., Director
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, HI 96813

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Kozlov,

Thank you for your letter dated September 28, 2020 regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge the Department of Design and Construction has no comments to offer on the subject project at this time.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DEPARTMENT OF FACILITY MAINTENANCE

CITY AND COUNTY OF HONOLULU

1000 Ulu`ohia Street, Suite 215, Kapolei, Hawaii 96707
Phone: (808) 768-3343 • Fax: (808) 768-3381
Website: www.honolulu.gov

KIRK CALDWELL
MAYOR

ROSS S. SASAMURA, P.E.
DIRECTOR AND CHIEF ENGINEER

EDUARDO P. MANGLALLAN
DEPUTY DIRECTOR

IN REPLY REFER TO:
DRM 20-348

July 13, 2020

Ms. Brittany Wheatman
PBR Hawaii & Associates, Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813-3484

Dear Ms. Wheatman:

Subject: Pre-Assessment Consultation for Chapter 343, HRS Environmental Assessment for the Waikele Elementary School New Classroom Building, TMK: (1) 9-4-007:069 (POR.)

Thank you for the opportunity to review and comment on the subject project.

- During construction and upon completion of the project; any damages/deficiencies to the roadways on Kukula Street shall be repaired to City standards and accepted by the City at no cost to the City and County of Honolulu.

If you have any questions, please call Mr. Kyle Oyasato of the Division of Road Maintenance at 768-3697.

Sincerely,

for Ross S. Sasamura, P.E.
Director and Chief Engineer

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January 14, 2021

Dr. Roger Babcock, Jr., P.E., Director and Chief Engineer
Department of Facility Maintenance
City and County of Honolulu
1000 Ulu'ohia Street, Suite 215
Kapolei, HI 96707

Attn: Mr. Kyle Oyasato, Division of Road Maintenance

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Dr. Babcock,

Thank you for your letter dated July 13, 2020 (reference code: DRM 20-348), regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge your comments and offer the following response.

Any damages/deficiencies to the City-owned roadways on Kukula Street resulting from the construction of the subject project will be repaired to City standards and accepted by the City at no cost to the City and County of Honolulu.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
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KATHY K. SOKUGAWA
ACTING DIRECTOR

TIMOTHY F. T. HIU
DEPUTY DIRECTOR

EUGENE H. TAKAHASHI
DEPUTY DIRECTOR

July 30, 2020 2020/ELOG-1284(MT)

Ms. Brittany Wheatman
PBR Hawaii & Associates Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813

Dear Ms. Wheatman:

SUBJECT: Request for Comments
Pre-Draft Environmental Assessment Consultation
New Classroom Building Waikele Elementary School (Project)
94-1035 Kukula Street - Waipahu
Tax Map Key 9-4-007: 069

This letter responds to your request received July 2, 2020, for preliminary comments on the future Draft Environmental Assessment for the construction of a new two-story structure with six new classrooms for Waikele Elementary School. The six-acre parcel is located within the R-5 Residential District and Flood Zone D. You indicate the classroom building is being designed to address the existing student needs and not to increase the student enrollment capacity. The Department of Planning and Permitting has no comment at this time. We may have comments for the Draft Environmental Assessment when more detailed plans and a Project narrative are provided.

Please contact Mark Taylor, of our Urban Design Branch, at 768-8020 if you have any questions.

Very truly yours,

for Kathy K. Sokugawa
Acting Director

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Honolulu, Hawai'i 96813-3484
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Cultural Sustainability Planner

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BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Mr. Dean Uchida, Director
Department of Planning and Permitting
City and County of Honolulu
650 South King Street, 7th Floor
Honolulu, HI 96813

Attn: Mark Taylor, Urban Design Branch

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Uchida,

Thank you for your letter dated July 30, 2020 (reference code: 2020/ELOG-1284(MT)) regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge the Department of Planning and Permitting (DPP) has no comments to offer on the subject project at this time; however, it is acknowledged that DPP may have comments on the Draft Environmental Assessment (EA).

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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DEPARTMENT OF PARKS & RECREATION

CITY AND COUNTY OF HONOLULU

1000 Uluohia Street, Suite 309, Kapolei, Hawaii 96707
Phone: (808) 768-3003 • Fax: (808) 768-3053
Website: www.honolulu.gov

KIRK CALDWELL
MAYOR

MICHELE K. NEKOTA
DIRECTOR

JEANNE C. ISHIKAWA
DEPUTY DIRECTOR

August 17, 2020

Ms. Brittany Wheatman
PBR & Associates, Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813

Dear Ms. Wheatman:

SUBJECT: Environmental Assessment-Pre-Assessment Consultation
Waikele Elementary School New Classroom Building
Tax Map Key 9-1-007:069 (POR)

Thank you for the opportunity to review and comment at the pre-consultation stage of the Environmental Assessment for the new classroom building at Waikele Elementary School.

The Department of Parks and Recreation has no comment and as the proposed project will have no impact on any Department facility or program, you may to remove us a consulted party to the remaining of the EIS process.

Should you have any questions, please contact Mr. John Reid, Planner at 768-3017.

Sincerely,

Michele K. Nekota
Director

MKN:jr
(818280)

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Executive Vice-President / Principal

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Project Director

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Cultural Sustainability Planner

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NATHALIE RAZO
Senior Associate

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Senior Associate

BRIAN WOLF, ASLA, LEED® AP
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BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Ms. Laura Thielen, Director
Department of Parks and Recreation
City and County of Honolulu
1000 Uluohia Street, Suite 309
Kapolei, HI 96707

Attn: John Reid, Planner

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Ms. Thielen,

Thank you for your letter dated August 17, 2020 (reference code: MKN:jr (818280)) regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge the Department of Parks and Recreation (DPR) has no comments to offer as the subject project will not impact Department facilities or programs. The DPR will be removed as a consulted party for the remainder of the EA process.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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HONOLULU FIRE DEPARTMENT

CITY AND COUNTY OF HONOLULU

636 South Street
Honolulu, Hawaii 96813-5007
Phone: 808-723-7139 Fax: 808-723-7111 Internet: www.honolulu.gov/hfd

KIRK CALDWELL
MAYOR

MANUEL P. NEVES
FIRE CHIEF

LIONEL CAMARA JR.
DEPUTY FIRE CHIEF

July 9, 2020

Ms. Brittany Wheatman, Planner
PBR HAWAII & Associates, Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813-3484

Dear Ms. Wheatman:

Subject: Preconsultation for Environmental Assessment for a New Classroom Building
Waikele Elementary School
94-1035 Kukula Street
Waipahu, Hawaii 96797
Tax Map Key: 9-4-007: 069 (por.)

In response to your letter dated June 30, 2020, regarding the abovementioned subject, the Honolulu Fire Department (HFD) reviewed the submitted information and requires that the following be complied with:

1. Fire department access roads shall be provided such that any portion of the facility or any portion of an exterior wall of the first story of the building is located not more than 150 feet from fire department access roads as measured by an approved route around the exterior of the building or facility. National Fire Protection Association [NFPA] 1; 2012 Edition, Sections 18.2.3.2.2 and 18.2.3.2.2.1.)

   A fire department access road shall extend to within 50 feet of at least one exterior door that can be opened from the outside and that provides access to the interior of the building. (NFPA 1; 2012 Edition, Section 18.2.3.2.1.)

2. A water supply approved by the county, capable of supplying the required fire flow for fire protection, shall be provided to all premises upon which facilities or buildings, or portions thereof, are hereafter

constructed, or moved into or within the county. When any portion of the facility or building is in excess of 150 feet from a water supply on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains capable of supplying the required fire flow shall be provided when required by the AHJ [Authority Having Jurisdiction]. (NFPA 1; 2012 Edition, Section 18.3.1, as amended.)

3. The unobstructed width and unobstructed vertical clearance of a fire apparatus access road shall meet county requirements. (NFPA 1; 2012 Edition, Sections 18.2.3.4.1.1 and 18.2.3.4.1.2, as amended.)

4. Submit civil drawings to the HFD for review and approval.

Should you have questions, please contact Battalion Chief Wayne Masuda of our Fire Prevention Bureau at 723-7151 or wmasuda@honolulu.gov.

Sincerely,

JASON SAMALA
Assistant Chief

JS/WM:gl

CELEBRATING
50 YEARS

PBR HAWAII & Associates, Inc
1001 Bishop Street, Suite 650
Honolulu, Hawai'i 96813-3484
Tel: (808) 521-5631
Fax: (808) 523-1402
E-mail: sysadmin@pbrhawaii.com

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President / Principal

RUSSELL Y. J. CHUNG, FASLA, LEED® AP BD+C
Executive Vice-President / Principal

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BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

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January 14, 2021

Mr. Jason Samala, Assistant Chief
Honolulu Fire Department
City and County of Honolulu
636 South Street
Honolulu, HI 96813

Attn: Battalion Chief Wayne Masuda

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Samala,

Thank you for your letter dated July 9, 2020, regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge your comments and provide the following response.

1. The proposed new classroom building will comply with requirements regarding fire department access roads (National Fire Protection Association [NFPA] 1; 2012 Edition, Sections 18.2.3.2.2, 18.2.3.2.2.1, and 18.2.3.2.1).

2. The proposed new classroom building will provide an adequate, county-approved water supply for the required fire flow for fire protection (NFPA 1; 2012 Edition, Section 18.3.1, as amended).

3. The proposed new classroom building will comply with requirements regarding the unobstructed width and vertical clearance of fire apparatus access roads (NFPA 1; 2012 Edition, Sections 18.2.3.4.1.1 and 18.2.3.4.1.2, as amended).

4. Civil drawings will be submitted to the Honolulu Fire Department (HFD) for review and approval at the appropriate stage in the development process.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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POLICE DEPARTMENT

CITY AND COUNTY OF HONOLULU

801 SOUTH BERETANIA STREET · HONOLULU, HAWAII 96813
TELEPHONE: (808) 529-3111 · INTERNET: www.honolulupd.org

KIRK CALDWELL
MAYOR

SUSAN BALLARD
CHIEF

JOHN D. McCARTHY
CLYDE K. HO
DEPUTY CHIEFS

OUR REFERENCE EO-DK

July 16, 2020

Ms. Brittany Wheatman, Planner
PBR HAWAII & Associates, Inc.
1001 Bishop Street, Suite 650
Honolulu, Hawaii 96813-3484

Dear Ms. Wheatman:

This is in response to your letter of June 30, 2020, requesting comments on the Pre-Consultation, Draft Environmental Assessment, for the proposed additional classrooms for Waikele Elementary School located at 94-1035 Kukula Street in Waipahu.

The Honolulu Police Department (HPD) anticipates short-term impacts to vehicular traffic around the project area. The HPD recommends that all necessary signs, lights, barricades, and other safety equipment be installed and maintained by the contractor during the construction phase of the project.

If there are any questions, please call Acting Major Gordon Lum Kee of District 3 (Pearl City) at 723-8803.

Thank you for the opportunity to review this project.

Sincerely,

ALLAN T. NAGATA
Assistant Chief of Police
Support Services Bureau

CELEBRATING
50 YEARS

PBR HAWAII & Associates, Inc
1001 Bishop Street, Suite 650
Honolulu, Hawai'i 96813-3484
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E-mail: sysadmin@pbrhawaii.com

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BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

printed on recycled paper

January 14, 2021

Mr. Allan T. Nagata, Assistant Chief of Police
Honolulu Police Department
City and County of Honolulu
801 South Beretania Street
Honolulu, HI 96813

Attn: Acting Major Gordon Lum Kee, District 3 (Pearl City)

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Nagata,

Thank you for your letter dated July 16, 2020 (your reference code EO-DK), regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge your comments and provide the following response.

We acknowledge that the Honolulu Police Department anticipates short-term impacts to vehicular traffic around the project area. These short-term traffic impacts will be discussed in the Draft Environmental Assessment (EA). Safety equipment, including any necessary signs, lights, and barricades, will be implemented by the contractor as needed during the construction phase.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

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From:	Mayorga, Guillermo
To:	Brittany Wheatman
Subject:	Waikele Elementary Review and comment.
Date:	Monday, August 3, 2020 9:28:25 AM
Attachments:	image001.png TRANSMITTAL WAikele Elementary.pdf Contractor Notes.pdf Waikele Elementary Review leeter .pdf Waikele Elementary -Layout1.pdf

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Ms. Brittany Wheatman,
Good Morning. Thank you for the opportunity to review and comment on this project.
Attached you will find the necessary response documents to the review and comment request by PBR Hawaii.

If you may have any questions or concerns, please do not hesitate to contact me at any of the numbers below.

Thank you and have a safe and bless day !!

Guillermo Mayorga
808-625-8576 (Office)
808-224-4801 (cell)
Guillermo.Mayorga@chartercom

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DATE: 08/03/2020

PBR HAWAII

Attn: Brittany Wheatman
Subject: *WAIKELE ELEMENTARY*

Dear Brittany Wheatman,

The locations of existing routes and crossings were not shown on the provided plans. Therefore, SPECTRUM is submitting drawings with information of our facilities within the project area. Please note these drawings are to be used as a reference only. The exact locations, and routing of all CATV facilities must be verified in the field due to construction variances.
The location of the proposed repairs will not have an effect on Spectrum's existing CATV plant in your work area.

At this time, Spectrum utilize an underground infrastructure and in some cases we may share the underground infrastructure with Hawaiian Telcom's (HTCO). The sections of this project that is highlighted in your scope of work, may conflict with existing CATV facilities and have been **marked in red** on the enclosed set of plans.

This information has been provided to help minimize delays and prevent damage to existing CATV structures within the project area. Should you have any questions or concerns, please feel free to contact me at 808-224-4801, 808-625-8576, or email me at Guillermo.Mayorga@charter.com

Sincerely,

Guillermo Mayorga

Guillermo Mayorga
Construction Coordinator

GENERAL CONTRACTOR'S NOTES:

1. ***THE CONTRACTOR SHALL PROCURE AND PAY FOR ALL LICENSES AND PERMITS AND SHALL GIVE ALL NOTICES NECESSARY AND INCIDENT TO THE DUE AND LAWFULL PROSECUTION OF THE WORK.***

2. ***THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THEIR LOCATIONS AND SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THESE UTILITIES AS A RESULT OF HIS OPERATIONS. ADJUSTMENTS TO THE NEW DUCTLINE ALIGNMENT, IF REQUIRED, SHALL BE MADE TO PROVIDE THE REQUIRED CLEARANCES.***

3. ***THE CONTRACTOR SHALL BRACE ALL POLES OR LIGHT STANDARDS NEAR THE NEW DUCTLINE, MANHOLE OR HANDHOLE DURING ITS OPERATIONS.***

4. ***THE CONTRACTOR SHALL SAW-CUT A.C. PAVEMENT, CONCRETE GUTTER, AND CONCRETE SIDEWALK WHEREVER NEW MANHOLES, HANDHOLES, PULLBOXES OR DUCTLINES ARE TO BE PLACED AND SHALL RESTORE TO EXISTING CONDITION OR BETTER.***

5. ***THE UNDERGROUND PIPES, CABLES, OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREAS. WHEREVER CONNECTIONS OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.***

6. ***THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE COST FOR SUPLEMENTARY MEASURES, WHICH WILL BE REQUIRED BY THE CITY AND COUNTY, SHALL BE BORNE BY THE CONTRACTOR.***

7. ***PRIOR TO THE EXCAVATION OF THE DUCTLINE, THE CONTRACTORSHALL REQUEST THAT OCEANIC CABLE COMPANY TO LOCATE EXISTING DUCTLINE WHEREVER REQUIRED.***

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COMMUNICATIONS

8. ***THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTION NOT TO DAMAGE EXISTING CABLES OR DUCTS. ANY WORK INVOLVING EXISTING CABLES OR DUCTS SHALL BE DONE IN THE PRESENCE OF THE OCEANIC CABLE COMPANY INSPECTOR OR HIS REPRESENTATIVE. TEMPORARY CABLE AND DUCT SUPPORT SHALL BE PROVIDED WHEREVER NECESSARY.***

9. ***THE CONTRACTOR SHALL NOTIFY THE OCEANIC CABLE COMPANY INSPECTOR 72 HOURS PRIOR TO THE START OF WORK ON CATV INFRASTRUCTURE, POURING CONCRETE, OR BACKFILLING. OCEANIC'S INSPECTOR(S): PERRY SAMUELU AT 387-2496 OR PAUL CASPILLO AT 479-1637.***

10. ***WHEREVER CONNECTIONS TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES PRIOR TO EXCAVATION OF THE MAIN TRENCHES TO VERIFY THEIR LOCATIONS AND DEPTHS.***

11. ***CONTRACTOR SHALL PROVIDE ALL MATERIALS AND FURNISH ALL LABOR AND EQUIPMENT NECESSARY TO INSTALL THE DUCTLINE IN PLACE COMPLETE.***

12. ***THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT ALL REQUIRED LINES AND GRADES AND SHALL PRESERVE ALL BENCH MARKS AND WORKING POINTS NECESSARY TO LAY OUT THE WORK CORRECTLY. THE NEW DUCTLINE SHALL BE ADJUSTED BY THE CONTRACTOR TO SUIT THE EXISTING CONDITIONS AND THE DETAILS AS DESCRIBED IN THE PLANS.***

13. ***THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE OF HAWAII, DEPARTMENT OF HEALTH.***

14. ***THE LOCATION OF CATV FACILITIES SHOWN ON PLANS ARE FROM EXISTING RECORDS WITH VARYING DEGREES OF ACCURACY AS TO ITS ACTUAL FIXED LOCATION. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN CLOSE PROXIMITY OF CATV FACILITIES.***

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15. ***THE CONTRACTOR SHALL OBTAIN EXCAVATION PERMIT CLEARANCE FROM OCEANIC'S ENGINEERING SECTION LOCATED AT 200 AKAMAINUI ST., MILILANI TECH PARK.***

16. ***FOR ANY FIELD ASSISTANCE OR VERIFICATION OF CATV FACILITIES, THE CONTRACTORSHALL CALL OCEANIC CABLE AT 625-2100 AND ASK FOR THE OSP ENGINEERING DEPARTMENT.***

17. ***ANY WORK REQUIRED TO RELOCATE CATV FACILITIES SHALL BE DONE BY OCEANIC CABLE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIREMENTS AND ASSOCIATED COSTS.***

18. ***ANY DAMAGE TO OCEANIC'S FACILITIES SHALL BE REPORTED TO OCI'S CUSTOMER CARE – DISPATCH LINE AT 625-8185.***

19. ***THE CONTRACTOR SHALL TUNNEL UNDER EXISTING CONCRETE CURB AND GUTTER AS NECESSARY TO EXTEND CONDUIT INTO EXISTING CATV PULLBOX AND INTO THE PROPOSED POWER SUPPLY PULLBOX.***

20. ***ALL EXISTING IMPROVEMENTS THAT ARE DISTURBED DURING THE CONSTRUCTION PHASE SHALL BE RESTORED TO ITS ORIGINAL OR BETTER CONDITION AT NO COST TO THE CITY IN ACCORDANCE WITH CITY'S STANDARDS.***

21. ***AT LOCATIONS WHERE EXISTING CATV PULLBOX REPLACEMENT IS PROPOSED, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTION NOT TO DAMAGE THE EXISTING CABLES IN THE PULLBOX. ALL DAMAGES TO EXISTING CABLES SHALL BE REPAIRED BY OCEANIC CABLE AND PAID FOR BY THE CONTRACTOR.***

22. ***COORDINATE ALL PENETRATION OF TELEPHONE PULLBOXES WITH HAWAIIAN TEL INSPECTOR.***

23. ***SMOOTH FINISH INSIDE WALL OF EXISTING PULLBOXES AND HAND-HOLES TO ITS ORIGINAL CONDITION OR BETTER.***

24. ***ALL NEW CONCRETE ENCASED CONDUIT SHALL BE PVC PIPE-SCHEDULE 40. ALL NEW DIRECT-BUIRED CONDUIT SHALL BE PVC PIPE-SCHEDULE 80. USE OF ANY OTHER MATERIAL TYPE (GTS, ETC.) SHALL BE LIMITED TO MATCHING EXISTING FACILITES. CONNECTION OF DISSIMILAR MATERIALS TO REQUIRE APPROVAL FROM OTWC INSPECTOR AND ENGINEERING DEPT.***

25. ***THE CONTRACTOR SHALL PLACE POLY CORD THROUGHOUT PROJECT, AND SECURE IN MANHOLES, HANDHOLES, AND PULLBOXES.***

26. ***FOR 3" CONDUITS OR LARGER, THE CONTRACTOR SHALL INSTALL NEPTCO WP1800 MULETAPE OR APPROVED EQUAL IN ALL DUCTLINES, LEAVE MULETAPE IN PLACE FOR FUTURE USE AS A PULL OR FISH LINE, UNLESS OTHERWISE NOTED. REFERENCE GTE MATERIAL CODE NO. 571154. ALL DUCTS SHALL BE CAPPED TO PREVENT ENTRY OF FOREIGN MATERIAL DURING CONSTRUCTION AND AT COMPLETION OF INSTALLATION. ENDBELLS ARE REQUIRED FOR CONDUITS 2" AND LARGER.***

27. ***PENETRATION INTO PULLBOXES IF NECESSARY TO BE FROM FACTORY INSTALLED OPENING OR FROM BRICKS POSITION. PENETRATION FROM PULLBOX WALLS IS NOT ACCEPTABLE.***

28. ***BENDS IN THE DUCT ALIGNMENT, DUE TO CHANGES IN GRADE SHALL HAVE A MINIMUM RADIUS OF 20-FEET. ALL 90-DEGREE C-BENDS AT A POLE OR AT THE BUILDING FLOOR SLAB PENETRATION, SHALL HAVE A BEND RADIUS OF 10 TIMES THE DIAMETER OF THE DUCT OR GREATER.***

29. ***MINIMUM LENGTH OF CONDUIT USED SHALL NOT BE LESS THAN 5-FEET IN LENGTH. USE OF PARTIAL CONDUIT SECTIONS ALLOWABLE IS AT OTWC INSPECTOR(S) DISCRETION.***

30. ***ALL CONDUITS SHALL ENTER THROUGHT THE END "SHORT WALL" OF THE PULL-BOX. ENTRY SHALL BE AT 90 DEGRESS (PERPENDICULAR) TO WALL FACE WITH BENDS NO LESS THAN 12" FROM EXTERIOR WALL.***

31. ***A MINIMUM OF (2) PRECAST SECTIONS MUST BE USED ON ALL 2X4 OR 2X6 PULLBOXES.***

32. ***ALL NEW CONSTRUCTION SHALL UTILIZE CONCRETE PRECAST BASE UNLESS OTHERWISE APPROVED OR SPECIFIED BY OTWC INSPECTOR(S).***

33. ***WHEN THREE (3) OR MORE 4" CONDUITS ENTER ONE END WALL OF ANY PULLBOX, ONLY BRICK BASES WILL BE ALLOWED UNLESS OTHERWISE INSTRUCTED/APPROVED BY OTWC INSPECTOR(S).***

34. ***TWO MINIMUM LAYERS OF BRICKS TO BE USED LOWER THAN THE LOWEST DUCT ENTERING THE PULLBOX. TOP LAYER OF BRICK TO BE FLUSH WITH TOP OF CONDUIT OR HIGHER.***

35. ***FOR UPGRADE/REPAIRS TO EXISTING PULL-BOXES, BRICKS MAY BE USED AND SHALL ALWAYS BE AT LEAST TWO LAYERS LOWER THAN THE LOWEST DUCT ENTERING THE PULLBOX.***

36. ***AT NO TIME SHALL CEMENT MORTAR, WOOD, OR ANY OTHER MATERIAL BE USED BETWEEN PRECAST SECTIONS.***

37. ***LEVELING OR RAISING OF BOXES TO GRADE MUST BE DONE:***

    A. ***PRE-CAST BASE(S – USING GRAVEL LAYER UNDER BASE (TYPE 3B OR EQUIVALENT APPROVED BY OTWC INSPECTOR)***
    B. ***BRICK BASE(S) – ADJUSTMENTS TO BRICKWORK SECTION. THE PERMANENT INSTALLATION OF WOODEN WEDGES TO ACCOMPLISH THIS PURPOSE WILL NOT BE ACCEPTED.***

38. ***5/8" COPPER GROUND RODS SHALL BE PLACED IN ALL PULLBOXES UNLESS OTHERWISE DIRECTED BY OCEANIC TIME WARNER CABLE. GROUND RODS WILL BE PLACED IN THE CORNER 3" TO 4" FROM THE WALL AND AWAY FROM ANY CONDUIT WITH NO MORE THAN 8" STICKING UP ABOVE GROUND.***

39. ***TRENCHING TO BE BY HAND DIGGING NEAR AND ACROSS EXISTING UTILITY LINES.***

40. ***MINIMUM CLEARANCE BETWEEN STREET LIGHT STAND AND FIRE HYDRANTS SHALL BE THREE FEET.***

41. ***UNDERGROUND UTILITIES SHOWN HEREON IS FOR INFORMATION ONLY. NO GUARANTEE IS MADE ON THE ACCURACY OR COMPLETENESS OF SAID INSTALLATION.***

42. ***FOR UNDERGROUND CABLE LOCATING AND MARKING, FIVE WORKING DAYS ADVANCE NOTICE IS REQUIRED. THREE WORKING DAYS ADVANCE NOTICE IS REQUIRED FOR ANY INSPECTION BY A DESIGNATE REPRESENTATIVE. CONTRACTOR SHALL TAKE NECESSARY PRECAUTION NOT TO DAMAGE ANY EXISTING CABLES OR DUCTS. OCEANIC'S INSPECTOR OR DESIGNATED REPRESENTATIVE IS REQUIRED TO BE AT ANY JOB SITE WHENEVER THERE WILL BE A BREAKAGE INTO OR ENTRY INTO ANY STRUCTURE THAT CONTAIN OCEANIC'S FACILITIES.***

43. ***CONCRETE STRENGTH SHALL BE 3000 PSI IN 28 DAYS.***

44. ***CURING AND BACKFILLING. MAINTAIN CONCRETE IN A MOIST CONDITION FOR 24 HOURS MINIMUM FOR 3,000 PSI AND 48 HOURS MINIMUM FOR 2,500 PSI BEFORE COMPACTED. BACKFILLING: 72 HOURS MINIMUM BEFORE PERMITTING MOTOR TRAFFIC LOAD ON DUCTLINE. CURING METHOD SHALL MEET OCEANIC TWC INSPECTOR'S APPROVAL.***

45. ***INSTALL 4-MIL. THICK ORANGE COLOR WARNING TAPE 3-INCH WIDE ENTIRE LENGTH OF TRENCH WHEN PLACING CATV CONDUITS. TAPE SHOULD READ "CAUTION BURIED CABLE LINE BELOW". MANUFACTURED BY HARRIS INDUSTRIES, INC. CATALOG NUMBER UT-43 OR EQUIVALENT TAPE. TAPE TO BE INSTALLED 12-INCHES BELOW GRADE.***

46. ***AFTER DUCTLINE HAS BEEN COMPLETED, A MANDREL WITH A SQUARE FRONT NOT LESS THAN 12-INCH LONG AND HAVING A DIAMETER OF ¼-INCH LESS THAN THE INSIDE DIAMETER OF DUCT, SHALL BE PULLED THROUGH EACH DUCT AFTER WHICH A BRUSH WITH STIFF BRISTLES SHALL BE PULLED THROUGH TO MAKE CERTAIN THAT NO PARTICLES OF EARTH, SAND, OR GRAVEL HAVE BEEN LEFT INSIDE. DUCTS SHALL BE COMPLETELY DRY AND CLEAN.***

47. ***METALLIC ENTRANCE CONDUITS SHALL BE GROUNDED.***

48. ***ALL CONDUITS WITHIN A BUILDING SHALL:***

A) BE INSTALLED IN THE SHORTEST AND STRAIGHTEST POSSIBLE RUN.
B) HAVE NO SECTION LONGER THAN 100-FEET NOR CONTAIN MORE THAN TWO 90-DEGREE BENDS. AN APPROVED SIZED JUNCTION BOX OR GUTTER BOX SHALL BE PLACED IF THIS IS EXCEEDED.
C) ALL BENDS SHALL BE LONG SWEEP-RADIUS BENDS BUT THE INSIDE RADIUS OF THE BEND MUST NEVER BE LESS THAN TEN TIMES THE DIAMETER OF THE CONDUIT.

49. ***ALL CONSTRUCTION MUST BE INSPECTED AND APPROVED BY OCEANIC PRIOR TO THE INSTALLATION OF ANY OF ITS FACILITIES AND THE ENERGIZING OF ITS SYSTEM.***

50. ***CONTRACTOR AND/OR CUSTOMER SHALL PROVIDE OCEANIC WITH SUFFICIENT INSTALLATION TIME IN THEIR OCCUPANCY TIME TABLE.***

Charter COMMUNICATIONS
151 Palii St. Mililani, HI 96789
(808) 625- 2100

Transmittal

Date: 08/03/20

RE: PROJECT LOCATION/WORK ORDER

To: PBR HAWAII

Waikele Elementary
Waipahu, Hi.

Attention: *Brittany Wheatman*

We are sending you the following:

- ☐ Pole / Conduit Application
- ☐ Permit Applications
- ☐ Copy of Letter
- ☐ Preliminary / Final Drawings
- ☐ Return Prints
- ☒ Other

Copies	Sht / Appl. #	Description
1		CHARTER RESPONSE LETTER
1		CATV MAPS

The Above is transmitted:

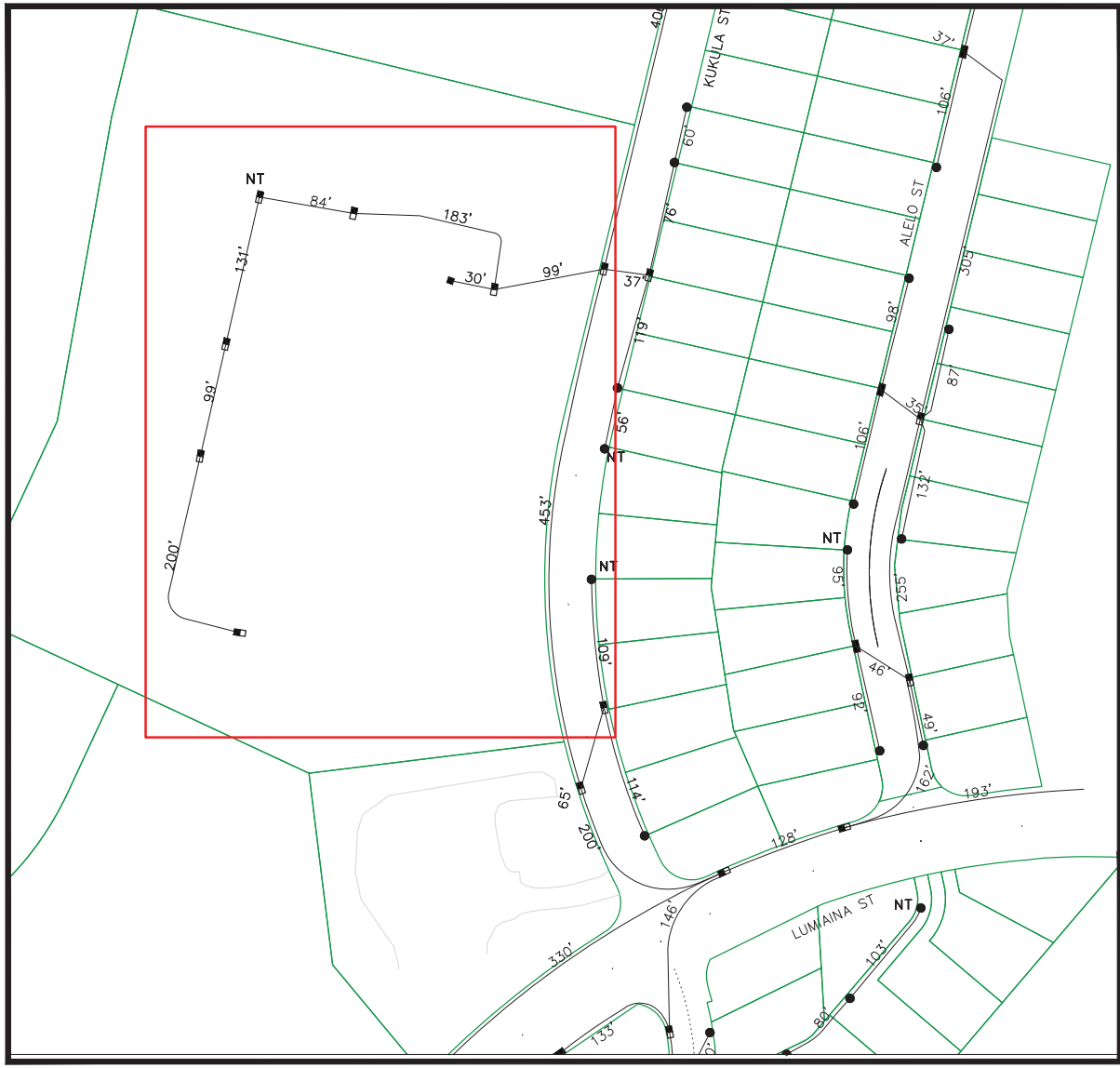
- ☐ For Your Approval
- ☐ For Review and Comment
- ☒ For Your Use / Records
- ☐ As Requested
- ☐ As Approved
- ☒ Other

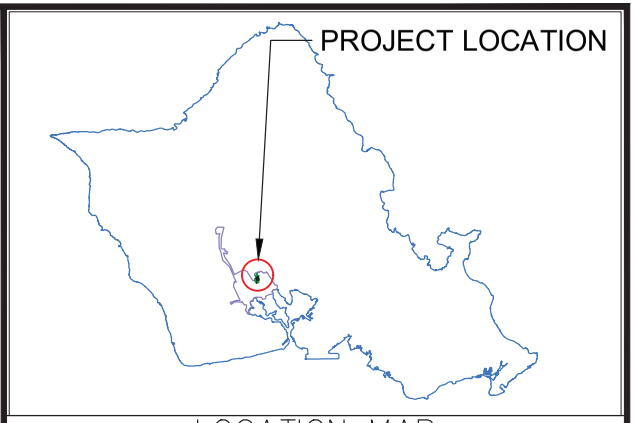
Comments / Remarks: **REVIEW AND COMMENT FOR JOB NO. Waikele Elementary**
IF YOU HAVE ANY COMMENTS OR QUESTIONS, PLEASE CONTACT ME AT:
GUILLERMO.MAYORGA@CHARTER.COM or 808-625-8576 808-224-4801 (cell)

cc: **LORI IHA**

Signed: GUILLERMO MAYORGA
Printed Engr/Title: **CONSTRUCTON COORDINATOR**

FILENAME : REVIEW AND COMMENT Waikele Elementary
PLOT SCALE: 1





LOCATION MAP
BRYAN'S MAP X, XX

ENGINEERING: G.MAYORGA TEL #625-8576, CELL #224-4801					
PROJECT NUMBER:	DATE TO CONSTRUCTION 08-03-20	ESTIMATED HOURS	DATE	DATE	DATE
REVIEW AND COMMENT					
SPLICING					
CONSTRUCTION					
MSR #:	COR #XXX	PAR #XXX		WAR #XXX	
CHANGE TICKET #:					
TOTAL COAX FOOTAGE: XXXX					
TOTAL FIBER FOOTAGE: XXXX					

NOTES:

ACCESS: POC, TEL #, SPECIFIC INSTRUCTIONS (ADVANCE NOTICE)
MISC: MANHOLE FILLED WITH WATER, TREE TRIMMING REQUIRED...
HT INSPECTOR REQUIRED, MINIMUM 5 DAYS ADVANCE NOTICE REQ'D.
OTHER REQUIRED INSPECTORS...

DESCRIPTION: ENTER YOUR JOB DESCRIPTION HERE
ENTER YOUR JOB DESCRIPTION HERE

W.O.#: N/A
SCALE: NTS
DRAWN BY: GM DATE: 08-03-20
DESIGNED BY: GM
ENGINEERED BY: GM
ENG. PHONE #: 808-625-8576

Spectrum

200 AKAMAINUI STREET
MILILANI, HI 96789-3999
PHONE # (808) 625-2100

CELEBRATING
50 YEARS

PBR HAWAII & Associates, Inc
1001 Bishop Street, Suite 650
Honolulu, Hawai'i 96813-3484
Tel: (808) 521-5631
Fax: (808) 523-1402
E-mail: sysadmin@pbrhawaii.com

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Associate Principal

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Associate Principal

ANN MIKIKO BOUSLOG, PhD
Project Director

RAMSAY R. M. TAUM
Cultural Sustainability Planner

MICAH McMILLEN, ASLA, LEED® AP
Senior Associate

NATHALIE RAZO
Senior Associate

GRACE ZHENG, ASLA, LEED® GA, SITES® AP
Senior Associate

BRIAN WOLF, ASLA, LEED® AP
Senior Associate

BLAINE ONISHI, ASLA
Associate

ETSUYO KILA
Associate

GREG NAKAI
Associate

SELENA PANG
Associate

printed on recycled paper

January 14, 2021

Mr. Guillermo Mayorga, Construction Coordinator
Charter Communications
Spectrum
Guillermo.mayorga@charter.com

SUBJECT: PRE-ASSESSMENT CONSULTATION FOR A HRS CHAPTER 343 ENVIRONMENTAL ASSESSMENT – WAIKELE ELEMENTARY SCHOOL NEW CLASSROOM BUILDING, WAIPAHU, HAWAI'I, TMK (1) 9-4-007:069 (POR.)

Dear Mr. Mayorga,

Thank you for your email dated August 3, 2020 regarding the subject project. As the planning sub-consultant for the State of Hawai'i Department of Education (DOE), we acknowledge your comments and provide the following responses.

1. We acknowledge your comment that the location of the subject project will not have an effect on Spectrum's existing CATV plant.

2. We greatly appreciate the set of plans showing the locations of existing CATV facilities. The exact locations and routing of CATV facilities will be verified prior to construction to avoid any impacts to the existing underground infrastructure. The use of existing Spectrum CATV facilities for the new classroom building will be discussed in the Draft Environmental Assessment (EA).

3. We acknowledge the general contractor's notes provided in your letter. These notes will be utilized during the construction phase of the subject project.

We value your participation in the environmental review process. Your letter will be reproduced in the forthcoming Draft EA.

Sincerely,

PBR HAWAII

Brittany Wheatman
Planner

O:\Job38\3810.01 Waikele Elementary School New Classroom\EA\Pre-Consultation\Responses\Spectrum Response.docx