

**STATE OF HAWAII**  
**DEPARTMENT OF EDUCATION**  
**KA 'OIHANA HO'ONA'AUAO**  
P.O. BOX 2360  
HONOLULU, HAWAII 96804

OFFICE OF FACILITIES AND OPERATIONS

September 12, 2023

TO: Ms. Mary Alice Evans  
Director, Office of Planning and Sustainable Development  
Environmental Review Program

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

SUBJECT: **Final Environmental Assessment and Finding of No Significant Impact  
Waianae High School – Track and Field Improvements  
Job No.: Q85200-17  
Tax Map Key: (1) 8-5-015: 001 (POR.) and (1) 8-5-002: 018 (POR.)**

With this letter, the State of Hawai'i Department of Education (Department) hereby transmits the Final Environmental Assessment and Finding of No Significant Impact (FEA-FONSI) for the proposed Waianae High School Track & Field Improvements situated on Tax Map Key parcel (1) 8-5-015: 001(por.) and (1) 8-5-002: 029 (por.), on the island of Oahu, for publication in the next available edition of *The Environmental Notice*.

We have uploaded an electronic copy of this letter, the publication form, and the FEA-FONSI to your online submittal site.

Should you have any questions, please contact Mitch Tamayori of our Facilities Development Branch at (808) 784-5116, or our authorized agent of this project, Amanda Waki, of Fukunaga and Associates, Inc. at (808) 944-1821.

ESI:mt

c: Facilities Development Branch  
Amanda Waki, Fukunaga and Associates, Inc.

**From:** [State of Hawaii Webmaster](#)  
**To:** [DBEDT OPSD Environmental Review Program](#)  
**Subject:** New online submission for The Environmental Notice  
**Date:** Monday, October 16, 2023 1:58:23 PM

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<b>Action Name</b>
Waianae High School Track and Field Improvements
<b>Type of Document/Determination</b>
Final environmental assessment and finding of no significant impact (FEA-FONSI)
<b>HRS §343-5(a) Trigger(s)</b>
<ul style="list-style-type: none"><li>(1) Propose the use of state or county lands or the use of state or county funds</li></ul>
<b>Judicial district</b>
Wai'anac, O'ahu
<b>Tax Map Key(s) (TMK(s))</b>
(1)8-5-015:001;(1)8-5-002:018
<b>Action type</b>
Agency
<b>Other required permits and approvals</b>
National Pollutant Discharge Elimination System (NPDES), Notice of General Permit Coverage (NGPC); Disability and Communication Access Board (DCAB) Document Review; Chapter 6E-8 Historic Preservation Review; Community Noise Permit, if applicable; Special Management Area Use Permit – Major Permit; Grading Permit; Building Permit
<b>Proposing/determining agency</b>
State of Hawaii, Department of Education
<b>Agency contact name</b>
Mitch Tamayori
<b>Agency contact email (for info about the action)</b>
<a href="mailto:mitch.tamayori@k12.hi.us">mitch.tamayori@k12.hi.us</a>
<b>Agency contact phone</b>
(808) 784-5116
<b>Agency address</b>
Facilities Development Branch, Project Management Section, State of Hawaii Department of Education 3633 Waialae Avenue, Room B-201 Honolulu, HI 96816 United States <a href="#">Map It</a>
<b>Was this submittal prepared by a consultant?</b>
Yes

**Consultant**

Fukunaga and Associates, Inc.

**Consultant contact name**

Amanda Waki

**Consultant contact email**

[awaki@fukunagaengineers.com](mailto:awaki@fukunagaengineers.com)

**Consultant contact phone**

(808) 944-1821

**Consultant address**

1357 Kapiolani Blvd, Suite 1530  
Honolulu, HI 96814  
United States  
[Map It](#)

**Action summary**

The proposed project includes the following work: replacement of the existing track and field with a new synthetic turf field and a new synthetic surface track; relocation of track events, including pole vault, long jump, high jump, and shotput; concrete sidewalk and slab improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor's bleachers; and drainage improvements and other miscellaneous items. The proposed project will support educational programs and activities by providing better athletic facilities.

**Reasons supporting determination**

See Section 7 of the EA.

**Attached documents (signed agency letter & EA/EIS)**

- [FEA-FONSI-letter-Waianae-HS-Track-and-Field.pdf](#)
- [Waianae-HS-Track-and-Field-Improvements-EA-FINAL.pdf](#)

**Shapefile**

- The location map for this Final EA is the same as the location map for the associated Draft EA.

**Action location map**

- [ProjectSite.zip](#)

**Authorized individual**

Amanda Waki

**Authorization**

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

Waianae High School Track and Field Improvements

**FINAL  
ENVIRONMENTAL ASSESSMENT**



*Prepared for:*  
State of Hawaii  
Department of Education

*Prepared by:*  
Fukunaga and Associates, Inc.  
1357 Kapiolani Blvd, Suite 1530  
Honolulu, HI 96814

October 2023



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## **APPENDIX A:**

Early Consultation Correspondence

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Draft Environmental Assessment Comment and Response Letters

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Certified Shoreline Survey

## **APPENDIX D:**

Chapter 6E-8 Historic Preservation Review

## LIST OF ABBREVIATIONS

AFONSI	Anticipated Finding of No Significant Impact
ALISH	Agricultural Lands of Importance to the State of Hawaii
APE	Area of Potential Effect
BMP	Best Management Practices
CCH	City and County of Honolulu
CFR	Code of Federal Regulations
CWRM	Commission on Water Resource Management
CZM	Coastal Zone Management
DAR	Division of Aquatic Resources
DBEDT	Department of Business and Economic Development & Tourism
DCAB	Disability and Communication Access Board
DPP	Department of Planning and Permitting
DOA	Department of Agriculture
DOFAW	Division of Forestry and Wildlife
DOE	Department of Education
DOH	Department of Health
DHHL	Department of Hawaiian Home Lands
DLNR	Department of Land and Natural Resources
EFH	Essential Fish Habitat
EPA	Environmental Protection Agency
ESCP	Erosion and Sediment Control Plan
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FONSI	Finding of No Significant Impact
FPPA	Farmland Protection Policy Act
HAR	Hawaii Administrative Rules
HRS	Hawaii Revised Statutes
LID	Low Impact Development
LSB	Land Study Bureau
LRFI	Literature Review and Field Inspection
LUO	Land Use Ordinance
MSL	Mean Sea Level
NEPA	National Environmental Policy Act



NFHS	National Federation of State High School Associations
NFIP	National Flood Insurance Program
NGPC	Notice of General Permit Coverage
NHD	National Hydrography Dataset
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollution Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
OIA	Oahu Interscholastic Association
PIFWO	Pacific Islands Fish and Wildlife Office
ROH	Revised Ordinances of Honolulu
SCS	Soil Conservation Service
SLR-XA	Sea Level Rise Exposure Area
SMA	Special Management Area
SHPD	State Historic Preservation District
TMK	Tax Map Key
UIC	Underground Injection Control
USC	United States Code
USDA	United States Department of Agriculture
USFWS	United States Fish & Wildlife Service
USGS	U.S. Geological Survey
WHS	Waianae High School
WQV	Water Quality Volume

## EXECUTIVE SUMMARY

Project Name: Waianae High School Track and Field Improvements

Proposing/Determining Agency: State of Hawaii  
Department of Education  
3633 Waialae Avenue  
Honolulu, Hawaii 96816

Consultant: Fukunaga and Associates, Inc.  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawaii 96814

Location: Waianae, Oahu

### Property Owner and Land Use:

<b>Tax Map Key</b>	<b>Current Property Owner</b>	<b>State Land Use District</b>	<b>Community Plan Land Use</b>	<b>County Zoning</b>
<b>(1)8-5-015:001 (por.)</b>	State of Hawaii	Urban	Rural Residential	P-2 General Preservation
<b>(1)8-5-002:018 (por.)</b>	State of Hawaii	Urban	Rural Residential	P-2 General Preservation

Environmental Assessment “Trigger”: Located within the Special Management Area.  
Proposed Use of State Lands and Funds.

Determination: Finding of No Significant Impact (FONSI)

# 1 PROJECT OVERVIEW

## 1.1 Purpose for Environmental Assessment

The State of Hawaii, Department of Education (DOE) proposes to improve the existing athletic track and field at Waianae High School. The proposed use of State lands and funds is a trigger for the preparation of an environmental assessment. However, specific types of action are exempt because the action will have minimal or no significant impact on the environment. DOE declared the project exempt from the preparation of environmental assessment on July 31, 2019 pursuant to the State DOE Exemption List under Chapter 343 Hawaii Revised Statutes (HRS) for the Waianae High School Track and Field Improvements project.

Waianae High School is in the Special Management Area (SMA), and an SMA major permit will be required for the project. An environmental assessment is required for an SMA major permit pursuant to the Revised Ordinances of Honolulu (ROH) Chapter 25 and as confirmed by the City and County of Honolulu (CCH), Department of Planning and Permitting (DPP) on March 29, 2023.

## 1.2 Purpose of the Proposed Action

The Waianae High School Track and Field Improvements project is proposed by the State of Hawaii, Department of Education (DOE). The project site is the existing track and field located on the Waianae High School (WHS) campus in Waianae, Oahu and is shown on **Figure 1**. WHS consists of TMKs (1)8-5-002:018 and (1)8-5-015:001.

WHS, home of the Seairiders, opened in 1957 at its present location with 6 permanent classroom buildings, a serving kitchen, administration building, separate PE locker rooms for boys and girls, 3 portable classroom buildings, and an athletic track and field. Today, the campus features 24 permanent buildings, 28 portables, athletic facilities, and support facilities and has an enrollment of approximately 1,800 high school students.

The mission of WHS is to build a collaborative learning environment and culture that emphasizes responsibility, innovation, complex thinking, effective communication, and excellence. WHS is part of the Oahu Interscholastic Association (OIA) which recognizes athletics as an integral part of the educational program of its high schools. As also noted by DOE, studies suggest a strong correlation between participating in athletics and academic success. The WHS track and field is used for practice, games, and competitions for multiple sports, including football, soccer, and track and field. WHS typically hosts about five home games per season/team/sport. The track and field is also used by the physical education program and for the school's commencement exercise.

Since its original construction in 1957, the existing track and field has only undergone minor repairs to replace the field irrigation system, resurface the cinder track, and repair/replace the track bridges over the drainage channel. Other projects have added lights and permanent bleachers around the field. The proposed project will replace the existing cinder track and grass field with a new synthetic turf field and a new all-weather synthetic surface track. The project also proposes to relocate several track events to adjacent areas to allow the soccer field to be reconstructed to meet the size and clearance guidelines of the National Federation of State High School Associations (NFHS).

### **1.3 Proposed Action**

The proposed project includes work as described below:

- Replacement of the existing track and field with a new synthetic turf field and a new synthetic surface track.
- Relocation of track events, including pole vault, long jump, high jump, and shotput.
- Concrete sidewalk and slab improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor's bleachers.
- Drainage improvements and other miscellaneous items.

### **1.4 Construction Cost and Schedule**

The estimated cost of construction for the Waianae High School Track and Field Improvements is \$6 million. It is estimated that construction will begin in Fall 2023.





**Waianae High School  
Track and Field  
Improvements**

**Waianae  
High School**

TMK 8-5-015:001

TMK 8-5-002:018

FARRINGTON HIGHWAY

<p>Island of O'ahu</p>	<p>NORTH</p> <p>0 200 400 Feet</p>	<p><b>LEGEND:</b></p>
------------------------	--	-----------------------

**Waianae High School Track and Field Improvements**  
Final Environmental Assessment

**LOCATION MAP**

## 2 LAND USE PLANS, POLICIES, AND CONTROLS

### 2.1 Hawaii State Plan

The Hawaii State Plan, as set forth by Hawaii Revised Statutes (HRS) Chapter 226, serves as a guide for the future long-range development of the State. It identifies the goals, objectives, policies, and priorities for the State; provides a basis for determining priorities and allocating limited resources, such as public funds, services, human resources, land, energy, water, and other resources; improves coordination of state and county plans, policies, programs, projects, and regulatory activities; and establishes a system for plan formulation and program coordination to provide for an integration of all major state and county activities. The State goals are discussed below, and the objectives relevant to the proposed projects are indicated in **Table 1**.

#### **Section 226-4: State Goals.**

*In order to guarantee, for present and future generations, those elements of choice and mobility that ensure that individuals and groups may approach their desired levels of self-reliance and self-determination, it shall be the goals of the State to achieve:*

- (1) *A strong, viable economy, characterized by stability, diversity, and growth, that enables the fulfillment of the needs and expectations of Hawaii'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 Hawaii, that nourishes a sense of community responsibility, of caring, and of participation in community life.*

The proposed project supports these overall state goals by providing a better standard of education for the students of WHS. Athletics is an integral part of high school educational programs. Education is a powerful force of socio-economic stability and will support the State's goal of mental and physical well-being and a stable, robust society for future generations.

**Table 1. Hawaii State Plan Objectives**

<b>Objective</b>	<b>Description</b>	<b>Applicable</b>
Population	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	No
Economy--in general	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 Hawaii'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. (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.	No



Objective	Description	Applicable
Economy--agriculture	<p>Planning for the State's economy with regard to agriculture shall be directed towards achievement of the following objectives:</p> <p>(1) Viability of Hawai'i's sugar and pineapple industries.</p> <p>(2) Growth and development of diversified agriculture throughout the State.</p> <p>(3) An agriculture industry that continues to constitute a dynamic and essential component of Hawai'i's strategic, economic, and social well-being.</p>	No
Economy--visitor industry	<p>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.</p>	No
Economy--federal expenditures	<p>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.</p>	No
Economy--potential growth and innovative activities	<p>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.</p>	No
Economy--information industry	<p>Planning for the State's economy with regard to telecommunications and information technology shall be directed toward positioning Hawai'i as a leader in broadband communications and applications in the Pacific Region.</p>	No
Physical environment--land-based, shoreline, and marine resources	<p>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:</p> <p>(1) Prudent use of Hawai'i's land-based, shoreline, and marine resources.</p> <p>(2) Effective protection of Hawai'i's unique and fragile environmental resources.</p>	Yes
Physical environment-- scenic, natural beauty, and historic resources	<p>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.</p>	Yes
Physical environment--land, air, and water quality	<p>Planning for the State's physical environment with regard to land, air, and water quality shall be directed towards achievement of the following objectives:</p> <p>(1) Maintenance and pursuit of improved quality in Hawai'i's land, air, and water resources.</p> <p>(2) Greater public awareness and appreciation of Hawai'i's environmental resources.</p>	Yes

Objective	Description	Applicable
Facility systems--in general	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.	No
Facility systems--solid and liquid wastes	<p>Planning for the State's facility systems with regard to solid and liquid wastes shall be directed towards the achievement of the following objectives:</p> <p>(1) Maintenance of basic public health and sanitation standards relating to treatment and disposal of solid and liquid wastes.</p> <p>(2) Provision of adequate sewerage facilities for physical and economic activities that alleviate problems in housing, employment, mobility, and other areas.</p>	No
Facility systems--water	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.	No
Facility systems--transportation	<p>Planning for the State's facility systems with regard to transportation shall be directed towards the achievement of the following objectives:</p> <p>(1) An integrated multi-modal transportation system that services statewide needs and promotes the efficient, economical, safe, and convenient movement of people and goods.</p> <p>(2) A statewide transportation system that is consistent with and will accommodate planned growth objectives throughout the State.</p>	No
Facility systems--energy	<p>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:</p> <p>(1) Dependable, efficient, and economical statewide energy systems capable of supporting the needs of the people;</p> <p>(2) Increased energy self-sufficiency where the ratio of indigenous to imported energy use is increased;</p> <p>(3) Greater energy security and diversification in the face of threats to Hawai'i's energy supplies and systems; and</p> <p>(4) Reduction, avoidance, or sequestration of greenhouse gas emissions from energy supply and use.</p>	No
Facility systems--telecommunications	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.	No



Objective	Description	Applicable
Socio-cultural advancement--housing	<p>Planning for the State's socio-cultural advancement with regard to housing shall be directed toward the achievement of the following objectives:</p> <p>(1) Greater opportunities for Hawai'i'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 Hawai'i's population.</p> <p>(2) The orderly development of residential areas sensitive to community needs and other land uses.</p> <p>(3) The development and provision of affordable rental housing by the State to meet the housing needs of Hawai'i's people.</p>	No
Socio-cultural advancement--health	<p>Planning for the State's socio-cultural advancement with regard to health shall be directed towards achievement of the following objectives:</p> <p>(1) Fulfillment of basic individual health needs of the general public.</p> <p>(2) Maintenance of sanitary and environmentally healthful conditions in Hawai'i's communities.</p>	No
Socio-cultural advancement--education	<p>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.</p>	Yes
Socio-cultural advancement--social services	<p>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.</p>	No
Socio-cultural advancement--leisure	<p>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.</p>	Yes
Socio-cultural advancement--individual rights and personal well-being	<p>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.</p>	No

Objective	Description	Applicable
Socio-cultural advancement--culture	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.	No
Socio-cultural advancement--public safety	Planning for the State's socio-cultural advancement with regard to public safety shall be directed towards the achievement of the following objectives: (1) Assurance of public safety and adequate protection of life and property for all people. (2) Optimum organizational readiness and capability in all phases of emergency management to maintain the strength, resources, and social and economic well-being of the community in the event of civil disruptions, wars, natural disasters, and other major disturbances. (3) Promotion of a sense of community responsibility for the welfare and safety of Hawai'i's people.	No
Socio-cultural advancement--government	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. (2) Fiscal integrity, responsibility, and efficiency in the state government and county governments.	Yes

The objectives and policies relevant to the proposed project are listed and discussed below.

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

- (A) *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 Hawaii's land-based, shoreline, and marine resources.*
  - (2) *Effective protection of Hawaii's unique and fragile environmental resources.*
- (B) *To achieve the land-based, shoreline, and marine resources objectives, it shall be the policy of this State to:*
  - (2) *Ensure compatibility between land-based and water-based activities and natural resources and ecological systems.*
  - (3) *Take into account the physical attributes of areas when planning and designing activities and facilities.*
  - (4) *Manage natural resources and environs to encourage their beneficial and multiple use without generating costly or irreparable environmental damage.*
  - (9) *Promote increased accessibility and prudent use of inland and shoreline areas for public recreational, educational, and scientific purposes.*

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

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

- (B) *To achieve the scenic, natural beauty, and historic resources objectives, it shall be the policy of this State to:*
- (1) *Promote the preservation and restoration of significant natural and historic resources.*
  - (2) *Provide incentives to maintain and enhance historic, cultural, and scenic amenities.*
  - (3) *Promote the preservation of views and vistas to enhance the visual and aesthetic enjoyment of mountains, ocean, scenic landscapes, and other natural features.*
  - (4) *Protect those special areas, structures, and elements that are an integral and functional part of Hawaii's ethnic and cultural heritage.*
  - (5) *Encourage the design of developments and activities that complement the natural beauty of the islands.*

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

- (A) *Planning 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 Hawaii's land, air, and water resources.*
- (B) *To achieve the land, air, and water quality objectives, it shall be the policy of this State to:*
- (2) *Promote the proper management of Hawaii's land and water resources.*
  - (3) *Promote effective measures to achieve desired quality in Hawaii's surface, ground, and coastal waters.*
  - (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.*
  - (7) *Encourage urban developments in close proximity to existing services and facilities.*

**Section 226-21: Objective and policies for socio-cultural advancement – education.**

- (A) *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) *To achieve the education objective, it shall be the policy of this State to:*
- (1) *Support educational programs and activities that enhance personal development, physical fitness, recreation, and cultural pursuits of all groups.*
  - (2) *Ensure the provision of adequate and accessible educational services and facilities that are designed to meet individual and community needs.*

**Section 226-23: Objectives and policies for socio-cultural advancement – leisure.**

- (A) *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) *To achieve the leisure objective, it shall be the policy of this State to:*
- (7) *Provide adequate and accessible physical fitness programs to promote the physical and mental well-being of Hawaii's people.*

**Section 226-27: Objective and policies for socio-cultural advancement – government.**

- (A) *Planning for 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.*
  - (2) *Fiscal integrity, responsibility, and efficiency in the state government and county governments.*
- (B) *To achieve the government objective, it shall be the policy of this State to:*

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

**Section 226-109 Climate change adaptation priority guidelines.**

*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:

(6) *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.*

The Hawaii State Plan also 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 through the development of functional plans and county general plans. Functional plans set forth the policies, statewide guidelines, and priorities within a specific field of activity, and are developed by the State agency primarily responsible for a given functional area, which include agriculture, conservation lands, education, energy, higher education, health, historic preservation, housing, recreation, tourism, and transportation. Functional plans identify priority issues in the functional area and include objectives, policies, and implementing actions to address those priority issues.

The Education Functional Plan was prepared by the DOE and approved in 1989. It includes strategies to address the policies and priority guidelines of the Hawaii State Plan and the goals of the Board of Education and the concerns of the State Education Functional Plan Advisory Committee. HRS 226, as amended by Act 336, 1987, identifies directions specifically for Education in two sections, Section 226-21 Objectives and policies for socio-cultural advancement—education and Section 226-107 Quality education. These formed the basis for the twelve Education Functional Plan policies, which include academic excellence, basic skills, education workforce, facilities and services, alternatives for funding and delivery, autonomy and flexibility, increased use of technology, personal development, students with special needs, early childhood education, Hawaii’s cultural heritage, and research programs and [communication] activities. The goal relevant to the proposed project is described below:

**Cluster B(4): Personal Development**

**Policy:** *Support education programs and activities that enhance personal development, physical fitness, recreation, and cultural pursuits of all groups.*

**Implementing Action B(4)d:** *Strengthen the total wellness of students by fully implementing a coordinated health, physical education and nutrition education program.*

The proposed project will promote public health and support educational programs and activities that enhance physical fitness by providing an improved all-weather athletic facility to better support athletic programs, physical fitness classes, marching band, and other extra-curricular activities. The project site is currently developed as a track and field, and short-term construction-related impacts on the environment will be mitigated by the implementation of best management practices (BMPs). Therefore, the proposed project is not anticipated to have a substantial adverse effect on the physical environment. Hence, the proposed project complies with the aforementioned goals, objectives, and policies.



## 2.2 State Land Use

HRS Chapter 205, Land Use Commission, establishes four general land use districts in which all lands in the State are placed. These four districts are Urban, Rural, Agricultural, and Conservation. The State Land Use classification for the project site is Urban. See **Figure 2**. Permissible uses within the Urban district are any and all uses permitted by CCH. Uses permitted by CCH are discussed in **Sections 2.3, 2.4, and 2.5**. Public schools are a permissible use within the Urban district.

## 2.3 Oahu General Plan

The Oahu General Plan, dated November 2021, is a comprehensive statement of objectives and policies that set forth the long-range aspirations of Oahu's residents and the strategies to achieve them. It lays the foundation for a comprehensive planning process that addresses physical, social, cultural, economic, and environmental concerns affecting CCH and is intended to guide land use and development decisions.

Specific General Plan objectives and policies applicable to the proposed project are discussed below.

### *IX. Health and Education*

- Objective B: *To provide a wide range of educational opportunities for the people of Oahu.*
  - Policy 4: *Encourage the construction of school facilities that are designed for flexibility and high levels of use.*

The proposed project will support educational programs and activities that enhance physical fitness by constructing an improved track and field facility for WHS.

## 2.4 Waianae Sustainable Communities Plan

The Waianae Sustainable Communities Plan, dated February 2012, is one of eight community-based long-range plans sharing the vision for each region and guiding its land use planning and development. The Waianae Sustainable Communities Plan presents the vision for Waianae's future development consisting of policies, guidelines, and conceptual schemes that will serve as a policy guide for more detailed zoning maps and regulations and for public and private investment decisions. The Waianae Sustainable Communities Plan is in the process of being updated, and a public review draft is anticipated to be released in late 2023.

The policies and guidelines contained in the Waianae Sustainable Communities Plan most relevant to the proposed project are listed below:

### *4.7.2 Policies Pertaining to Civic, Public Safety, and Educational Facilities*

- 4.7.2.2: *Selection of sites for new schools should comply with the Waianae Sustainable Communities Plan Criteria*
- 4.7.2.3: *Consider multi-purpose function of schools*

### *4.7.3 Guidelines for Civic, Public Safety, and Educational Facilities*

- 4.7.3.1: Design Standards
  - *The use of building forms and materials that reflect Hawaii’s diverse cultural and architectural heritage.*
  - *The predominantly residential scale of the built environment of the Waianae District. Massive building forms would not be compatible with this residential scale.*
  - *The hot, dry climate of the coastal plain zone of the Waianae District. Public buildings should therefore incorporate “natural” cooling devices including lanais, wide roof overhangs, natural air circulation, strategically placed shade trees, and cooler colors for exterior walls.*
  - *Related open areas including front yard areas, parking lots, playgrounds, and garden spaces should be generously planted with colorful trees, shrubs, and ground covers. Drought-tolerant native plant species should be favored.*
  - *Sea level rise should be taken into account when choosing the location of a public building, especially emergency facilities.*
  - *Design new public buildings, such as schools and recreation centers, to serve a secondary function as an emergency shelter.*

The proposed project will replace the existing dirt track and grass field with a new synthetic turf field and a new all-weather synthetic surface track at the same location. The proposed project does not include relocation of the track and field. The policies and guidelines contained in the Waianae Sustainable Communities Plan should be considered when evaluating alternative sites for school facilities.

The Waianae Sustainable Communities Plan designation for the project site is Rural Residential. See **Figure 3**. Rural residential is intended to include single-family homes, town homes, small 2-story apartment buildings, and various relatively low density community support facilities that are permitted in residentially zoned areas, including schools and churches.

## 2.5 Land Use Ordinance

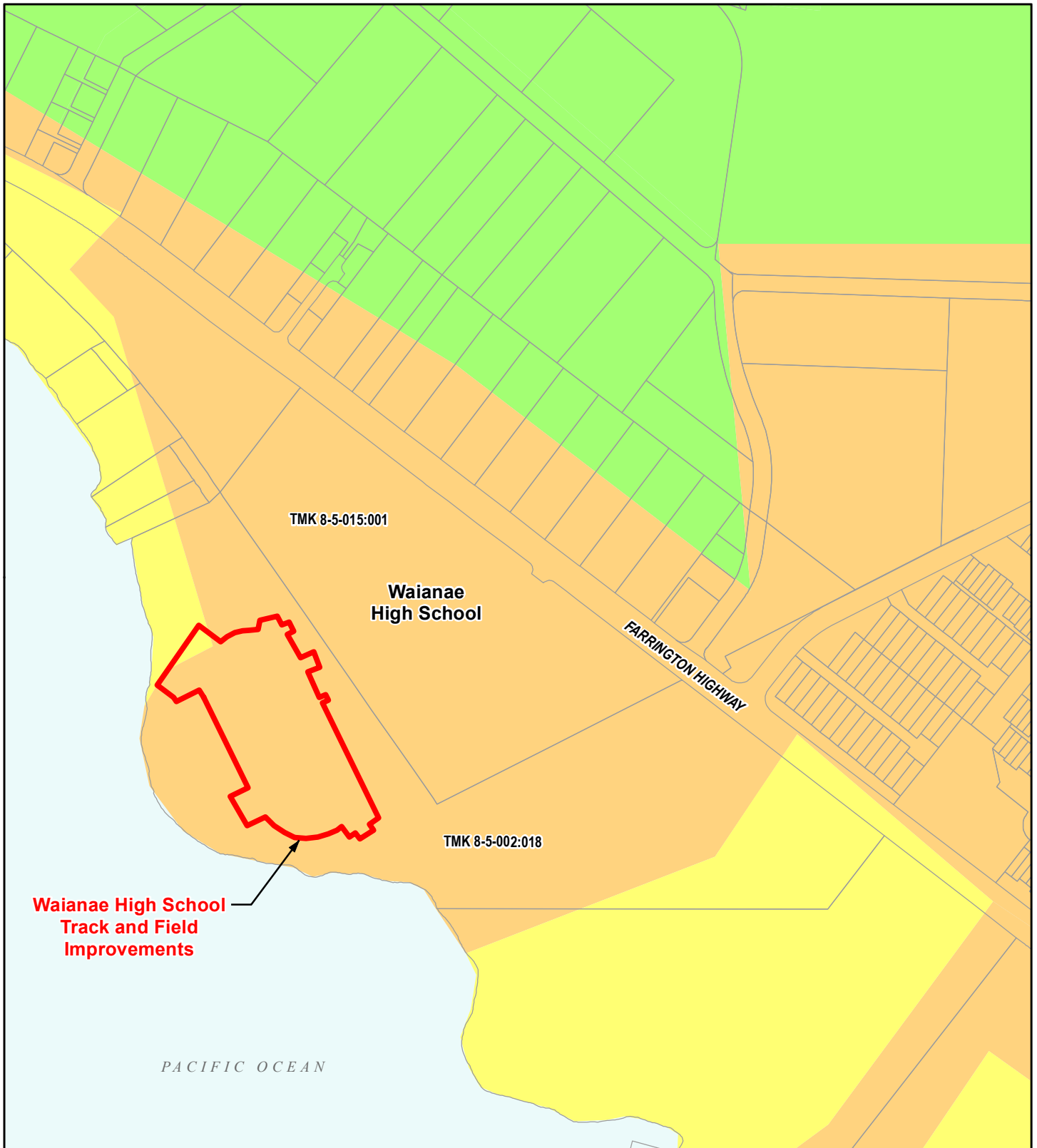
The Land Use Ordinance (LUO), ROH Chapter 21 Land Use Ordinance (LUO) implements the goals and objectives of the Oahu General Plan and the Waianae Sustainable Communities Plan.

The project site is zoned P-2 General Preservation. See **Figure 4**. The proposed project is consistent with the LUO in that it is a public structure for a public use, which is a permitted use in all zoning districts regulated by the CCH, including the P-2 zone in which the project is located.



**Waianae High School Track and Field Improvements**  
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**STATE LAND USE MAP**



<p>Island of O'ahu</p>	<p style="text-align: center;">▲ NORTH</p> <p style="text-align: center;">0      200      400 Feet</p>	<p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></span> Agriculture</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #FFFF00; border: 1px solid black; margin-right: 5px;"></span> Preservation</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #FFDAB9; border: 1px solid black; margin-right: 5px;"></span> Rural Residential</li> <li><span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></span> TMK</li> </ul>
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**Waianae High School Track and Field Improvements**  
Final Environmental Assessment

**WAIANAЕ SUSTAINABLE  
COMMUNITIES PLAN MAP**



**Waianae High School Track and Field Improvements**  
Final Environmental Assessment

**LAND USE ORDINANCE MAP**

## 2.6 Flood and Tsunami Hazards

The State of Hawaii Department of Land and Natural Resources (DLNR) Flood Hazard Assessment Tool is an informational mapping viewer that displays flood zones based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM). The proposed improvements are shown on FIRM panel 15003C0183H, dated November 5, 2014.

See **Figure 5** for a report for the project area generated by the DLNR Flood Hazard Assessment Tool. The majority of the project site is located in Zone AE; the remainder of the project site is located in Zone X. Zone X is an area of minimal flood hazard that is determined to be outside the 0.2% annual chance floodplain. Zone AE is an area subject to inundation by a 1% annual chance flood where the base flood elevations are determined. Zone AE is considered flood fringe area and is subject to ROH Chapter 21A and the National Flood Insurance Program (NFIP), Title 44 of the Code of Federal Regulations. ROH Chapter 21A and Title 44 of the CFR define a structure as “a walled and roofed building, including a gas or liquid storage tank that is principally above ground, and a manufactured home.” The general development standards and flood fringe area standards are applicable to structures within the flood fringe area. The proposed project does not include structures as defined in ROH Chapter 21A and Title 44 of the CFR; therefore, the standards are not applicable for the proposed project. Drainage improvements will be provided to minimize damage in accordance with CCH standards, and proposed waterlines in the project area will have backflow prevention to prevent cross connection with potable water system.

All of WHS is within the Tsunami Evacuation Zone. See **Figure 6** for the tsunami evacuation zones. In the event of a tsunami warning, the entire campus would be evacuated.

## 2.7 Sea Level Rise

The Hawaii Sea Level Rise Vulnerability and Adaptation Report was published by the Hawaii Climate Change Mitigation and Adaptation Commission in 2017 as mandated by Act 83 and Act 32. The report assesses Hawaii’s vulnerability to sea level rise and provides recommendations on how to prepare for the changes to come. Under the “business as usual” scenario, sea level rise is predicted to be 0.5 feet by 2030, 1.1 feet by 2050, and 3.2 feet by 2100. The report urges the State to plan for these levels of rise now.

The Pacific Islands Ocean Observing System developed the Hawaii Sea Level Rise Viewer, which displays the sea level rise results from the hazard modeling and vulnerability assessment that were developed for the report. The sea level rise exposure area (SLR-XA) was determined from available data for three chronic flooding hazards: passive flooding, annual high wave flooding, and coastal erosion. See **Figure 7** for a map of the areas projected to be affected by 0.5 and 3.2 feet of sea level rise in the vicinity. A portion of the proposed project is within the 0.5 and 3.2 feet exposure areas due to annual high wave flooding; the sea level rise results show that passive flooding and coastal erosion do not impact the proposed project site.

The impact of high wave events and storm surge on an all-weather track and field would be minimized and substantially less than the impact on the existing dirt and grass field or a building or structure. The track and field is also proposed to be raised approximately 6 inches which will further reduce any impact. Damage and economic loss due to high waves or storm surge would be minimized to replacement of infill within the turf field if washed out, and anticipated to be minor.

In addition, typically, all-weather track and fields are replaced approximately every 10 years. Therefore, minimal impact is expected over the design life of the proposed project.

Site alternative considerations are discussed in **Section 5.2**.

## 2.8 Shoreline Setback

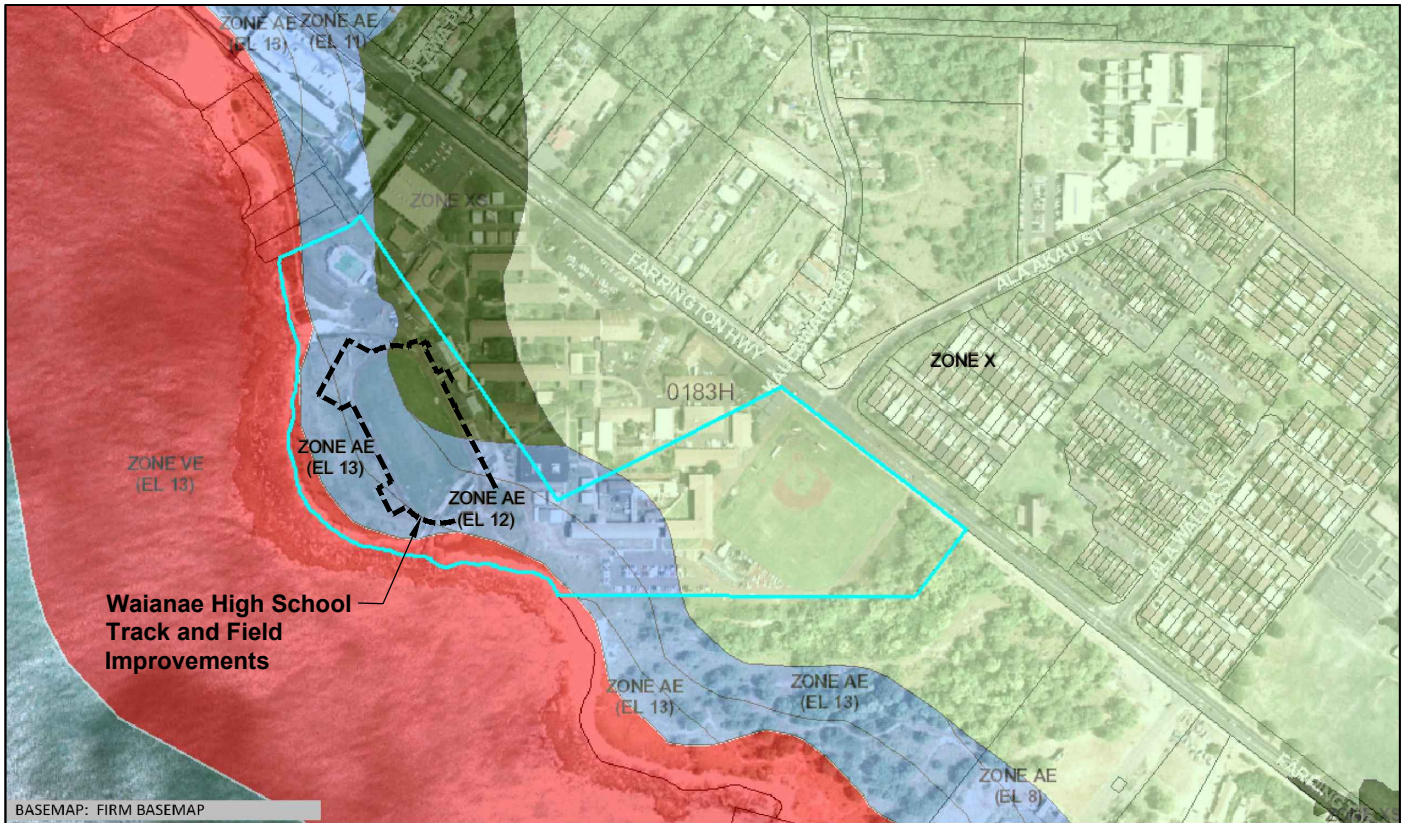
Pursuant to the authority conferred by HRS Chapter 205A, ROH Chapter 26 establishes the standards and procedures that apply to all lands within the shoreline setback area of CCH. The shoreline is defined as the upper reaches of the wash of the waves, other than storm and seismic waves, at high tide during the season of the year in which the highest wash of the waves occur, usually evidenced by the edge of vegetation, or the upper limit of debris left by the wash of the waves. The shoreline setback area is all of the land between the shoreline and shoreline setback line. Per ROH Chapter 26, the shoreline setback line is established as the following:

- Until July 1, 2024: 40 feet mauka from the certified shoreline
- After July 1, 2024: 60 feet mauka from the certified shoreline plus 70 times the annual erosion rate.

**Figure 8** shows the project site relative to the shoreline, the 40 foot current shoreline setback line, the 55 foot waiver line, and the 60 foot future shoreline setback line. Portions of the project are just within 55 feet of the shoreline, and the shoreline certification process with the State DLNR is underway. The application file number is OA-2043, and the commencement date for application processing is June 8, 2023, and the completion date is September 5, 2023. The application for shoreline certification was published in the June 8, 2023 Environmental Notice. The certified shoreline survey is shown in **Appendix C**.

Based on the shoreline, the proposed project is outside of the current shoreline setback area and does not require a shoreline setback variance. If permits for the project are not obtained before July 1, 2024, small portions of the proposed project will be within the future shoreline setback area as shown in **Figure 8**, and a shoreline setback variance would need to be obtained.





## Flood Hazard Assessment Report

www.hawaiiifip.org

### Property Information

COUNTY: HONOLULU  
 TMK NO: (1) 8-5-002:018  
 WATERSHED: KAUPUNI  
 PARCEL ADDRESS:  
 WAIANAE, HI 96792

### Notes:

### Flood Hazard Information

FIRM INDEX DATE: NOVEMBER 05, 2014  
 LETTER OF MAP CHANGE(S): NONE  
 FEMA FIRM PANEL: 15003C0183H  
 PANEL EFFECTIVE DATE: NOVEMBER 05, 2014

THIS PROPERTY IS WITHIN A TSUNAMI EVACUATION ZONE: YES  
 FOR MORE INFO, VISIT: <http://www.scd.hawaii.gov/>

THIS PROPERTY IS WITHIN A DAM EVACUATION ZONE: NO  
 FOR MORE INFO, VISIT: <http://dlnreng.hawaii.gov/dam/>



*Disclaimer: The Hawaii Department of Land and Natural Resources (DLNR) assumes no responsibility arising from the use, accuracy, completeness, and timeliness of any information contained in this report. Viewers/Users are responsible for verifying the accuracy of the information and agree to indemnify the DLNR, its officers, and employees from any liability which may arise from its use of its data or information.*

*If this map has been identified as 'PRELIMINARY', please note that it is being provided for informational purposes and is not to be used for flood insurance rating. Contact your county floodplain manager for flood zone determinations to be used for compliance with local floodplain management regulations.*

### FLOOD HAZARD ASSESSMENT TOOL LAYER LEGEND

(Note: legend does not correspond with NFHL)

**SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD** - The 1% annual chance flood (100-year), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. SFHAs include Zone A, AE, AH, AO, V, and VE. The Base Flood Elevation (BFE) is the water surface elevation of the 1% annual chance flood. Mandatory flood insurance purchase applies in these zones:

	<b>Zone A:</b> No BFE determined.
	<b>Zone AE:</b> BFE determined.
	<b>Zone AH:</b> Flood depths of 1 to 3 feet (usually areas of ponding); BFE determined.
	<b>Zone AO:</b> Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined.
	<b>Zone V:</b> Coastal flood zone with velocity hazard (wave action); no BFE determined.
	<b>Zone VE:</b> Coastal flood zone with velocity hazard (wave action); BFE determined.
	<b>Zone AEF:</b> Floodway areas in Zone AE. The floodway is the channel of stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without increasing the BFE.

**NON-SPECIAL FLOOD HAZARD AREA** - An area in a low-to-moderate risk flood zone. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

	<b>Zone XS (X shaded):</b> Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
	<b>Zone X:</b> Areas determined to be outside the 0.2% annual chance floodplain.

### OTHER FLOOD AREAS

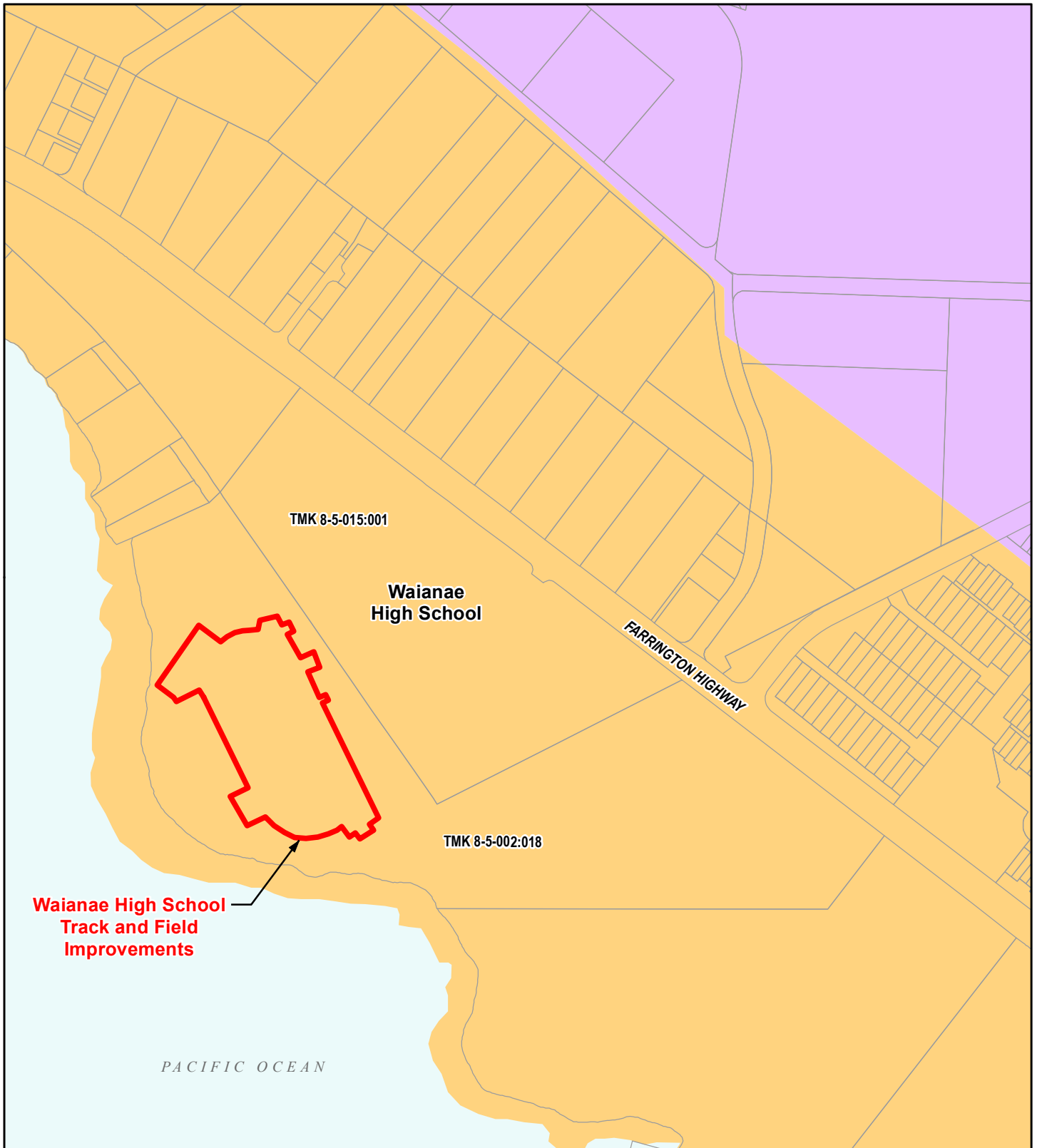
	<b>Zone D:</b> Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase apply, but coverage is available in participating communities.
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## Waianae High School Track and Field Improvements Final Environmental Assessment

FUKUNAGA & ASSOCIATES, INC.  
 Consulting Engineers

## FLOOD HAZARD ASSESSMENT REPORT

FIGURE 5

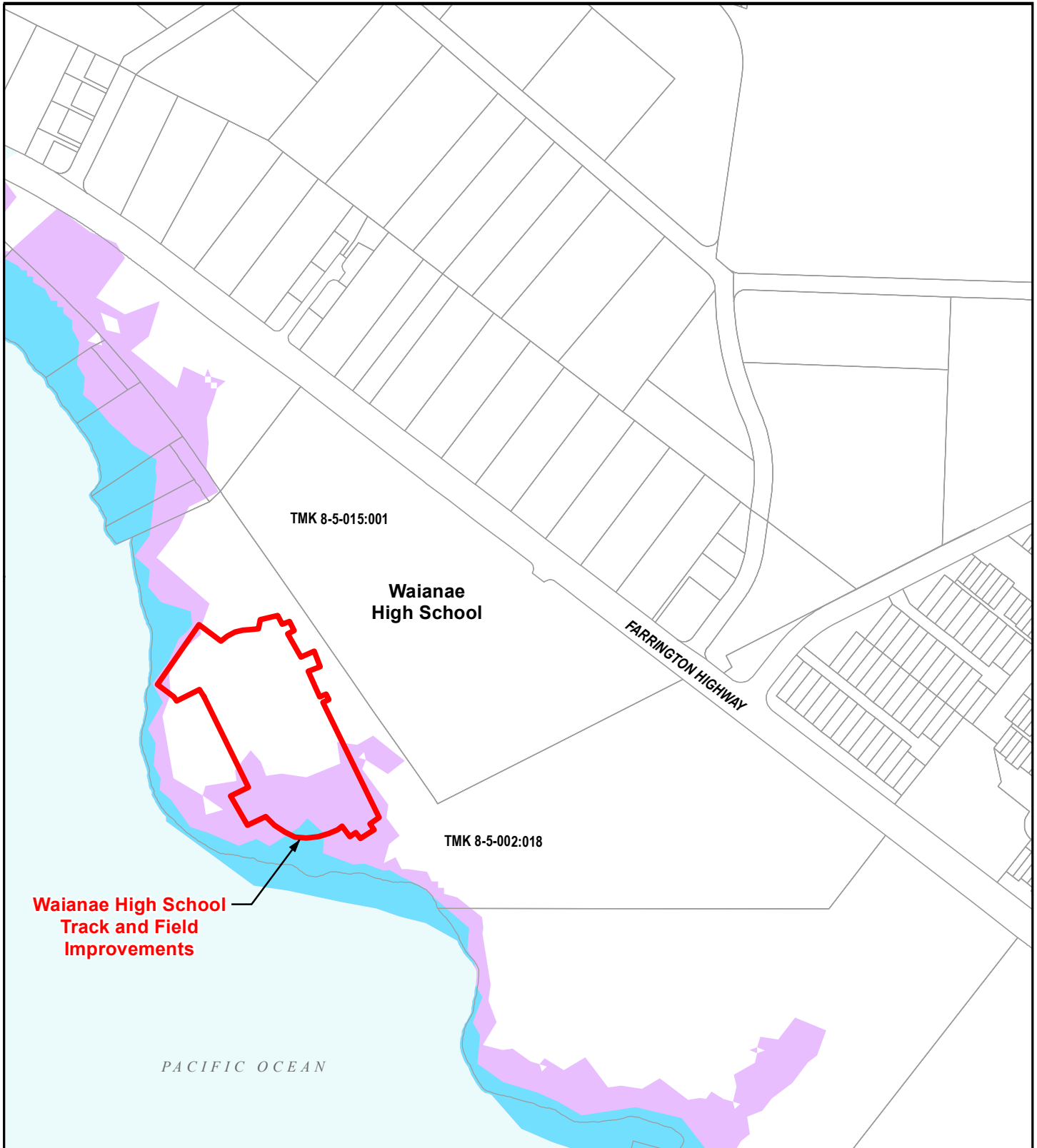


**Waianae High School  
Track and Field  
Improvements**

<p>Island of O'ahu</p>	<p><b>NORTH</b></p> <p>0 200 400 Feet</p>	<p><b>LEGEND:</b></p> <table border="0"> <tr> <td></td> <td>Tsunami Evacuation Zone</td> <td></td> <td>TMK</td> </tr> <tr> <td></td> <td>Extreme Tsunami Evacuation Zone</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Safe Zone</td> <td></td> <td></td> </tr> </table>		Tsunami Evacuation Zone		TMK		Extreme Tsunami Evacuation Zone				Safe Zone		
	Tsunami Evacuation Zone		TMK											
	Extreme Tsunami Evacuation Zone													
	Safe Zone													

**Waianae High School Track and Field Improvements**  
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**TSUNAMI EVACUATION  
ZONE MAP**

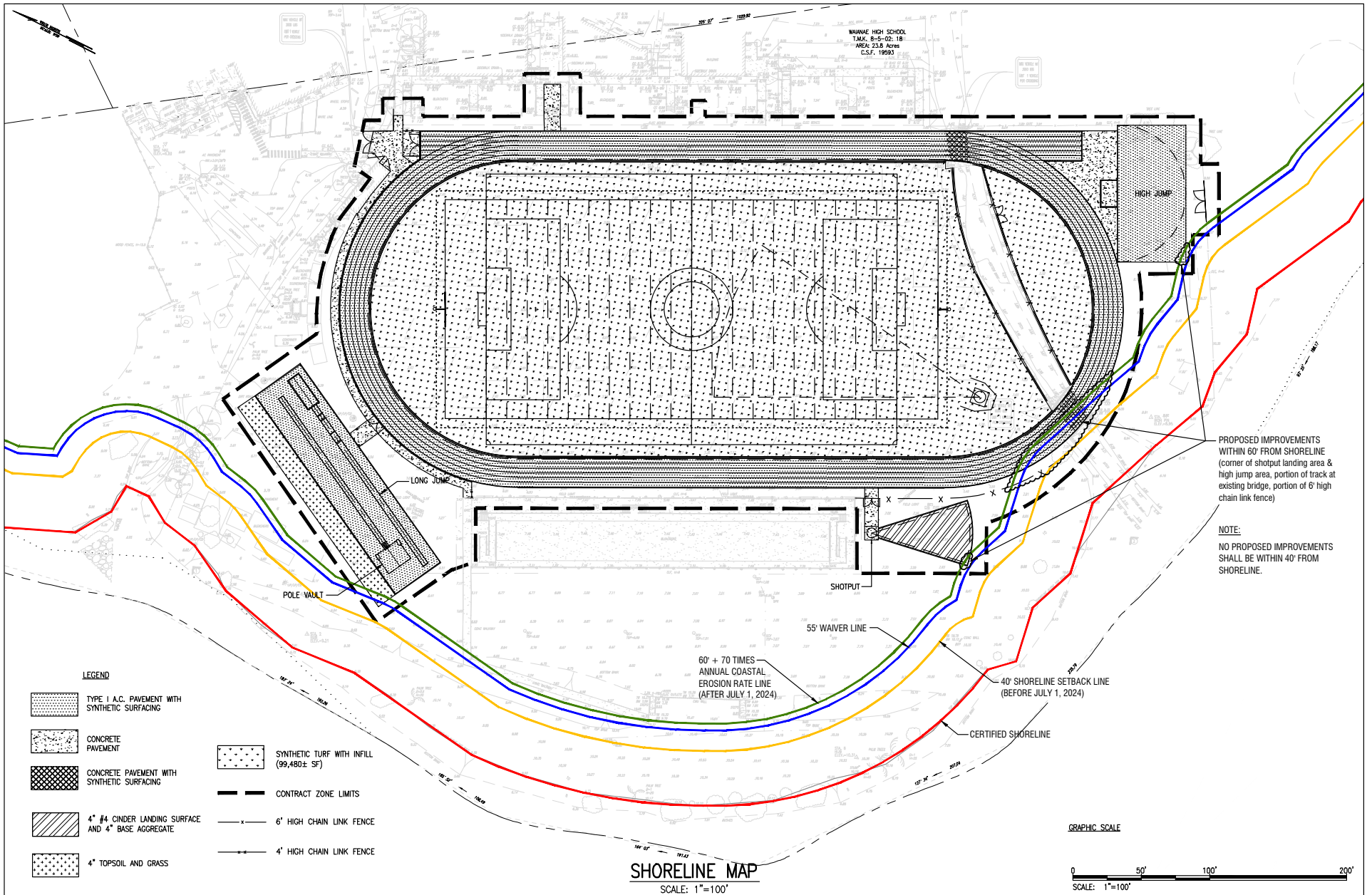


<p>Island of O'ahu</p>	<p>NORTH</p> <p>0 200 400 Feet</p>	<p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: lightblue; border: 1px solid black; margin-right: 5px;"></span> Sea Level Rise Exposure Area (0.5' Scenario)</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: lightpurple; border: 1px solid black; margin-right: 5px;"></span> Sea Level Rise Exposure Area (3.2' Scenario)</li> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> TMK</li> </ul>
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**Waianae High School Track and Field Improvements**  
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**SEA LEVEL RISE  
EXPOSURE AREA MAP**





**Waianae High School Track and Field Improvements  
Final Environmental Assessment**

FUKUNAGA & ASSOCIATES, INC.  
Consulting Engineers

**SHORELINE MAP**

Figure 8

## 2.9 Coastal Zone Management Program

The Hawaii Coastal Zone Management (CZM) law (HRS Chapter 205A) was enacted in 1977. All lands of the state are within the CZM area, and all agencies are responsible to enforce the objectives and policies set forth in HRS Chapter 205A-2. The ten CZM objectives are as follows:

- Recreational Resources: *Provide coastal recreational opportunities accessible to the public.*
- Historic Resources: *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.*
- Scenic and open space resources: *Protect, preserve, and where desirable, restore or improve the quality of coastal scenic and open space resources.*
- Coastal ecosystems: *Protect valuable coastal ecosystems, including reefs, from disruption and minimize adverse impacts on all coastal ecosystems.*
- Economic uses: *Provide public or private facilities and improvements important to the State's economy in suitable locations.*
- Coastal hazards: *Reduce hazard to life and property from tsunami, storm waves, stream flooding, erosion, subsidence, and pollution.*
- Managing development: *Improve the development review process, communication, and public participation in the management of coastal resources and hazards.*
- Public participation: *Stimulate public awareness, education, and participation in coastal management.*
- Beach protection: *Protect beaches for public use and recreation.*
- Marine resources: *Promote the protection, use, and development of marine coastal resources to assure their sustainability.*

The proposed project conforms to the CZM objectives and policies. An analysis of the proposed project's conformance follows:

- Recreational resources: The proposed project will not change recreational resources. The project site is the existing track and field facility, and the project scope is to replace the existing track and field with a new synthetic turf field and a new synthetic surface track. No change to public access to the shoreline is being proposed. Water quality standards are discussed under the Coastal Ecosystems discussion.
- Historic resources: The project site is the existing track and field facility, which is not listed on the Hawaii Register of Historic Places or the National Register of Historic Places and contains no historical significance. The proposed project was reviewed by the State Historic Preservation Division (SHPD), and SHPD concurs with DOE's determination of "no historic properties affected" for the proposed project (see **Appendix D**). A review of SHPD records indicated that several archaeological literature review and field inspection (LRFI) reports have been completed for projects within the subject parcel, and none identified archaeological historic properties within the project area. In the unlikely event that subsurface historic resources, including human skeletal remains, structural remains, cultural deposits, artifacts, sand deposits, or sink holes are identified during the demolition and/or construction work, the Contractor shall cease work in the immediate vicinity of the find, protect the find from additional disturbance, and contact SHPD.

- Scenic and open space resources: The proposed project will not create visual impacts. There are no significant visual resources situated within the school campus that would be affected by the proposed project nor are there any important coastal views from Farrington Highway through the school property. The 1987 Coastal View Study does not identify coastal scenic resources across Waianae High School from Farrington Highway. The project site is the existing track and field facility, and the project scope is to replace the existing track and field with a new synthetic turf field and a new synthetic surface track. Therefore, the proposed project will not alter natural landforms and existing public views to and along the shoreline.
- Coastal ecosystems: Erosion control plans and construction best management practices will be prepared and enforced to mitigate impact from construction activities. The long-term impact of the proposed project on water quality is discussed further in **Section 4.2.1**.
- Economic uses: The proposed project is not a coastal dependent development. The project site is the existing track and field, and relocation of the facility is not practical as discussed further in **Section 5.2**.
- Coastal hazards: The majority of the project site is located in Zone AE; the remainder of the project site is located in Zone X. Zone X is an area of minimal flood hazard that is determined to be outside the 0.2% annual chance floodplain. Zone AE is an area subject to inundation by a 1% annual chance flood where the base flood elevations are determined. Zone AE is considered flood fringe area and is subject to ROH Chapter 21A. ROH Chapter 21A defines a structure as “a walled and roofed building, including a gas or liquid storage tank that is principally above ground, and a manufactured home.” The general development standards and flood fringe area standards are applicable to structures within the flood fringe area. The proposed project does not include structures as defined in ROH Chapter 21A; therefore, the standards are not applicable for the proposed project. The entire school is within the tsunami. In the event of a tsunami warning, the entire campus would be evacuated.
- Managing development: The environmental review process set forth in HRS Chapter 343 ensures that environmental concerns are given appropriate consideration in decision making along with economic and technical considerations and integrates public notification and participation in development of the proposed project.
- Public participation: The environmental review process set forth in HRS Chapter 343 ensures that environmental concerns are given appropriate consideration in decision making along with economic and technical considerations and integrates public notification and participation in development of the proposed project. In addition, an SMA major permit is required for the proposed project, and additional public notification and participation will be part of the permit process.
- Beach protection: The proposed improvements are located inland from the shoreline setback. Therefore, there are no anticipated impacts on beach resources.

- Marine resources: The proposed improvements are located inland from the shoreline setback. Therefore, there are no anticipated impacts on marine resources.

Part II of the CZM law describes special management areas (SMAs) and its permit system. SMAs are areas needing particularly careful management, and the SMA permit is a tool to assure that uses, activities, and operations within an SMA comply with the CZM objectives and policies and SMA guidelines. **Figure 9** shows the SMA in the vicinity of the proposed project. The proposed project is within the SMA. An SMA major permit is required for development within the SMA that has a total valuation of more than \$500,000, or that may have substantial adverse or cumulative impacts. Development, as defined in ROH Chapter 25, includes grading, removing, dredging, mining, or extraction of any materials. The proposed development has a valuation greater than \$500,000, and an SMA major permit is anticipated to be required.

Pursuant to the authority conferred by HRS Chapter 205A, ROH Chapter 25 (Special Management Areas) establishes the regulations and procedures that apply to all lands within the special management area of the CCH. The objectives, policies, and guidelines of ROH Chapter 25 are those contained in HRS Chapter 205A-2 and 205A-26(1). HRS Chapter 205A-2 are the CZM objectives and policies described above, and the proposed project complies with these CZM objectives and policies as described above. ROH Chapter 25 also includes the following two objectives, guidelines and policies:

- Cumulative impact or significant effect and compelling public interest: *Development within the SMA should not have any cumulative impact or significant effect, unless minimized to the extent practicable and clearly outweighed by public health, safety, or other compelling public interest.*
- Consistency with plans and regulations: *Development within the SMA must be consistent with the general plan, development plans, sustainable communities plans, and zoning ordinances; provided that a finding of inconsistency does not preclude concurrent processing of amendments to applicable plans or a zone change.*

The proposed project complies with these two additional objectives, guidelines, and policies. The proposed project is not anticipated to have a significant adverse impact when considered together with past actions, and the proposed project is not anticipated to trigger additional future actions in the area. The proposed project is also not anticipated to have a significant adverse cumulative impact when considered together with two other future projects at WHS as discussed in **Section 4.4**. Therefore, the proposed project is not anticipated to have a significant adverse cumulative impact. The proposed project is consistent with plans and regulations as described in **Section 2**.

ROH Chapter 25 includes the following permit review guidelines, which are consistent with the SMA guidelines in HRS Chapter 205A-26(1):

- 25-4.1(a): *No development may be approved unless the agency or council has first found that the development is consistent with the objectives, policies, and guidelines set forth in this chapter and will not have any significant adverse environmental or ecological effect, except for situations in which the adverse effect is minimized to the extent practicable and clearly outweighed by public health and safety or a compelling public interest. Adverse effects include, but are not limited to potential cumulative impact of individual developments, each of which taken by itself may not*

*have a significant adverse effect. Adverse effects may also involve development that would eliminate future planning options.*

- 25-4.1(b): *The agency or council shall seek to minimize, whenever reasonable:*
  - *Dredging, filling, or otherwise altering any bay, estuary, salt marsh, wetland, river mouth, slough, or lagoon, except for restoration purposes;*
  - *Any development that would reduce the size of any beach, coastal dune, or other area usable for public recreation;*
  - *Any development that would reduce or impose restrictions upon public access to tidal and submerged lands, beaches, coastal dunes, portions of rivers and streams, and the mean high tide line where there is no beach;*
  - *Any development that would substantially interfere with or detract from the line of sight toward the ocean from the State highway nearest the coast;*
  - *Any development that would adversely affect water quality, existing areas of open water free of visible structures, existing and potential fisheries and fishing grounds, coastal ecosystems, wildlife habitats, or potential or existing agricultural uses of land; and*
  - *Risk to development from sea level rise and other coastal hazards, which may be accomplished by siting habitable structures outside of the sea level rise exposure area if feasible, or if not feasible adapting habitable structures within the sea level rise exposure area to accommodate sea level rise.*

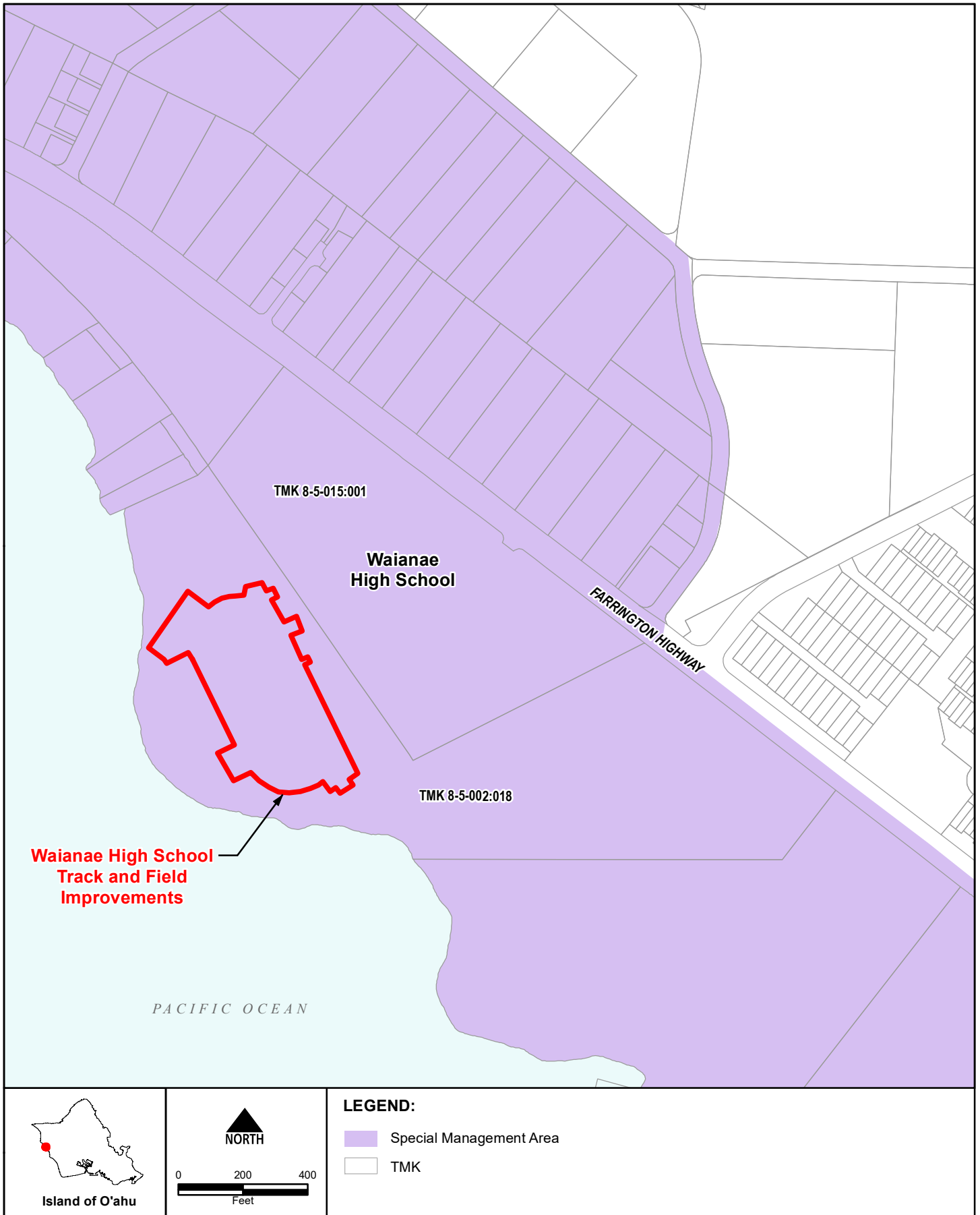
The proposed project conforms to the SMA permit review guidelines. The proposed project is not anticipated to have a significant adverse environmental or ecological effect. The proposed project does not include alteration of any bay, estuary, salt marsh, wetland, river mouth, slough, or lagoon. The proposed project will not reduce the size of any beach or coastal dune and will not reduce public access to tidal and submerged lands. The project site is an existing track and field facility, and there will be no change to public access to tidal and submerged lands. The proposed project will not substantially interfere with or detract from the line of sight from Farrington Highway to the ocean since there are no important coastal views from Farrington Highway through the school property and the project scope is replacement of an existing track and field facility. The proposed project is not anticipated to adversely affect water quality (as described in **Section 4.2.1**), existing areas of open water free of visible structures, existing and potential fisheries and fishing grounds, coastal ecosystems, wildlife habitats (as described in **Section 3.1.5**), or potential or existing agricultural uses of land (as described in **Section 3.1.4**). The proposed project is partially located within the sea level rise exposure area due to annual high wave flooding, but it does not include habitable structures as discussed in **Section 2.7**.

## 2.10 UIC

The Underground Injection Control (UIC) Program is one of several programs administered by the DOH Safe Drinking Water Branch. The UIC Program serves to protect the quality of Hawaii's underground sources of drinking water from chemical, physical, radioactive, and biological contamination that could originate from injection well activity. Hawaii Administrative Rules (HAR) Chapter 11-23 Underground Injection Control, provides conditions governing the location, construction, and operation of injection wells to prevent injected fluids from migrating and polluting aquifers designated as sources of drinking water. The UIC Line is the boundary between exempted aquifers, or non-drinking water aquifers, and underground sources of drinking water.

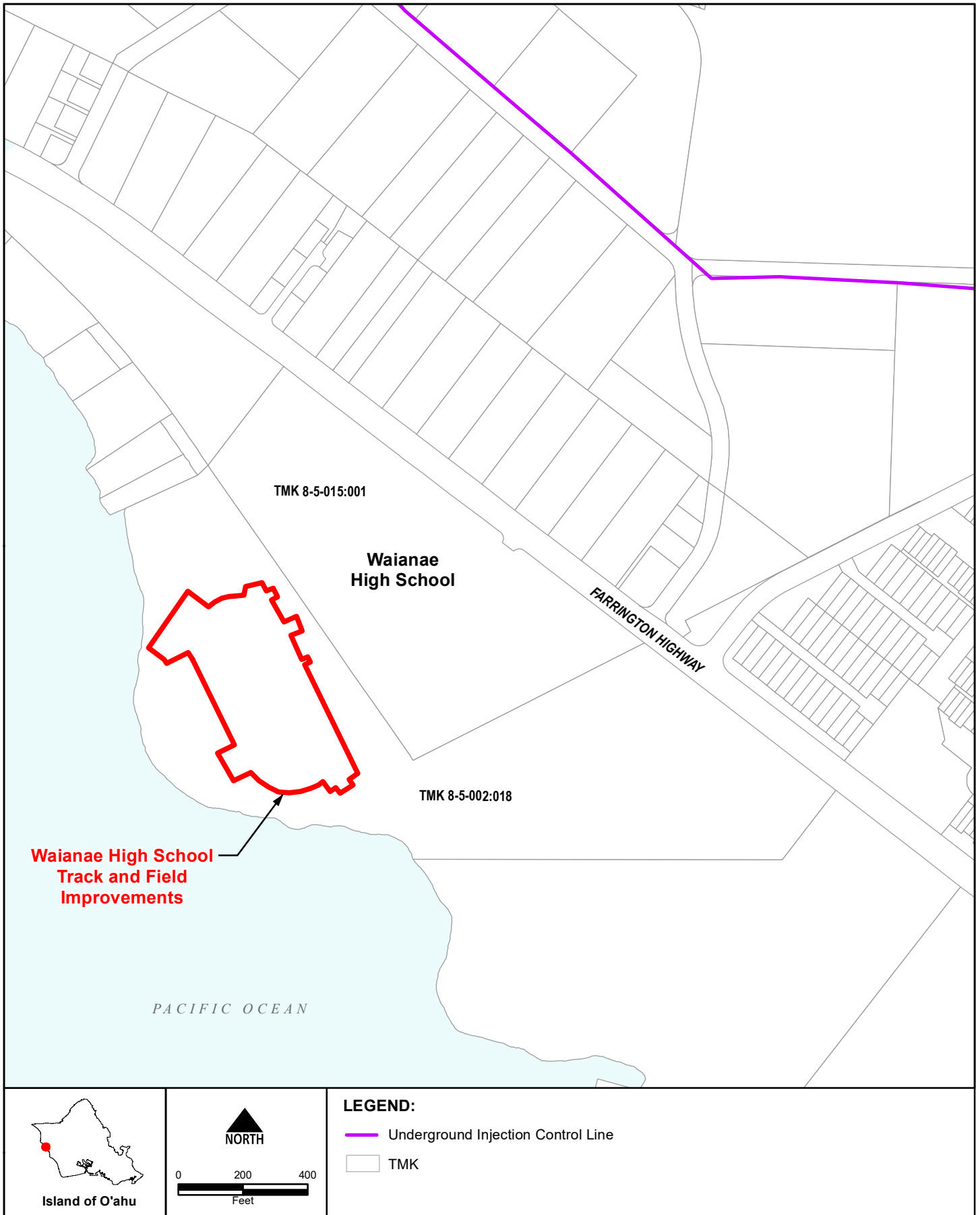


The proposed project does not include work related to locating, constructing, or operating an injection well, and is therefore not subject to the conditions of the UIC Program. **Figure 10** depicts the UIC Line relative to the proposed improvements. The proposed improvements are not considered a well and are below the UIC line where the underlying aquifer is not considered a drinking water source.



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**SPECIAL MANAGEMENT AREA MAP**



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**UNDERGROUND INJECTION  
 CONTROL LINE MAP**

## 3 DESCRIPTION OF THE ENVIRONMENT

### 3.1 Physical Environment

WHS is located at 85-251 Farrington Highway in Waianae, Oahu and consists of TMKs (1)8-5-002:018 and (1)8-5-015:001. The project site is the existing track and field located at WHS.

#### 3.1.1 Climate

The climate of Waianae can be characterized as hot and dry. Annual rainfall averages less than 25 inches along the coastline to 80-100 inches at the higher elevations of the Waianae Mountains. Daily temperatures range between 72- and 80-degrees Fahrenheit and can reach the low to mid-90s during the summer. Prevailing winds blow from a northeast direction at an average 10-13 miles per hour.

#### 3.1.2 Topography

The island of Oahu was formed by two different shield volcanoes, the Waianae and the Koolau, with the former being the older of the two. Formation of the islands began approximately 4 million years ago. Both volcanoes have undergone erosion and coral reef growing stages and have experienced submarine landslides.

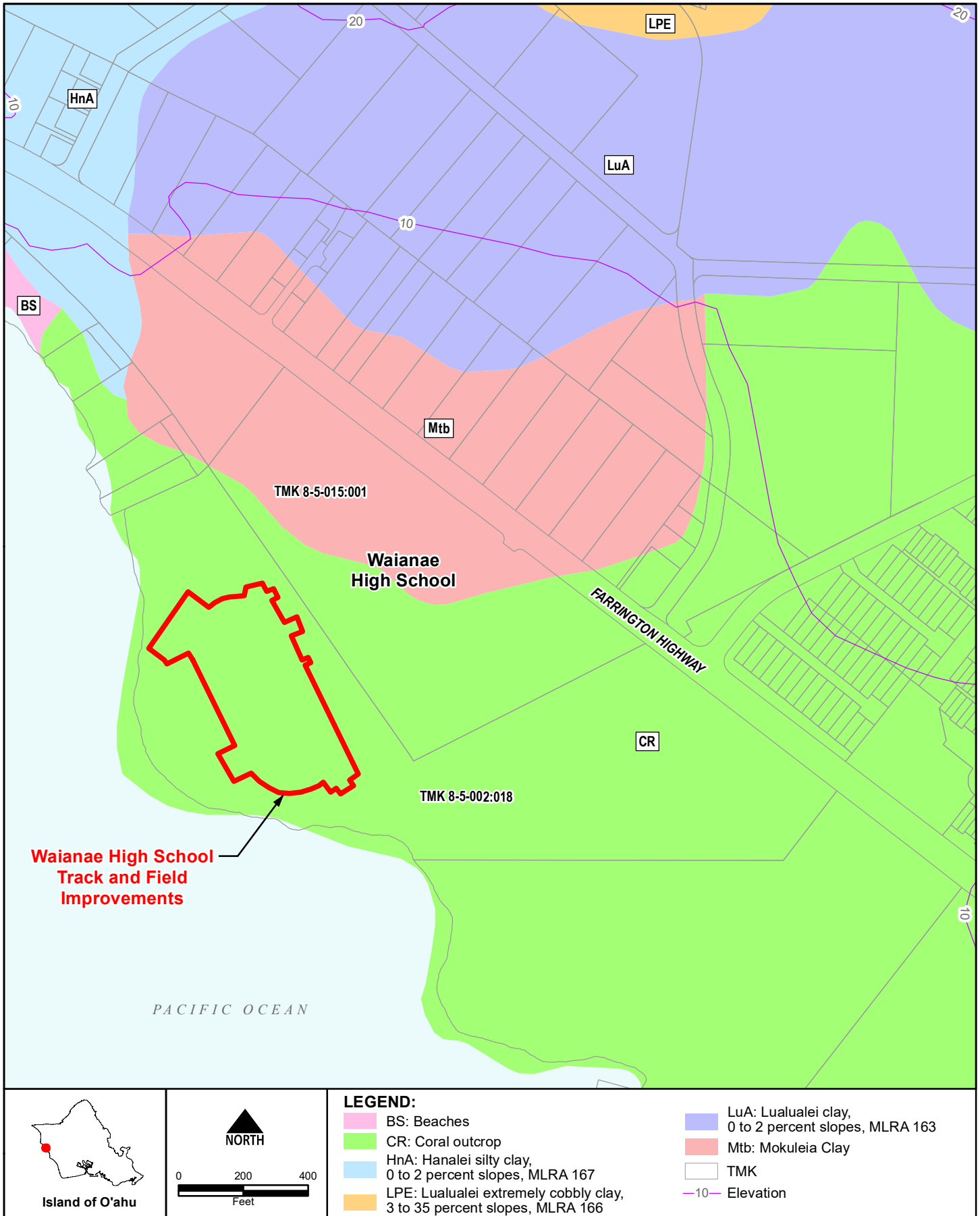
The topography throughout the project area is relatively flat with ground elevations ranging from approximately 5.8 feet to 8.3 feet mean sea level (MSL).

#### 3.1.3 Soils

The Soil Survey of the Islands of Kauai, Oahu, Maui, Molokai, and Lanai by the United States Department of Agriculture (USDA) Soil Conservation Service (SCS), dated August 1972, and the Web Soil Survey by the USDA Natural Resources Conservation Service (NRCS) provide soil data and information. **Figure 11** shows the soil classifications for the vicinity.

The soils for the project site are classified as Coral outcrop (CR).

- Coral outcrop (CR): Coral outcrop consists of coral or cemented calcareous sand on the island of Oahu.



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**USGS SOIL AND ELEVATION MAP**

### 3.1.4 Agriculture

The University of Hawaii, Land Study Bureau (LSB)'s Detailed Land Classification – Island of Oahu, dated 1972, classifies non-urban lands into five categories based on their soil properties and capabilities for agricultural productivity. The categories were assigned letters “A” through “E” in order of highest to least productivity. See **Figure 12**. The project area is entirely within state Urban land and therefore is not associated with a LSB category.

In 1977-1978, the State of Hawaii Department of Agriculture (DOA), with assistance from the USDA SCS and the University of Hawaii, College of Tropical Agriculture, developed a classification system to identify Agricultural Lands of Importance to the State of Hawaii (ALISH). The ALISH classification system is based primarily on soil characteristics and consists of three classes: Prime Agricultural Land, Unique Agricultural Land, and Other Agricultural Land. While these classifications identify the long-term implications of land use options for production of food, feed, forage, and fiber crops, they are not land use designations. The following lands were not considered for ALISH classification: 1) Developed urban land over 10 acres, 2) Natural or artificial enclosed bodies of water over 10 acres, 3) Forest reserves, 4) Public use lands, 5) Lands with slopes in excess of 35%, and 6) Military installations, except undeveloped areas over 10 acres. See **Figure 12**. The project area is entirely within lands not considered for classification.

### 3.1.5 Flora and Fauna

The project site has been developed and used as a track and field since its original construction in 1957.

The United States Fish and Wildlife Service (USFWS), Pacific Islands Fish and Wildlife Office (PIFWO) and the Department of Land and Natural Resources (DLNR), Division of Forestry and Wildlife (DOFAW) and Division of Aquatic Resources (DAR), were contacted during the preparation of this environmental assessment. In their early consultation responses and draft environmental assessment comments that are included in **Appendices A and B**, PIFWO, DOFAW, and DAR provided general information and guidance. The PIFWO letter was prepared under the authority of, and in accordance with, provisions of the Endangered Species Act of 1973, as amended (ESA).

The following State listed and/or federally listed species have the potential to occur or transit through the vicinity of the proposed project area:

- Hawaiian hoary bat (‘ōpe‘ape‘a)
- Hawaiian seabirds, including the Hawaiian petrel (‘ua‘u), band-rumped storm-petrel (‘akē‘akē), and Newell’s shearwater (‘a‘o)
- Hawaiian short-eared owl (pueo)
- Hawaiian waterbirds, including the Hawaiian stilt (ae‘o), Hawaiian coot (‘alae ke‘oke‘o), and Hawaiian gallinule (‘alae ‘ula)



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**AGRICULTURAL LAND CLASSIFICATION**

## **Hawaiian hoary bat**

The Hawaiian hoary bat roosts in both exotic and native woody vegetation and will leave their young unattended in trees and shrubs when they forage. If trees or shrubs 15 feet or taller are cleared during the pupping season (June 1 through September 15), there is a risk that young bats could inadvertently be harmed or killed, since they are too young to fly or move away from disturbance. Hawaiian hoary bats forage for insects from as low as 3 feet to higher than 500 feet above ground and can become entangled in barbed wire fencing.

The following general BMP recommendations were provided:

- Do not disturb, remove, or trim woody plants greater than 15 feet tall during the bat birthing and pup rearing season (June 1 through September 15).
- Do not use barbed wire for fencing.

## **Hawaiian seabirds**

Hawaiian seabirds may traverse the project area at night during the breeding, nesting, and fledging seasons (March 1 to December 15). Outdoor lighting could result in seabird disorientation, fallout, and injury or mortality. Seabirds are attracted to lights and after circling the lights, they may become exhausted and collide with nearby wires, buildings, or other structures or they may land on the ground. Downed seabirds are subject to increased mortality due to collision with automobiles, starvation, and predation by dogs, cats, and other predators. Young birds (fledglings) traversing the area between September 15 and December 15 on their first flights from their mountain nests to the sea are particularly vulnerable to light attraction.

The following general BMP recommendations were provided:

- Fully shield all outdoor lights so the bulb can only be seen from below.
- Install automatic motion sensor switches and controls on all outdoor lights or turn off lights when human activity is not occurring in the lighted area.
- Avoid nighttime construction during the seabird fledging period (September 15 through December 15)

## **Hawaiian short-eared owl**

The Hawaiian short-eared owl is most active during dawn and dusk twilights. Before clearing any vegetation, DOFAW recommends twilight pre-construction surveys by a qualified biologist. If pueo nests are present, DOFAW staff should be notified and a buffer zone should be established in which no clearing occurs until nesting is completed.

## **Hawaiian waterbirds**

The following general BMP recommendations were provided:

- If Hawaiian waterbirds are present during construction, all activities within 100 feet should cease and the bird(s) should not be approached. Work can continue after the bird(s) leave the area of their own accord.



- If a nest is discovered at any point, contact the 'Oahu Branch DOFAW Office at (808)973-9778 and establish a buffer zone around the nest.

## **Predators and invasive species**

DOFAW notes that construction sites could attract nonnative predators and recommends taking action to minimize predator presence, such as removing cats, placing bait stations for rodents and mongoose, and providing covered trash receptacles.

DOFAW also provided recommendations on ways to mitigate the spread of invasive species. Recommendations include minimizing the movement of plant and soil material between worksites, and cleaning equipment, materials, and personnel of excess soil and debris. Further, DOFAW recommends using native plant species appropriate for the area for landscaping features and to avoid planting invasive species in landscaping features.

## **Aquatic Life**

In their early consultation response that is included in Appendix A, DAR noted that encounters with aquatic life, such as monk seals and/or sea turtles, within the project site are unlikely. However, Nesting season for sea turtles (honu) is April through December, and the Hawaiian monk seal (‘Ilio holo I ka uaua) can give birth to pups all year round. DAR and DOFAW recommend ensuring that all contractors and crew be aware that should a turtle or seal enter the property or project site or be detected within 100 meters of the project site, all work should cease in its immediate area, required setbacks from the animal shall be observed, and DAR shall be contacted immediately. Work in the immediate area should not continue until the focal animal has departed the area on its own accord.

DAR also provided comments regarding pollution and erosion control measures that are discussed further in **Section 4.1.4** below.

### **3.1.6 Hydrology**

#### **Ground Water**

The State Water Code (HRS Chapter 174C) was enacted in 1987 to protect and manage Hawaii's surface and ground water resources. The State Water Code called for the establishment of a Commission on Water Resource Management (CWRM) to administer the code. CWRM established ground water hydrologic units to provide a consistent basis for managing ground water resources. Each island was divided into aquifer sectors, and each aquifer sector was subdivided into aquifer systems. The proposed project is in the Waianae Aquifer System within the Waianae Aquifer Sector. CWRM also establishes the sustainable yield for each aquifer system. Sustainable yield is defined as the maximum rate at which water may be withdrawn from a water source without impairing the utility or quality of the water source as determined by the commission. The sustainable yield of the Waianae Aquifer System is 3 mgd.

#### **Surface Water**

CWRM established surface water hydrologic units to provide a consistent basis for managing surface water resources. The proposed project is in the Kaupuni Surface Water Hydrologic Unit.

The U.S. Geological Survey (USGS)'s National Hydrography Dataset (NHD) and the State of Hawaii DOH's Water Quality Map were reviewed, and no surface water features were identified in the vicinity of the project site.

Two existing stormwater drainage channels convey stormwater through the campus to the ocean. One of the drainage channels traverses through the project site and crosses beneath the track and through the field. There are 2 bridges within the track oval allowing the drainage channel and storm water runoff to flow beneath. The existing drainage channel and the existing track bridges will not be altered. A new concrete slab that will be able to support a 3,000 lb vehicle weight will be constructed above one of the existing track bridges. The new concrete slab will bear on their own shallow foundations on both sides of the channel, and will not affect the existing concrete bridge structure or the existing drainage channel.

Since the proposed improvements are above the existing bridge and will not be within the existing channel, it is not anticipated that a Stream Channel Alteration Permit from DLNR or a Department of Army permit will be required.

## **Wetlands**

Wetlands are generally defined as those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.

See **Figure 13** for wetlands in the vicinity of the proposed project.

The manmade drainage channel that traverses through the project site and crosses under the track and field on the south side is classified as a riverine habitat (R4SBCx). It is described as a seasonally flowing riverine channel, and the description notes that it is a channel excavated by man.

An area adjacent to the shoreline and outside of the project site is classified as an estuarine and marine wetland habitat (M2RS/ABN). It is described as regularly flooded, high energy coastlines characterized by large boulders or bedrock and aquatic vegetation.

While work will occur over the existing bridge and adjacent to the drainage channel, no work is proposed within the drainage channel. BMPs will be utilized to prevent sediment laden runoff and pollutants from going into the drainage channel or leaving the project site. Therefore, the proposed project is not anticipated to have an adverse impact on wetlands.

## **Coastal Waters**

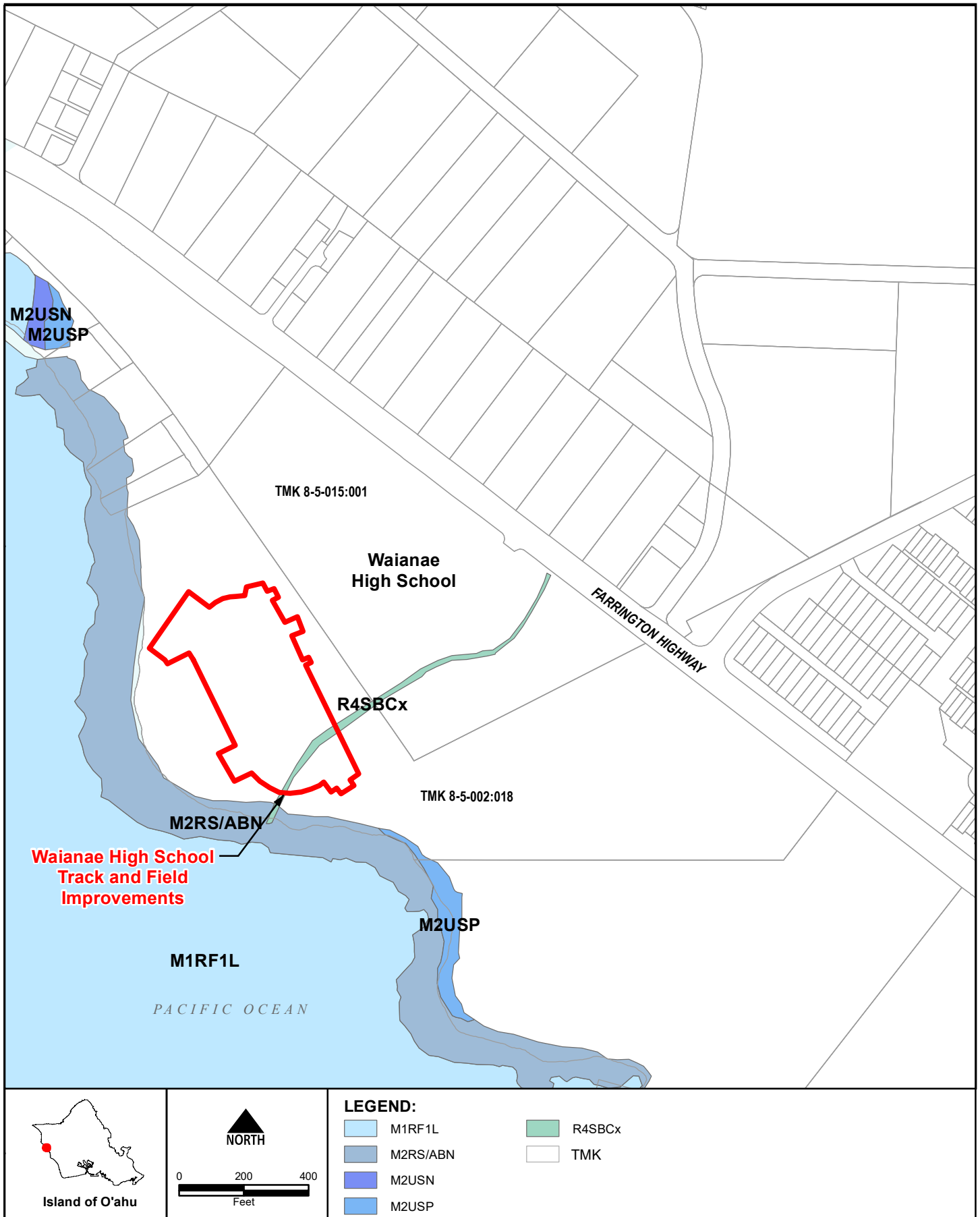
The coastal waters makai of the proposed project are classified as Class A by DOH and are not on the Clean Water Act 303(d) list of impaired waters.

## **3.2 Historical and Archaeological Sites**

The Department of Land and Natural Resources (DLNR), State Historic Preservation Division (SHPD) includes three branches, History and Culture, Archaeology, and Architecture. SHPD maintains the Hawaii Register of Historic Places, which recognizes districts, sites, structures,

buildings, and other objects in Hawaii's history, architecture, archaeology, engineering, and culture. The National Park Service (NPS) maintains the National Register of Historic Places, which includes significant properties nominated by State and Federal agencies, historic areas in the National Park System, and all National Historic Landmarks.

The project site is the existing track and field facility, which is not listed on the Hawaii Register of Historic Places or the National Register of Historic Places and contains no historical significance. The entirety of the project area is a previously utilized environment. The proposed project was reviewed by the State Historic Preservation Division (SHPD), and SHPD concurs with DOE's determination of "no historic properties affected" for the proposed project (see **Appendix D**). A review of SHPD records indicated that several archaeological literature review and field inspection (LRFI) reports have been completed for projects within the subject parcel, and none identified archaeological historic properties within the project area. In the unlikely event that subsurface historic resources, including human skeletal remains, structural remains, cultural deposits, artifacts, sand deposits, or sink holes are identified during the demolition and/or construction work, the Contractor shall cease work in the immediate vicinity of the find, protect the find from additional disturbance, and contact SHPD.



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**WETLANDS MAP**

### 3.3 Social and Cultural Environment

#### 3.3.1 Population

Socioeconomic projections up to the year 2045 were prepared by the CCH Department of Planning and Permitting for the eight Development Plan and Sustainable Communities Plans areas. The projected resident population for the Waianae area is shown in **Table 2**.

**Table 2. Projected Resident Population by Year**

2020	2030	2040	2045
51,965	53,600	52,400	51,800

#### 3.3.2 Economy

According to the Waianae Sustainable Communities Plan, the Waianae community has “lagged” behind the rest of Oahu in terms of economic development and employment opportunities for its residents, and the economic gap between the Waianae community residents and the rest of Oahu has been widening since 1980. According to the U.S. Census Bureau, it was found that in 2000 most workers on the Leeward Coast work elsewhere.

#### 3.3.3 Cultural Resources

The project site has been developed and used as a track and field since its original construction in 1957. The entirety of the project area is a previously utilized environment. A review of SHPD records indicated that several archaeological literature review and field inspection (LRFI) reports have been completed for projects within the subject parcel, and none identified archaeological historic properties within the project area.

## 4 PROBABLE IMPACTS AND MITIGATIVE MEASURES

### 4.1 Short-Term Impacts

Short-term impacts are associated with the construction activities at the project site. The impacts are not anticipated to be significant and will be controlled and minimized by laws and regulations, best management practices, permit requirements, and construction monitoring.

#### 4.1.1 Noise

Construction work, machinery operation, and truck traffic will generate temporary noise. The Contractor will be required to comply with HAR Chapter 11-46, “Community Noise Control.” HAR Chapter 11-46 sets maximum permissible sound levels. An approved Community Noise Permit may be required if construction noise exceeds the maximum level and has a total cost of more than \$250,000 (based on the value of the building permit). Normal construction work hours will be during the hours of 7:00 AM to 3:30 PM Monday through Friday, and if needed, weekend work may be allowed as approved by DOE. Certain construction equipment, such as pile drivers, hydraulic hammers, and jack hammers, shall be restricted to 9:00 AM to 5:30 PM, Monday through

Friday. Construction exceeding the maximum permissible sound levels outside of these hours will require a Community Noise Variance. Permits and variances required from the DOH Indoor and Radiological Health Branch would be obtained by the Contractor prior to construction.

#### **4.1.2 Air Quality**

Potential short-term impacts on air quality will be mitigated by Best Management Practices (BMPs). Fugitive dust and exhaust from construction vehicles and equipment traffic and earthmoving activities will be minimized by appropriate BMPs such as regular water sprinkling, particularly during earthwork, limiting vehicle and equipment speeds over unpaved surfaces, protecting stockpiles of excavated material, and proper maintenance of machinery and vehicles.

#### **4.1.3 Traffic**

No work on Farrington Highway or CCH streets is proposed. Construction vehicles hauling materials and workers to and from WHS may contribute to traffic volume on Farrington Highway, and it is recommended that construction deliveries be scheduled to avoid peak hours. Temporary impacts to traffic may occur during construction of the proposed project, but the impacts are anticipated to be minimal.

#### **4.1.4 Erosion and Water Quality**

The proposed project includes earth-disturbing activities. Erosion control measures will be implemented.

A grading permit will need to be obtained for the proposed project. The grading permit requires compliance with ROH Chapter 18A, Articles 1, 2, 3, and 4 as related to grading, soil erosion and sediment control. The proposed project is classified as a Category 5 project, and an Erosion and Sediment Control Plan (ESCP) must be prepared by a Certified ESCP Preparer per the CCH Rules Relating to Water Quality. The ESCP shall include, at a minimum, BMPs to address and achieve:

- Erosion control, such as temporary and permanent stabilization, preserving existing vegetation, and minimizing soil compaction.
- Sediment control to prevent release of sediment laden waters to receiving waters. Sediment control best management practices (BMPs) include but are not limited to, storm drain inlet protection and perimeter controls.
- Good housekeeping practices to prevent and minimize pollutant discharges to receiving waters. Good housekeeping practices include but are not limited to, BMP and site maintenance, dust control, stockpile management, vehicle cleaning/fueling/maintenance BMPs, and tracking control.

The project shall comply with HAR Chapter 11-54, “Water Quality Standards” and Chapter 11-55, “Water Pollution Control.” In compliance with HAR Chapter 11-55, a National Pollution Discharge Elimination System (NPDES) permit will be obtained for the project.

If an unforeseen event impacting the natural environment occurs, such as an unexpected release of sediment-laden runoff or chemical spill, the Contractor should notify DAR immediately to assess the situation and to determine potential impacts on the aquatic environment.

#### **4.1.5 Night Work**

Night work is not anticipated. Night work can negatively affect seabirds, which are nocturnal and can be disoriented by artificial lights. Responsible lighting practices (downward facing, shielded lights) shall be implemented to minimize disturbance to nocturnal birds. If night work is required, the lighting to be utilized shall only be the existing school and stadium lighting and shall comply with LUO Section 21-4.100 on Outdoor Lighting.

#### **4.1.6 Hazardous Materials**

There are no sites listed in the DOH Solid and Hazardous Waste Branch, Hawaii Leaking Underground Storage Tank Database, nor incidents listed in the DOH Hazard Evaluation and Emergency Response Office records at the project site.

### **4.2 Long-Term Impacts**

Long-term impacts are generally those impacts that are anticipated due to use of the track and field facility.

#### **4.2.1 Water Quality**

Several ordinances, rules, and permit requirements regulate developments with regards to their impact on storm water. A grading permit will need to be obtained for the proposed project.

In accordance with the grading permit, the drainage pattern with respect to adjoining, downstream, and surrounding properties will not be altered. The proposed project is anticipated to have no significant adverse effects on surrounding properties.

The grading permit also requires compliance with the CCH Rules Relating to Water Quality. The proposed project is classified as a Priority A project and must meet post-construction storm water requirements. The post-construction storm water requirements include incorporation of the following:

- Appropriate low impact development (LID) site design strategies to the maximum extent practicable. LID site design strategies can include minimizing impervious surfaces and directing runoff to landscaped areas.
- Appropriate source control BMPs to the maximum extent practicable. Source control BMPs are low-technology practices designed to prevent pollutants from contacting storm water runoff or to prevent discharge of contaminated runoff to the storm drainage system.
- Post-construction treatment control BMPs. Post-construction BMPs are permanent BMPs that remain after construction is complete. The Rules require that as much of the water quality volume (WQV) as feasible be retained on-site through infiltration or harvest/reuse BMPs. Any of the WQV that cannot be retained must be biofiltered before off-site release as much as feasible.

The proposed project shall comply with the ordinances, rules, and permit requirements regarding water quality, and therefore, the proposed project is not anticipated to have a negative impact on water quality.



## 4.2.2 Visual Impacts

The proposed project is not anticipated to have visual impacts. There are no significant visual resources situated within the school campus that would be affected by the proposed project nor are there any important coastal views from Farrington Highway through the school property. The 1987 Coastal View Study does not identify coastal scenic resources across Waianae High School from Farrington Highway. The project site is the existing track and field facility, and the project scope is to replace the existing track and field with a new synthetic turf field and a new synthetic surface track. Therefore, the proposed project will not alter natural landforms and existing public views to and along the shoreline.

## 4.2.3 Historical, Archaeological, and Cultural Impacts

Based on background information, no adverse impacts on historical or archaeological sites or on cultural practices are anticipated. In the unlikely event that subsurface historic resources, including human skeletal remains, structural remains, cultural deposits, artifacts, sand deposits, or sink holes are identified during the demolition and/or construction work, the Contractor shall cease work in the immediate vicinity of the find, protect the find from additional disturbance, and contact SHPD.

## 4.2.4 Utilities

Water service at WHS is provided by the Honolulu Board of Water Supply. Wastewater generated at WHS is conveyed to the CCH Waianae Wastewater Treatment Plant. Electrical service is provided by Hawaiian Electric Company (HECO), telephone service is provided by Hawaiian Telcom, and cable television service is provided by Spectrum.

At the project site, there are existing irrigation lines, a drainage channel, and electrical ducts.

The existing irrigation lines in the field will be demolished, and 2 new quick couplers will be installed. The proposed project will decrease water demand as the demand reduction from demolition exceeds the demand of the proposed work. All demands affected by this project are off-peak demands.

The existing drainage channel will not be altered or affected by the proposed project. The proposed project will include a subsurface drainage system under the field that will meet the CCH Rules Relating to Water Quality, including the post-construction storm water requirements.

Electrical improvements within the project site are minimal and include installation of two athletic field power enclosures that will be able to provide power for small track equipment, such as computers and photo finish timing system. There are existing field lights outside of the project site, and the proposed project will not affect the existing field lights.

## 4.3 Secondary Impacts

### 4.3.1 Population Growth

Secondary growth impacts are not anticipated as a result of this project. The proposed project will have no impact on school enrollment. The proposed project is intended to serve the existing

student population and is not intended to change the current sports activities at WHS. Development of the surrounding areas is independent of the proposed project.

### **4.3.2 Public Facilities**

#### **Police Protection**

The project site is located within Honolulu Police Department (HPD) District 8 – Kapolei/Waianae. The main police station for District 8 is the Kapolei Police Station at 1100 Kamokila Boulevard in Kapolei. The nearest substation is the Waianae Substation, located approximately 1.2 miles southeast of WHS.

As discussed in **Section 4.1.3**, it is not anticipated that there will be appreciable impacts on traffic flow; therefore, police protection services should not be affected.

#### **Fire Protection**

The nearest fire station to the WHS campus is the Waianae Fire Station, and it is located approximately 0.6 miles southeast of WHS. Waterlines potentially affected by the proposed project are located within the school property which is not expected to affect external water transmission and distribution mains; therefore, fire protection services should not be affected.

The proposed project does not include structures or buildings, and the proposed project complies with the Fire Code of the City and County of Honolulu.

Western Oahu is characterized by steep slopes, rough terrain, strong winds, and an abundance of ignitable invasive grasses. These characteristics together with warm weather, recurring drought conditions, and a history of human-caused fires increase the risk of wildfire<sup>1</sup>. The proposed project is within an existing school campus within a developed urban area. Hardscaped areas can break up the continuity of vegetative fuels, and regular maintenance of landscaped areas can help with vegetative fuel management.

#### **Educational Facilities**

In addition to Waianae High School, there are several schools within the DOE Waianae complex, including Leihoku Elementary, Maili Elementary, Makaha Elementary, Waianae Elementary, and Waianae Intermediate. The proposed project will directly benefit the public school system by providing better athletic facilities for the students of WHS. The project is not anticipated to increase student population.

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<sup>1</sup> Western Oahu Community Wildfire Protection Plan (2016), developed by the Hawaii Wildfire Management Organization

## 4.4 Cumulative Impacts

Cumulative impacts are impacts that result from the action when added to other past, present, and foreseeable future actions.

The proposed project primarily consists of replacing the existing dirt track and grass field with a synthetic turf field and all-weather synthetic surface track and relocating track events to adjacent areas. The proposed improvements are complemented by existing facilities surrounding the existing track and field. There are existing bleachers on the home side and visitor side of the field that provide spectator seating for events at the track and field.

The proposed project does not include outdoor lighting. However, there are existing field lights outside of the project site that are only turned on to illuminate the track and field during evening school events which include athletic games and practices, as well as commencement. According to the SMA permit that was obtained for the existing bleachers and lights, the pole mounted light standards are shielded as much as possible and illumination is directed downward to the athletic field. The lighting is not directed into the sky.

The proposed project is not anticipated to have a substantial adverse impact when considered together with past actions, and the proposed project is not anticipated to trigger additional future actions in the area. Therefore, the proposed project is not anticipated to have a substantial adverse cumulative impact.

Two future projects at WHS are anticipated within the next ten years:

- **Marine Science Learning Center Expansion:** This future project is an extension of the existing fenced Marine Science Learning Center with a Fish Hatchery and will be used for the purpose of aquaculture with accessory labs, teaching and office facilities. It will incorporate the necessary utility, fencing, paving work, provide and reconfigure the vehicular and accessible pedestrian access to support the new facilities and maintain the existing facilities. Existing field fencing, batting cage and storage containers will be replaced and reconfigured to accommodate the expanded Marine Science Learning Center.
- **Softball Field Improvements:** The planned project will provide improvements for the softball program for compliance with Title IX (gender equity). Project improvements include a new batting cage, bullpens, storage, dugout improvements, and appurtenant improvements. The project may also include replacement of fencing, and field improvements if warranted by their age and condition. At this time, there is no funding and therefore no specific timeline for the project. However, DOE anticipates that the project could be completed within ten years.

The proposed track and field improvements project is not anticipated to have a substantial cumulative impact when considered with these future projects.

## 5 ALTERNATIVES TO THE PROPOSED ACTION

### 5.1 No Action

Under the No Action alternative, the athletic track and field would remain as a grassed field and dirt track, and the soccer field would not meet the size and clearance guidelines of the NFHS.

Synthetic track and fields provide a facility that can be used during and after inclement weather whereas grass fields and dirt tracks are either heavily damaged or not able to be utilized during such weather events. The proposed synthetic field is well-draining and designed for adequate storm water storage in accordance with the CCH Rules Relating to Water Quality to increase infiltration of storm water into the soil. Grass fields require irrigation and regular maintenance. Under the No Action alternative, irrigation water use at the track and field will not be reduced, and maintenance staff will need to continue maintaining the field, including mowing, fertilizing, and addressing bare areas. Synthetic turf fields are relatively easy to maintain, typically requiring only periodic grooming and sweeping using a small field utility vehicle. Dirt tracks also typically require some maintenance (e.g., to fix holes and re-level the surface), but oftentimes, dirt tracks go unmaintained for years. The dirt track would be more susceptible to erosion and runoff during heavy rain events or high waves. Synthetic tracks typically do not require maintenance other than retopping to extend the life of the track. In addition, grass fields and dirt tracks require maintenance staff to stripe the field and track lanes for events and even practices.

Synthetic turf fields and all-weather synthetic surface tracks are becoming more prevalent throughout the State of Hawaii. Synthetic track and fields are reported to be safer than grass fields and dirt tracks due to the maintenance. The proposed synthetic turf field must pass tests of its ability to absorb shock, and synthetic tracks also provide shock absorption and cushioning as well as a stable, textured surface for traction. Due to these factors, studies indicate that injuries are less frequent and less severe on synthetic fields and tracks than grass fields and dirt tracks. Poorly maintained grass fields and dirt tracks can also increase injury.

With synthetic turf fields and synthetic tracks becoming more common in Hawaii, constructing a synthetic turf field and synthetic track for WHS provides equity. It will allow WHS student-athletes to practice and play on facilities similar to other schools in addition to increased athletic performance of faster track times and results.

The No Action alternative will maintain the status quo, and the WHS track and field facility will not be upgraded to a synthetic turf field and synthetic track. The purpose of supporting educational programs and activities that enhance physical fitness by providing better athletic facilities would not be met.

### 5.2 Site Alternatives

The WHS property has been built out through the years leaving no open area at WHS large enough for relocation of the existing track and field. The track and field site requires approximately 4 acres, and there are national requirements regarding its shape and size.

The only option to relocate the track and field to an alternative location within the WHS property is to relocate other existing school buildings and facilities to the existing track and field site to open up an alternative area. The cost to relocate 4 acres worth of school buildings and facilities in addition to the cost to relocate the track and field and ancillary structures, such as the bleachers and field lights, would be astronomical and not feasible. The logistics would also likely leave WHS without a track and field for an extended period during the relocation of the school buildings and facilities and subsequent relocation of the track and field. Further, this would place buildings closer to the shoreline and within the 3.2-foot sea level rise exposure area which would be more detrimental to the buildings than to an athletic track and field. This alternative was deemed cost-prohibitive and infeasible.

Another site alternative would be for the DOE to acquire land for a new track and field site for WHS. Land acquisition by DOE typically takes more than a few years due to required studies such as environmental / hazmat and other due diligence parcel studies to clear the site prior to acquisition. After land acquisition, the track and field and ancillary structures, such as the bleachers and field lights, would need to be constructed. The approximate cost for this option, including land acquisition, design, and construction, could be on the order of 4 times the proposed project cost, and required permitting would delay this option for years. In addition, the beneficial use of the relocated facility will be limited. The off-site property would be difficult for students to travel to, and the distance to the site will likely eliminate the ability to use the track and field for educational programs, such as physical education.

## **6 IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES**

There are several irreversible commitments of resources including land and the financial resource to construct capital improvements, and to operate and maintain the facility. The commitment of land, labor, materials, energy, equipment and financial resources that are practically irreversible and irretrievable is warranted to achieve the long-term commitment to promoting public health and supporting educational programs and activities that enhance physical fitness by providing better athletic facilities.

## 7 DETERMINATION

In accordance with HAR Section 11-200.1-13, the potential effects of the proposed project are evaluated for the Thirteen Administrative Criteria for Significance as summarized below:

1. Irrevocably commit a natural, cultural, or historic resource:

No natural, cultural, or historic resources were identified in or are anticipated to be affected by the proposed project. The proposed project is therefore not expected to irrevocably commit any natural, cultural, or historic resource.

2. Curtail the range of beneficial uses of the environment:

Construction of the proposed project and its intended uses will not curtail the range of beneficial uses of the environment as the project site is currently developed. Short-term construction-related impacts on the environment related to water quality, air quality, and noise quality will be mitigated by the implementation of BMPs as indicated in the respective sections.

3. Conflict with the State's environmental policies or long-term environmental goals established by law:

The proposed project is in conformance with the State's environmental policies and long-term environmental goals. All permits and approvals required for the project according to State and County rules and regulations will be obtained. BMPs will be implemented to prevent degradation of the environmental conditions.

4. Have a substantial adverse impact on the economic welfare, social welfare, or cultural practices of the community and State:

The proposed project is not anticipated to have a substantial adverse impact on the economic welfare, social welfare, or cultural practices of the community and State.

5. Have a substantial adverse effect on public health:

Public health and safety are of the utmost importance, and measures will be taken to ensure protection. The proposed project will promote public health by providing better athletic facilities for the students of WHS. Negative impacts on public health resulting from the proposed project are not anticipated.

6. Involve adverse secondary impacts, such as population changes or effects on public facilities:

The DOE anticipates no increase in student population as a result of the proposed project, and as a result, no increase in demand on public facilities.

7. Involve a substantial degradation of environmental quality:

No substantial environmental degradation is anticipated. The DOE has committed itself to a development practice of environmental sustainability. BMPs will be implemented to mitigate potential short-term impacts which may occur during construction.

8. Be individually limited but cumulatively have substantial adverse effect upon the environment or involves a commitment for larger actions:

The proposed project together with past actions is not anticipated to have a substantial adverse effect upon the environment and does not involve a commitment for larger actions as discussed in **Section 4.4**. The project site is the existing track and field, and the proposed project is to upgrade the facility to a synthetic turf field and synthetic track.

9. Have a substantial adverse effect on a rare, threatened, or endangered species, or its habitat:

General information on state listed and/or federally listed species that have the potential to occur or transit through the vicinity of the proposed project area is provided in **Section 3.1.5**. BMP measures shall be implemented to minimize any impact, and therefore, it is anticipated that the project will not have a substantial adverse effect on a rare, threatened, or endangered species, or its habitat.

10. Have a substantial adverse effect on air or water quality or ambient noise levels:

Short term effects on air quality, water quality, and noise impacts during construction will be addressed by BMPs and by compliance with applicable permits.

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 majority of the proposed project is located in Flood Zone AE, which is subject to inundation by a 1% annual chance flood and is considered flood fringe area. A portion of the proposed project is also within the 0.5 and 3.2 feet sea level rise exposure area due to projected annual high wave events. The risk of damage from floods or high wave events on the proposed project, which does not include a structure, is minimal as discussed in **Sections 2.6 and 2.7**. The proposed project, along with the entire WHS campus, is within the Tsunami Evacuation Zone. In the event of a tsunami warning, the entire campus would be evacuated. As discussed in **Section 2.8**, the proposed project is anticipated to be entirely outside of the shoreline setback area.

12. Have a substantial adverse effect on scenic vistas and view planes, during day or night, identified in county or state plans or studies:

The proposed project will not have a substantial adverse effect on scenic vistas and view planes, during day or night. There are no significant visual resources situated within the school campus that would be affected by the proposed project nor are there any important coastal views from Farrington Highway through the school property. The project site is the

existing track and field facility, and the project scope is to replace the existing track and field with a new synthetic turf field and a new synthetic surface track.

13. Require substantial energy consumption or emit substantial greenhouse gases:

Construction, operation, and maintenance of the proposed project will involve minimal energy consumption and will not produce substantial greenhouse gases.

This Environmental Assessment has determined that the proposed project will not have significant impact on the environment, and an Environmental Impact Statement is therefore unwarranted. A Finding of No Significant Impact (FONSI) is issued for the proposed project.

## 8 LIST OF PERMITS AND APPROVALS

The following list of permits and approvals are anticipated to be required for the proposed project:

### State of Hawaii

1. National Pollutant Discharge Elimination System (NPDES), Notice of General Permit Coverage (NGPC).
2. Disability and Communication Access Board (DCAB) Document Review.
3. Chapter 6E-8 Historic Preservation Review.
4. Community Noise Permit, if applicable.

### City and County of Honolulu

1. Special Management Area Use Permit – Major Permit.
2. Grading Permit.
3. Building Permit.

## 9 CONSULTED PARTIES

An Early Consultation Letter was sent to various agencies and interest parties for the opportunity to provide preliminary comments prior to completing the Draft Environmental Assessment. The Draft Environmental Assessment was also distributed to various agencies and interested parties for review and comment, and comments were received during the 30-day public comment period on the Draft Environmental Assessment. The agencies and parties are listed below. Comments received and responses provided are incorporated in **Appendix A** and **Appendix B**.

### Federal Agencies

U.S. Army Corps of Engineers, Honolulu District, Regulatory Branch

U.S. Department of Agriculture, Natural Resources Conservation Service, Pacific Islands Area

U.S. Department of the Interior, Fish and Wildlife Service, Pacific Islands Fish and Wildlife Office

### State Agencies



Department of Accounting and General Services, Public Works Division

Department of Agriculture, Agricultural Resource Management Division

Department of Business, Economic Development, and Tourism, Office of Planning and Sustainable Development

Department of Education, Facilities Development Branch

Department of Hawaiian Home Lands

Department of Health, Clean Air Branch<sup>2</sup>

Department of Health, Clean Water Branch<sup>1</sup>

Department of Health, Safe Drinking Water Branch<sup>1</sup>

Department of Health, Solid and Hazardous Waste Branch<sup>1</sup>

Department of Health, Wastewater Branch

Department of Land and Natural Resources, Land Division

Department of Land and Natural Resources, State Historic Preservation Division

Department of Transportation

Office of Hawaiian Affairs

**City and County of Honolulu Agencies**

Board of Water Supply

Department of Design and Construction

Department of Environmental Services

Department of Facility Management

Department of Parks and Recreation

Department of Planning and Permitting

Department of Transportation Services

Honolulu Fire Department

Honolulu Police Department

**Other Individuals/Organizations**

Hawaiian Electric Company

Hawaiian Telcom

Spectrum

Waianae Coast No. 24 Neighborhood Board

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<sup>2</sup> Standard comments were consulted. DOH standard comments are intended to help applicants, consultants, and agencies to better prepare land use planning documents, such as Environmental Assessments.

## 10 REFERENCES

- 1 City and County of Honolulu, Department of Land Utilization, *Coastal View Study*. 1987.
- 2 City and County of Honolulu, Department of Planning and Permitting, *2020-2045 Projections by Development Plan Area*.
- 3 City and County of Honolulu, Department of Planning and Permitting, *Oahu General Plan*. November 2021.
- 4 City and County of Honolulu, Department of Planning and Permitting, *Rules Relating to Water Quality*.
- 5 City and County of Honolulu, Department of Planning and Permitting, *Waianae Sustainable Communities Plan*. March 2012.
- 6 City and County of Honolulu, *Revised Ordinances of Honolulu*.
- 7 Federal Emergency Management Agency (FEMA) Flood Insurance Map (FIRM) Panel 15003C0183H. November 2014.
- 8 Giambelluca, T.W., Q. Chen, A.G. Frazier, J.P. Price, Y.-L. Chen, P.-S. Chu, J.K. Eischeid, and D.M. Delparte, 2013: Online Rainfall Atlas of Hawai'i. Bull. Amer. Meteor. Soc. 94, 313-316, doi: 10.1175/BAMS-D-11-00228.1.
- 9 Hawaii Climate Change Mitigation and Adaptation Commission, *Hawaii Sea Level Rise Vulnerability and Adaptation Report*. 2017.
- 10 Hawaii Wildfire Management Organization, *Western Oahu Community Wildfire Protection Plan*. 2016.
- 11 State of Hawaii, Commission on Water Resource Management, *Water Resource Protection Plan, 2019 Update*.
- 12 State of Hawaii, Department of Business, Economic Development and Tourism, Office of Planning, Hawaii Statewide GIS Program.
- 13 State of Hawaii, Department of Health, Clean Water Branch, *2022 State of Hawaii Water Quality Monitoring and Assessment Report*. April 2022.
- 14 State of Hawaii, Department of Health, Clean Water Branch, *Water Quality Standards Map of the Island of Oahu*. 2014.
- 15 State of Hawaii, Department of Land and Natural Resources, Flood Hazard Assessment Tool.
- 16 State of Hawaii, *Hawaii State Plan*.
- 17 State of Hawaii, *Hawaii State Plan, Education Functional Plan*. 1989.

- 18 Tetra Tech, Inc. and University of Hawaii Coastal Geology Group, *Sea Level Rise – Exposure Area*. 2017.
- 19 U.S. Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey.
- 20 U.S. Department of Agriculture, Soil Conservation Service, Soil Survey, Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii, August 1972.
- 21 U.S. Geological Survey, *National Hydrography Dataset*.

**APPENDIX A:**

Early Consultation Correspondence

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# United States Department of the Interior



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

In Reply Refer To:  
2023-0078241-S7-001

May 19, 2023

Ms. Amanda Tanaka  
Fukunaga & Associates, Inc.  
1357 Kapiolani Blvd., Suite 1530  
Honolulu, Hawai'i 96814

Subject: Technical Assistance for the Draft Environmental Assessment for the Proposed Wai'anāe High School Track and Field Improvements Project, O'ahu

Dear Ms. Tanaka:

Thank you for your May 2, 2023 letter, requesting technical assistance for the Draft Environmental Assessment for the Proposed Wai'anāe High School Track and Field Improvements Project, located on the island of O'ahu. The State of Hawai'i, Department of Education is proposing improvements on the existing track and field located on the Wai'anāe High School campus [TMKs (1) 8-5-002:018 and (1) 8-5-015:001]. The site is also located within the Special Management Area. The proposed project includes replacement of the existing track and field with a new synthetic turf field and a new synthetic surface track; relocation of track events, including pole vault, long jump, high jump, and shotput; concrete sidewalk improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor's bleachers; and drainage improvements and other miscellaneous items.

Our letter has been prepared under the authority of and in accordance with provisions of the Endangered Species Act of 1973 (16 U.S.C. 1531 *et seq.*), as amended (ESA). We have reviewed the information you provided and pertinent information in our files, as it pertains to federally listed species in accordance with section 7 of the ESA. Our data indicate the following species may occur or transit through the vicinity of the proposed project area: the endangered 'ōpe'ape'a (Hawaiian hoary bat, *Lasiurus cinereus semotus*); and the endangered 'ua'u (Hawaiian petrel, *Pterodroma sandwichensis*), endangered Hawai'i distinct population segment (DPS) of the 'akē'akē (band-rumped storm-petrel, *Hydrobates castro*), and threatened 'a'o (Newell's shearwater, *Puffinus newelli*) (hereafter collectively referred to as Hawaiian seabirds). We provide the following to assist you in preparation of your project.

---

## PACIFIC REGION 1

IDAHO, OREGON\*, WASHINGTON,  
AMERICAN SAMOA, GUAM, HAWAII, NORTHERN MARIANA ISLANDS

\*PARTIAL

### ‘Ōpe‘ape‘a

‘Ōpe‘ape‘a roost in both exotic and native woody vegetation across all islands and will leave young unattended in trees and shrubs when they forage. If trees or shrubs 15 feet or taller are cleared during the pupping season, there is a risk that young ‘ōpe‘ape‘a could inadvertently be harmed or killed since they are too young to fly or may not move away. ‘Ōpe‘ape‘a forage for insects from as low as 3 feet to higher than 500 feet above the ground and can become entangled in barbed wire used for fencing.

To avoid and minimize impacts to the endangered ‘ōpe‘ape‘a we recommend you incorporate the following applicable measures into your project:

- Do not disturb, remove, or trim woody plants greater than 15 feet tall during the ‘ōpe‘ape‘a birthing and pup rearing season (June 1 through September 15).
- Do not use barbed wire for fencing.

### Hawaiian Seabirds

Hawaiian seabirds may traverse the project area at night during the breeding, nesting and fledging seasons (March 1 to December 15). Outdoor lighting could result in seabird disorientation, fallout, and injury or mortality. Seabirds are attracted to lights and after circling the lights they may become exhausted and collide with nearby wires, buildings, or other structures or they may land on the ground. Downed seabirds are subject to increased mortality due to collision with automobiles, starvation, and predation by dogs, cats, and other predators. Young birds (fledglings) traversing the project area between September 15 and December 15, in their first flights from their mountain nests to the sea, are particularly vulnerable.

To avoid and minimize potential project impacts to Hawaiian seabirds we recommend you incorporate the following applicable measures into your project:

- Fully shield all outdoor lights so the bulb can only be seen from below bulb height and only use when necessary.
- Install automatic motion sensor switches and controls on all outdoor lights or turn off lights when human activity is not occurring in the lighted area.
- Avoid nighttime construction during the seabird fledging period (September 15 through December 15).

We appreciate your efforts to conserve protected species. If you have questions regarding this response, please contact Charmian Dang, Fish and Wildlife Biologist (phone: 808-792-9400, email: [Charmian\\_Dang@fws.gov](mailto:Charmian_Dang@fws.gov)). When referring to this project, please include reference number: 2023-0078241-S7-001.

Sincerely,

Digitally signed  
by JINY KIM  
Date: 2023.05.19  
07:32:36 -10'00'

Acting Island Team Manager  
O‘ahu, Kaua‘i, Northwest Hawaiian Islands and  
American Samoa



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

July 13, 2023

Ms. Jiny Kim, Acting Island Team Manager  
U.S. Fish and Wildlife Service  
Pacific Islands Office  
300 Ala Moana Boulevard, Room 3-122  
Honolulu, Hawaii 96850

**SUBJECT: Early Consultation  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001  
2023-0078241-S7-001**

Dear Ms. Kim:

Thank you for your letter dated May 19, 2023 providing early consultation comments on the subject project. The general information provided on listed species that may occur or transit through the vicinity and guidance have been incorporated into the Draft EA.

We appreciate the input provided by your office and will transmit a copy of the Draft EA when published for review and comment. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE



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



KEITH A. REGAN  
COMPTROLLER  
KA LUNA HO'OMALU HANA LAULĀ

MEOH-LENG SILLIMAN  
DEPUTY COMPTROLLER  
KA HOPE LUNA HO'OMALU HANA LAULĀ

**STATE OF HAWAII | KA MOKU'ĀINA O HAWAII**  
**DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES | KA 'OIHANA LOIHELU A LAWELAWÉ LAULĀ**  
P.O. BOX 119, HONOLULU, HAWAII 96810-0119

(P)23.080

**MAY 17 2023**

Amanda Tanaka, P.E.  
Fukunaga & Associate, Inc., Consulting Engineers  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Tanaka:

Subject: Early Consultation Request for Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs: (1) 8-5-002:018 and (1) 8-5-015:001

Thank you for the opportunity to provide comments on the subject project. The project does not impact any of the Department of Accounting and General Services' projects or existing facilities along the Waianae coast, and we have no comments to offer at this time.

If you have any questions, your staff may call Dennis Chen of the Planning Branch at (808) 586-0491 or contact him via e-mail at [dennis.yk.chen@hawaii.gov](mailto:dennis.yk.chen@hawaii.gov).

Sincerely,

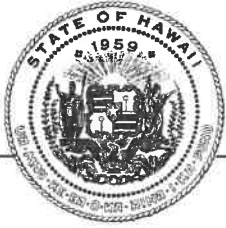
A handwritten signature in blue ink, appearing to read "CK", written over the printed name of Christine L. Kinimaka.

CHRISTINE L. KINIMAKA  
Public Works Administrator

DE:mo

**RECEIVED**  
**MAY 19 2023**





**STATE OF HAWAII  
OFFICE OF PLANNING  
& SUSTAINABLE DEVELOPMENT**

**JOSH GREEN, M.D.**  
GOVERNOR

**MARY ALICE EVANS**  
ACTING DIRECTOR

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

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

DTS202305050931NA

Coastal Zone  
Management  
Program

May 17, 2023

Environmental Review  
Program

Land Use Commission

Land Use Division

Special Plans Branch

State Transit-Oriented  
Development

Statewide Geographic  
Information System

Statewide  
Sustainability Branch

Ms. Amanda Tanaka, P.E.  
Fukunaga & Associates, Inc.  
1357 Kapiolani Blvd., Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Tanaka:

**Subject:** Early Consultation Request – Waianae High School Track and Field Improvements, Waianae, Oahu; Tax Map Keys: (1) 8-5-002: 018 and (1) 8-5-015: 001

The Office of Planning and Sustainable Development (OPSD) is in receipt of your early Environmental Assessment (EA) consultation request, received on May 5, 2023, for the proposed Waianae High School Track and Field Improvements Project, Waianae, Oahu.

According to the request, the State of Hawaii Department of Education proposes the Waianae High School Track and Improvement where the project site is at the existing track and field located on the Waianae High School campus, and is located within the county designated Special Management Area (SMA) under the Hawaii Coastal Zone Management (CZM) Law, Hawaii Revised Statutes (HRS) Chapter 205A.

The proposed Waianae High School Track and Field Improvements project includes work as described below:

- Replacement of the existing track and field with a new synthetic turf field and a new synthetic surface track.
- Relocation of track events, including pole vault, long jump, high jump, and shotput.
- Concrete sidewalk improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor's bleachers.
- Drainage improvements and other miscellaneous items.

The OPSD has reviewed the subject request, and has the following comments to offer:

Ms. Amanda Tanaka  
May 17, 2023  
Page 2

1. If an EA is required for the proposed school track and field improvements, the EA shall discuss all triggers of the subject EA set forth in HRS Chapter 343 and City and County of Honolulu SMA Ordinance.
2. The Hawaii CZM Law, HRS Chapter 205A, requires all state and county agencies to enforce the CZM objectives and policies. The subject EA should include an assessment with mitigation measures, if needed, as to how the proposed improvements conform to each of the CZM objectives and supporting policies set forth in HRS Chapter 205A-2, as amended.
3. The OPSD recommends that the EA specifically discuss the compliance with the requirements of SMA use under Revised Ordinances of Honolulu (ROH) Chapter 25, and shoreline setbacks under ROH Chapter 26 for the proposed project by consulting with the Department of Planning and Permitting, City and County of Honolulu.
4. To assess potential impacts of sea level rise on the property area, the OPSD suggests the EA refer to the findings of the Hawaii Sea Level Rise Vulnerability and Adaptation Report 2017, accepted by the Hawaii Climate Change Mitigation and Adaptation Commission. The Report, and Hawaii Sea Level Rise Viewer at <https://www.pacioos.hawaii.edu/shoreline/slr-hawaii/> particularly identifies a 3.2-foot sea level rise exposure area across the main Hawaiian Islands which may occur in the mid to latter half of the 21<sup>st</sup> century. The EA should provide a map of the 3.2-foot sea level rise exposure area in relation to the project area, and discuss site-specific mitigation measures including elevation and shoreline setbacks, to respond to potential impacts of 3.2-foot sea level rise, storm surges and shoreline erosion on the proposed development.
5. In enacting Act 224, Session Laws of Hawaii 2005, the legislature found that light pollution in Hawaii's coastal areas and artificial lighting illuminating the shoreline and ocean waters can be disruptive to avian and marine life. Pursuant to HRS §§ 205A-30.5(b) and 205A-71(b), for artificial lighting provided by a government agency or its authorized users for government operations, security, public safety, or navigational needs, a government agency or its authorized users shall make reasonable efforts to properly position or shield lights to minimize any adverse impacts.
6. The OPSD has developed guidance documents on stormwater runoff strategies, which offer techniques to prevent land-based pollutants and sediment from potentially affecting water resources. The OPSD recommends that the subject EA consider the following stormwater assessment guidance to mitigate stormwater runoff impacts:


Stormwater Impact Assessments can be used to identify and analyze information on hydrology, sensitivity of coastal and riparian resources, and management measures to control runoff, as well as consider secondary and cumulative impacts to the area.

Ms. Amanda Tanaka  
May 17, 2023  
Page 3

[https://files.hawaii.gov/dbedt/op/czm/initiative/stomwater\\_imapct/final\\_stormwater\\_impact\\_assessments\\_guidance.pdf](https://files.hawaii.gov/dbedt/op/czm/initiative/stomwater_imapct/final_stormwater_impact_assessments_guidance.pdf)

If you have any questions regarding this comment letter, please contact Shichao Li of our office at (808) 587-2841, or by email at [shichao.li@hawaii.gov](mailto:shichao.li@hawaii.gov).

Sincerely,

A handwritten signature in black ink that reads "Mary Alice Evans". The signature is written in a cursive, slightly slanted style.

Mary Alice Evans  
Acting Director



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

July 13, 2023

Ms. Mary Alice Evans, Acting Director  
State of Hawai'i  
Department of Business, Economic Development and Tourism  
Office of Planning and Sustainable Development  
P.O. Box 2359  
Honolulu, HI 96804

**SUBJECT: Early Consultation  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Ms. Evans:

Thank you for your letter dated May 17, 2023 providing early consultation comments on the subject project. We offer the following in response to the comments provided.

1. The EA discusses all triggers of the subject EA set forth in HRS Chapter 343 and the City and County of Honolulu SMA Ordinance.
2. The EA addresses the Hawaii CZM Law, HRS Chapter 205A.
3. The EA includes discussion of compliance with Revised Ordinances of Honolulu (ROH) Chapters 25 and 26.
4. The EA includes a map showing the 0.5-foot and 3.2-foot sea level rise exposure area in the vicinity of the project. The EA includes discussion of potential impacts and mitigation of 3.2-foot sea level rise, storm surges, and shoreline erosion on the proposed project.
5. The impact of outdoor lighting on avian life is discussed in the EA. Night work is not anticipated, and the proposed project does not include outdoor lighting.
6. The EA discusses storm water best management practices.

We appreciate the input provided by your office and will transmit a copy of the Draft EA when published for review and comment. Should you have any questions, please feel free to contact me at (808) 944-1821.

Ms. Mary Alice Evans

July 13, 2023

Page 2

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

Handwritten signature of Amanda Waki in cursive script.

---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

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

**SYLVIA LUKE**  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

**STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII**  
**DEPARTMENT OF LAND AND NATURAL RESOURCES**  
**KA 'OIHANA KUMUWAIWAI 'ĀINA**  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

May 22, 2023

LD 0395

Amanda Tanaka, P.E.  
FUKUNAGA & ASSOCIATES, INC.  
1357 Kapiolani Blvd., Suite 1530  
Honolulu, HI 96814

*Via email: [office@fukunagaengineers.com](mailto:office@fukunagaengineers.com)*

To Whom It May Concern:

**SUBJECT:** Early Consultation Request  
Waianae High School Track and Field Improvements  
Waianae, Island of Oahu  
TMK: (1) 8-5-002:018 and 8-5-015:001

Thank you for the opportunity to review and comment on the subject matter. The Land Division of the Department of Land and Natural Resources (DLNR) distributed or made available a copy of your request pertaining to the subject matter to DLNR's Divisions for their review and comments.

At this time, the DLNR has no comments to offer on the subject matter. If you have any questions, please feel free to contact Barbara Lee at (808) 587-0453 or [barbara.j.lee@hawaii.gov](mailto:barbara.j.lee@hawaii.gov). Thank you.

Sincerely,

*Russell Tsuji*

Russell Y. Tsuji  
Land Administrator

cc: Central Files

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

May 23, 2023

LD 0395

Amanda Tanaka, P.E.  
FUKUNAGA & ASSOCIATES, INC.  
1357 Kapiolani Blvd., Suite 1530  
Honolulu, HI 96814

*Via email: office@fukunagaengineers.com*

To Whom It May Concern:

SUBJECT: Early Consultation Request  
Waianae High School Track and Field Improvements  
Waianae, Island of Oahu  
TMK: (1) 8-5-002:018 and 8-5-015:001

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 comments received from our Division of Aquatic Resources. Should you have any questions, please feel free to contact Barbara Lee via email at [barbara.j.lee@hawaii.gov](mailto:barbara.j.lee@hawaii.gov). Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Russell Y. Tsuji".

Russell Y. Tsuji  
Land Administrator

Attachments  
cc: Central Files

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

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

P.O. BOX 621  
HONOLULU, HAWAII 96809

May 04, 2023

LD 0395

MEMORANDUM

TO: **DLNR Agencies:**  
 Div. of Aquatic Resources (via email: kendall.l.tucker@hawaii.gov)  
 Div. of Boating & Ocean Recreation  
 Engineering Division (via email: DLNR.Engr@hawaii.gov)  
 Div. of Forestry & Wildlife (via email: Rubyrosa.T.Terrago@hawaii.gov)  
 Div. of State Parks  
 Commission on Water Resource Management (via email: DLNR.CWRM@hawaii.gov)  
 Office of Conservation & Coastal Lands (via email: sharleen.k.kuba@hawaii.gov)  
 Land Division – Oahu District (via email: barry.w.cheung@hawaii.gov)  
 Aha Moku (via email: leimana.k.damate@hawaii.gov)

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

SUBJECT: **Early Consultation for Waianae High School Track and Field Improvements**

LOCATION: Waianae, Island of Oahu, Hawaii

APPLICANT: **FUKUNAGA & ASSOCIATES, INC. on behalf of the Department of Education**

TMK: (1) 8-5-002:018 and 8-5-015:001

Transmitted for your review and comment is information on the above-referenced project. Please review the attached information and submit any comments by the internal deadline of **May 18, 2023** to [barbara.j.lee@hawaii.gov](mailto:barbara.j.lee@hawaii.gov) at the Land Division.

If no response is received by the above due date, we will assume your agency has no comments at this time. Should you have any questions about this request, please contact Barbara Lee at the above email address. Thank you.

**BRIEF COMMENTS:**

- We have no objections.
- We have no comments.
- We have no additional comments.
- Comments are included/attached.

Signed: *[Signature]*

Print Name: Brian J. Neilson- Administrator

Division: Division of Aquatic Resources

Date: May 18, 2023

Attachments  
Cc: Central Files



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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

LAURA H.E. KAAKUA  
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 | KA MOKU'ĀINA 'O HAWAII  
DEPARTMENT OF LAND AND NATURAL  
RESOURCES DIVISION OF AQUATIC RESOURCES  
1151 PUNCHBOWL STREET, ROOM 330  
HONOLULU, HAWAII 96813

Date: 5/18/2023

DAR # AR6403

MEMORANDUM

TO: Brian J. Neilson  
DAR Administrator

FROM: Kendall Tucker, Aquatic Biologist

SUBJECT: Early Consultation for Waianae High School Track and Field Improvements

Request Submitted by: Russell Tsuji-Administrator Land Division  
Waianae, Island of Oahu, Hawaii TMK: (1) 8-5-002:018 and 8-5-015:001

Location of Project: \_\_\_\_\_

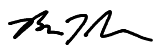
Brief Description of Project:

The Waianae High School Track and Field Improvements project is proposed by the State of Hawaii, Department of Education (DOE). The project site is the existing track and field located on the Waianae High School (WHS) campus in Waianae, Oahu. WHS consists of TMKs (1)8-5-002:018 and (1)8-5-015:001 and is located within the Special Management Area (SMA).

Comments:

No Comments  Comments Attached

Thank you for providing DAR the opportunity to review and comment on the proposed project. Should there be any changes to the project plan, DAR requests the opportunity to review and comment on those changes.

Comments Approved:  Date: May 18, 2023  
Brian J. Neilson  
DAR Administrator

DAR# AR6403

#### Brief Description of Project

Since its original construction in 1957, the existing track and field has only undergone minor repairs to replace the field irrigation system, resurface the cinder track, and repair/replace the track bridges over the drainage channel. Other projects have added lights and permanent bleachers around the field. The proposed project will replace the existing cinder track and grass field with a new synthetic turf field and a new all-weather synthetic surface track. The project also proposes to relocate several track events to adjacent areas to allow the soccer field to be reconstructed to meet the size and clearance guidelines of the National Federation of State High School Associations (NFHS).

The proposed Waianae High School Track and Field Improvements project includes work as described below:

- Replacement of the existing track and field with a new synthetic turf field and a new synthetic surface track.
- Relocation of track events, including pole vault, long jump, high jump, and shotput.
- Concrete sidewalk improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor, s bleachers.
- Drainage improvements and other miscellaneous items.

DAR# AR6403

Comments

Due to the proposed projects close proximity to the ocean, the Division of Aquatic Resources (DAR) requests the following BMPs be included to address proper storage, handling and use of materials near an aquatic resource.

A pollution and erosion control plan for the project site and adjacent areas should be prepared and carried out. Proper installation and maintenance of silt fences/curtains, silt saucers, equipment diapers, or drip pan. A contingency plan to control and clean spilled petroleum products and other toxic materials. Appropriate materials to contain and clean potential spills should be stored at the work site, and be readily available. Daily pre-work inspections of heavy equipment for cleanliness and leaks, with all heavy equipment operations postponed or halted until leaks are repaired and equipment is cleaned. Fueling of project-related vehicles and equipment will take place at least 50 feet away from the water and within a containment area, preferably over an impervious surface. We recognize that given the setback, encounters with aquatic life such as monk seals and/or sea turtles inside the proposed construction area are unlikely. However, we would like measures be taken to ensure all contractors and crew be aware that should a turtle or seal enter the property or project site, all work should cease in the immediate area, required setbacks from the animal be observed, and DAR be contacted immediately. Similarly, DAR requests that the applicants note in their protocols that should an unforeseen event impacting the natural environment occur, we be contacted immediately to assess the situation and determine potential impacts on the aquatic environment. Such events include (but aren't limited to) chemical spills, unexpected releases of sediment-laden water, impacts from flooding or high tides, or alterations to the stated building plan.

Thank you for the opportunity to comment on the proposed project. DAR requests the opportunity to review and comment on this project if any changes are made to the work plan.



FUKUNAGA & ASSOCIATES, INC.  
CONSULTING ENGINEERS

LD 0395

DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

2023 MAY -4 PM 2:22

RECEIVED  
LAND DIVISION

May 2, 2023

Mr. Russell Y. Tsuji, Administrator  
State of Hawai'i  
Department of Land and Natural Resources  
Land Division  
1151 Punchbowl Street, Room 220  
Honolulu, HI 96813

SUBJECT: Early Consultation Request  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001

Dear Mr. Tsuji:

On behalf of the State of Hawaii, Department of Education (DOE), we are in the early consultation and data gathering process in preparation of the Draft Environmental Assessment (EA) for the proposed Waianae High School Track and Field Improvements project. We respectfully request your review of the following project information and provision of any comments and information that may be pertinent to the preparation of the Draft EA for the subject project.

The Waianae High School Track and Field Improvements project is proposed by the State of Hawaii, Department of Education (DOE). The project site is the existing track and field located on the Waianae High School (WHS) campus in Waianae, Oahu and is shown on the attached **Figure 1**. WHS consists of TMKs (1)8-5-002:018 and (1)8-5-015:001 and is located within the Special Management Area (SMA).

WHS, home of the Seairiders, opened in 1957 at its present location with 6 permanent classroom buildings, a serving kitchen, administration building, separate PE locker rooms for boys and girls, 3 portable classroom buildings, and an athletic track and field. Today, the campus features 24 permanent buildings, 28 portables, athletic facilities, and support facilities and has an enrollment of approximately 1,800 high school students.

The mission of WHS is to build a collaborative learning environment and culture that emphasizes responsibility, innovation, complex thinking, effective communication, and excellence. WHS is part of the Oahu Interscholastic Association (OIA) which recognizes athletics as an integral part of the educational program of its high schools. As also noted by DOE, studies suggest a strong correlation between participating in athletics and academic



Mr. Russell Y. Tsuji  
May 2, 2023  
Page 2

success. The WHS track and field is used for practice, games, and competitions for multiple sports, including football, soccer, and track and field. WHS typically hosts about five home games per season/team/sport. The track and field is also used by the physical education program and for the school's commencement exercise.

Since its original construction in 1957, the existing track and field has only undergone minor repairs to replace the field irrigation system, resurface the cinder track, and repair/replace the track bridges over the drainage channel. Other projects have added lights and permanent bleachers around the field. The proposed project will replace the existing cinder track and grass field with a new synthetic turf field and a new all-weather synthetic surface track. The project also proposes to relocate several track events to adjacent areas to allow the soccer field to be reconstructed to meet the size and clearance guidelines of the National Federation of State High School Associations (NFHS).

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- Concrete sidewalk improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor's bleachers.
- Drainage improvements and other miscellaneous items.

Thank you in advance for your review of this project. We kindly request a response by May 22, 2023 with any comments or concerns, or indication that there are none. Should you have any questions, please feel free to contact me at [office@fukunagaengineers.com](mailto:office@fukunagaengineers.com) or (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.



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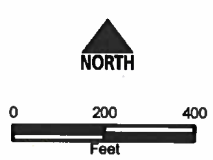
Amanda Tanaka, P.E.

cc: Mitch Tamayori, State of Hawaii DOE





**Waianae High School  
Track and Field  
Improvements**



LEGEND:

**Waianae High School Track and Field Improvements  
Draft Environmental Assessment**

**LOCATION MAP**

FUKUNAGA & ASSOCIATES, INC.  
Consulting Engineers

Figure 1

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

June 27, 2023

LD 0395

Amanda Tanaka, P.E.  
FUKUNAGA & ASSOCIATES, INC.  
1357 Kapiolani Blvd., Suite 1530  
Honolulu, HI 96814

*Via email: [office@fukunagaengineers.com](mailto:office@fukunagaengineers.com)*

To Whom It May Concern:

SUBJECT: Early Consultation Request  
Waianae High School Track and Field Improvements  
Waianae, Island of Oahu  
TMK: (1) 8-5-002:018 and 8-5-015:001

Thank you for the opportunity to review and comment on the above subject. In addition to previous comments sent to you from the Department of Land and Natural Resources (DLNR) dated May 23, 2023, enclosed are comments received from DLNR's Division of Forestry and Wildlife.

Should you have any questions, please feel free to contact Timothy Chee at (808) 587-0439 or [timothy.chee@hawaii.gov](mailto:timothy.chee@hawaii.gov). Thank you.

Sincerely,

*Russell Tsuji*

Russell Y. Tsuji  
Land Administrator

Attachment

cc: Central Files



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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'AINA



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

STATE OF HAWAII | KA MOKU'AINA 'O HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'AINA  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

May 04, 2023

LD 0395

MEMORANDUM

FROM:

**DLNR Agencies:**

- Div. of Aquatic Resources (via email: kendall.l.tucker@hawaii.gov)
- Div. of Boating & Ocean Recreation
- Engineering Division (via email: DLNR.Engr@hawaii.gov)
- Div. of Forestry & Wildlife (via email: Rubyrosa.T.Terrago@hawaii.gov)
- Div. of State Parks
- Commission on Water Resource Management (via email: DLNR.CWRM@hawaii.gov)
- Office of Conservation & Coastal Lands (via email: sharleen.k.kuba@hawaii.gov)
- Land Division – Oahu District (via email: barry.w.cheung@hawaii.gov)
- Aha Moku (via email: leimana.k.damate@hawaii.gov)

*Russell Tsuji*

TO:

Russell Y. Tsuji, Land Administrator

SUBJECT:

**Early Consultation for Waianae High School Track and Field Improvements**

LOCATION:

Waianae, Island of Oahu, Hawaii

TMK: (1) 8-5-002:018 and 8-5-015:001

APPLICANT:

**FUKUNAGA & ASSOCIATES, INC. on behalf of the Department of Education**

Transmitted for your review and comment is information on the above-referenced project. Please review the attached information and submit any comments by the internal deadline of **May 18, 2023** to [barbara.j.lee@hawaii.gov](mailto:barbara.j.lee@hawaii.gov) at the Land Division.

If no response is received by the above due date, we will assume your agency has no comments at this time. Should you have any questions about this request, please contact Barbara Lee at the above email address. Thank you.

**BRIEF COMMENTS:**

- We have no objections.
- We have no comments.
- We have no additional comments.
- Comments are included/attached.

Signed:

*Lainie Berry*

Print Name:

LAINIE BERRY, Wildlife Program Mgr

Division:

Division of Forestry and Wildlife

Date:

Jun 9, 2023

Attachments

Cc: Central Files



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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KĀ'ĀINA



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

LAURA H.E. KAAKUA  
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 | KA MOKU'ĀINA 'O HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA

DIVISION OF FORESTRY AND WILDLIFE  
1151 PUNCHBOWL STREET, ROOM 325  
HONOLULU, HAWAII 96813

June 9, 2023

Log no. 4097

**MEMORANDUM**

**TO:** RUSSELL Y. TSUJI, Administrator  
Land Division

**FROM:** LAINIE BERRY, Wildlife Program Manager  
Division of Forestry and Wildlife

**SUBJECT: Division of Forestry and Wildlife Comments for the Waianae High School Track and Field Improvements in Waianae on Oahu**

The Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW) has received your request for comments for the Waianae High School Track and Field Improvements on the island of Oahu, TMKs: (1) 8-5-002:018 and (1) 8-5-015:001. The proposed project will replace the existing cinder track and grass field with a new synthetic turf field and a new all-weather-synthetic surface track, involving relocation of track events; including pole vault, long jump, high jump, and shotput; involving concrete sidewalk improvements and drainage improvements, as well as additional miscellaneous items.

The State listed 'Ōpe'ape'a or Hawaiian Hoary Bat (*Lasiurus cinereus semotus*) could potentially occur at or in the vicinity of the project and may roost in nearby trees. Any required site clearing should be timed to avoid disturbance to bats during their birthing and pup-rearing season (June 1 through September 15). During this period woody plants greater than 15 feet (4.6 meters) tall should not be disturbed, removed, or trimmed. Barbed wire should also be avoided for any construction because bats can become ensnared and killed by such fencing material during flight.

Artificial lighting can adversely impact seabirds that may pass through the area at night by causing them to become disoriented. This disorientation can result in their collision with manmade structures or the grounding of birds. For nighttime work that might be required, DOFAW recommends that all lights used to be fully shielded to minimize the attraction of seabirds. Nighttime work that requires outdoor lighting should be avoided

during the seabird fledging season, from September 15 through December 15, when young seabirds make their maiden voyage to sea.

If nighttime construction is required during the seabird fledging season (September 15 to December 15), we recommend that a qualified biologist be present at the project site to monitor and assess the risk of seabirds being attracted or grounded due to the lighting. If seabirds are seen circling around the area, lights should then be turned off. If a downed seabird is detected, please follow DOFAW's recommended response protocol by visiting <https://dlnr.hawaii.gov/wildlife/seabird-fallout-season/#response>.

Permanent lighting also poses a risk of seabird attraction, and as such should be minimized or eliminated to protect seabird flyways and preserve the night sky. For illustrations and guidance related to seabird-friendly light styles that also protect seabirds and the dark starry skies of Hawai'i please visit <https://dlnr.hawaii.gov/wildlife/files/2016/03/DOC439.pdf>.

The State endangered Hawaiian Monk Seal (*Monachus schauinslandi*) and threatened Green Sea Turtle (*Chelonia mydas*) could potentially occur or haul out onshore within the vicinity of the proposed project site. If either species is detected within 100 meters of the project area all nearby construction operations should cease and not continue until the focal animal has departed the area on its own accord.

The State endangered Pueo or Hawaiian Short-eared Owl (*Asio flammeus sandwichensis*) could potentially occur in the project vicinity. Pueo are most active during dawn and dusk twilights. Before clearing any vegetation, DOFAW recommends twilight pre-construction surveys by a qualified biologist. If pueo nests are present, DOFAW staff should be notified and a buffer zone should be established in which no clearing occurs until nesting is completed.

DOFAW recommends minimizing the movement of plant or soil material between worksites. Soil and plant material may contain detrimental fungal pathogens (e.g., Rapid 'Ōhi'a Death), vertebrate and invertebrate pests (e.g., Little Fire Ants, Coconut Rhinoceros Beetles, etc.), or invasive plant parts (e.g., Miconia, Pampas Grass, etc.) that could harm our native species and ecosystems. We recommend consulting the O'ahu Invasive Species Committee (OISC) at (808) 266-7994 to help plan, design, and construct the project, learn of any high-risk invasive species in the area, and ways to mitigate their spread. All equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species.

We recommend that Best Management Practices are employed during and after construction to contain any soils and sediment with the purpose of preventing damage to near-shore waters and marine ecosystems.

Due to the arid climate and risks of wildfire to listed species, we recommend coordinating with the Hawai'i Wildfire Management Organization at (808) 850-900 or

admin@hawaiiwildfire.org, on how wildfire prevention can be addressed in the project area.

We appreciate your efforts to work with our office for the conservation of our native species. These comments are general guidelines and should not be considered comprehensive for this site or project. It is the responsibility of the applicant to do their own due diligence to avoid any negative environmental impacts. 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 Myrna N. Giraldo Pérez, Protected Species Habitat Conservation Planning Coordinator at (808) 265-3276 or [myrna.giraldo-perez@hawaii.gov](mailto:myrna.giraldo-perez@hawaii.gov).

Sincerely,

*Lainie Berry*

LAINIE BERRY  
Wildlife Program Manager



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

LD #395

DEPT. OF LAND &  
NATURAL RESOURCES  
STATE OF HAWAII

2023 MAY -4 PM 2:22

RECEIVED  
LAND DIVISION

May 2, 2023

Mr. Russell Y. Tsuji, Administrator  
State of Hawai'i  
Department of Land and Natural Resources  
Land Division  
1151 Punchbowl Street, Room 220  
Honolulu, HI 96813

**SUBJECT: Early Consultation Request  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Mr. Tsuji:

On behalf of the State of Hawaii, Department of Education (DOE), we are in the early consultation and data gathering process in preparation of the Draft Environmental Assessment (EA) for the proposed Waianae High School Track and Field Improvements project. We respectfully request your review of the following project information and provision of any comments and information that may be pertinent to the preparation of the Draft EA for the subject project.

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1357 Kapiolani Blvd., Ste. 1530  
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Fax: 808.946.9339

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office@fukunagaengineers.com

Mr. Russell Y. Tsuji  
May 2, 2023  
Page 2

success. The WHS track and field is used for practice, games, and competitions for multiple sports, including football, soccer, and track and field. WHS typically hosts about five home games per season/team/sport. The track and field is also used by the physical education program and for the school's commencement exercise.

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Thank you in advance for your review of this project. We kindly request a response by May 22, 2023 with any comments or concerns, or indication that there are none. Should you have any questions, please feel free to contact me at [office@fukunagaengineers.com](mailto:office@fukunagaengineers.com) or (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.



---

Amanda Tanaka, P.E.

cc: Mitch Tamayori, State of Hawaii DOE





**Waianae High School Track and Field Improvements  
Draft Environmental Assessment**

**LOCATION MAP**

FUKUNAGA & ASSOCIATES, INC.  
Consulting Engineers

**Figure 1**



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

July 13, 2023

Mr. Russell Tsuji, Land Administrator  
State of Hawaii  
Department of Land and Natural Resources  
Land Division  
1151 Punchbowl Street, Room 220  
Honolulu, Hawaii 96813

**SUBJECT: Early Consultation  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Mr. Tsuji:

Thank you for your letters dated May 23, 2023 and June 27, 2023 providing early consultation comments from the (a) Division of Aquatic Resources and (b) Division of Forestry & Wildlife on the subject project. We offer the following in response to the comments provided.

**Division of Aquatic Resources:**

1. Your comments are incorporated in the Draft EA. Best management practices to address proper storage, handling, and use of materials are discussed in the Draft EA. The Draft EA also includes discussion regarding guidance for potential encounters with aquatic life.

**Division of Forestry & Wildlife:**

1. The general information provided on listed species that may occur or transit through the vicinity and guidance have been incorporated into the Draft EA. A discussion of invasive species and best management practices have also been incorporated into the Draft EA.

We appreciate the input provided by your office and will transmit a copy of the Draft EA when published for review and comment. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE



# BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU  
630 SOUTH BERETANIA STREET  
HONOLULU, HI 96843  
www.boardofwatersupply.com



May 22, 2023

RICK BLANGIARDI, MAYOR

BRYAN P. ANDAYA, Chair  
KAPUA SPROAT, Vice Chair  
MAX J. SWORD  
NA'ALEHU ANTHONY  
JONATHAN KANESHIRO

EDWIN H. SNIFFEN, Ex-Officio  
WARREN K. MAMIZUKA, Acting Ex-Officio

ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer

ERWIN M. KAWATA  
Deputy Manager

Ms. Amanda Tanaka, P.E.  
Fukunaga & Associates, Inc.  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Tanaka:

**Subject: Your Letter Dated May 2, 2023 Requesting Comments on the Early Consultation of the Draft Environmental Assessment for the Proposed Waianae High School Track and Field Improvements Project, Tax Map Key: 8-5-002: 018, 8-5-015: 001**

Thank you for your letter regarding the proposed track and field improvements project.

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 (BWS) reserves the right to change any position or information stated herein up until the final approval of the building permit application. The final decision on the availability of water will be confirmed when the building permit application is submitted for approval.

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 nonpotable 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.

If you have any questions, please contact Robert Chun, Project Review Branch of our Water Resources Division at 748-5443.

Very truly yours,

ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer





**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

July 13, 2023

Mr. Ernest Y. W. Lau, Manager and Chief Engineer  
City and County of Honolulu  
Board of Water Supply  
630 S. Beretania St.  
Honolulu, HI 96843

**SUBJECT: Early Consultation  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Mr. Lau:

Thank you for your letter dated May 22, 2023 providing early consultation comments on the subject project. We offer the following in response to the comments provided.

1. We acknowledge the preliminary assessment of the Board of Water Supply (BWS) that the existing water system is adequate to accommodate the proposed development, and that BWS reserves the right to change any position or information stated in your letter up until the final approval of the building permit application. It is noted that the proposed project will decrease water demand. The existing irrigation lines in the field will be demolished, and two quick couplers will be installed. The demand reduction from demolition exceeds the demand of the proposed project. All demands affected by this project are off-peak demands.
2. It is acknowledged that water conservation measures are required for all proposed developments. As noted above, the proposed project is anticipated to decrease water demand.
3. It is acknowledged that on-site fire protection requirements should be coordinated with the Fire Prevention Bureau of the Honolulu Fire Department.

We appreciate the input provided by your office and will transmit a copy of the Draft EA when published for review and comment. Should you have any questions, please feel free to contact me at (808) 944-1821.

Ms. Ernest Lau  
July 13, 2023  
Page 2

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

Handwritten signature of Amanda Waki in cursive script.

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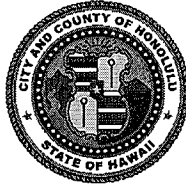
Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

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

650 SOUTH KING STREET, 11<sup>TH</sup> FLOOR  
HONOLULU, HAWAII 96813  
Phone: (808) 768-8480 • Fax: (808) 768-4567  
Web site: [www.honolulu.gov](http://www.honolulu.gov)

RICK BLANGIARDI  
MAYOR



HAKU MILLES, P.E.  
DIRECTOR

BRYAN GALLAGHER, P.E.  
DEPUTY DIRECTOR

May 19, 2023

SENT VIA EMAIL

Ms. Amanda Tanaka  
[office@fukunagaengineers.com](mailto:office@fukunagaengineers.com)


Dear Ms. Tanaka:

Subject: Early Consultation Request  
Waianae High School Track and Field Improvements  
TMKs (1) 8-5-002:018 and (1) 8-5-015:001

Thank you for the opportunity to review and comment. The Department of Design and Construction has no comments to offer at this time.

Should you have any questions, please contact me at (808) 768-8480.

Sincerely,

  
For Haku Milles, P.E., LEED AP  
Director

HM:krm (902021)

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

RICK BLANGIARDI  
MAYOR

WARREN K. MAMIZUKA  
ACTING DIRECTOR

TYLER K. SUGIHARA, P.E.  
ACTING DEPUTY DIRECTOR



IN REPLY REFER TO:  
DRM 23-283

May 25, 2023

Fukunaga & Associates  
Attention: Ms. Amanda Tanaka  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Tanaka:

Subject: Early Consultation Request, Waianae High School Track and Field Improvements  
TMKs: 8-5-002:018 and 8-5-015:001

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

We have no comments at this time, as the Department of Facility Maintenance does not have any facilities or easements on the subject property.

If you have any questions, please call Mr. Kyle Oyasato of the Division of Road Maintenance at (808) 768-3697.

Sincerely,

A handwritten signature in blue ink, appearing to read "Warren K. Mamizuka".

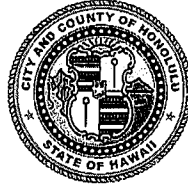
Warren K. Mamizuka  
Acting Director

DEPARTMENT OF PLANNING AND PERMITTING  
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7<sup>TH</sup> FLOOR • HONOLULU, HAWAII 96813  
PHONE: (808) 768-8000 • FAX: (808) 768-6041  
DEPT. WEB SITE: [www.honolulu.gov/dpp](http://www.honolulu.gov/dpp)

**FILE**

RICK BLANGIARDI  
MAYOR



DAWN TAKEUCHI APUNA  
DIRECTOR

JIRO A. SUMADA  
DEPUTY DIRECTOR

June 7, 2023

2023/ELOG-864(GT)

Ms. Amanda Tanaka  
Fukunaga & Associates, Inc.  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Tanaka:

**SUBJECT:** Request for Pre-Assessment Comments  
Environmental Assessment (EA) for Waianae High School Track and Field  
Improvements  
85-251 Farrington Highway - Waianae  
Tax Map Keys portion of 8-5-015: 001 (Parcel 1) and 8-5-002: 018 (Parcel 18)

This is in response to your letter, received May 4, 2023, requesting comments on the scope and content to be addressed in a Draft Environmental Assessment (DEA) as required under Chapter 343, Hawaii Revised Statutes (HRS), for replacement of the existing track and field with a new synthetic turf field and a new synthetic surface track; relocation of track events including pole vault, long jump, high jump, and shotput; concrete sidewalk improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor's bleachers; drainage improvements and other miscellaneous items at the above-referenced site. The subject site is a 1,649,363-square-foot (37.864 acre) shoreline lot located in the P-2 General Preservation District and Special Management Area (SMA) in Waianae. The following items should be addressed in the DEA:

1. Long-term Planning Policies and Objectives: The DEA should address the proposed Project's consistency with the relevant policies of the General Plan and the applicable Sustainable Communities Plan.
2. Land Use Ordinance (LUO; Chapter 21, Revised Ordinances of Honolulu [ROH]): Based on a review of our records, the Project site consists of a 1,649,363-square-foot lot located in the in the P-2 General Preservation District. Therefore, proposed development activities must comply with the development standards applicable to the P-2 General Preservation District. Project compliance with these standards should be presented and evaluated in the DEA. The LUO is available on our website at:  
  
<https://www.honolulu.gov/dpp/resources/ordinances.html>
3. Onsite Structures: The DEA should describe all existing structures on the site, including bleaches, storage buildings, track and field facilities, pavement, fences, drainage structures, stairways, etc. If any existing structures are proposed to remain in place, the

DEA should describe what and where they are located, whether they were lawfully established (permitted), and whether they are located within any required setback areas. Such structures should be included in the DEA's analysis of compliance with the applicable development standards in the LUO.

The DEA should disclose all permits and approvals that will be required for the Project.

4. SMA: The DEA should describe how the Project complies with Chapter 205A, HRS, relating to Coastal Zone Management and Chapter 25, ROH, relating to the SMA. Should the estimated cost exceed \$500,000, a SMA Use Permit will be required. Chapter 25, ROH, is available online at:

<https://hnlidoc.ehawaii.gov/hnlidoc/document-download?id=16784>

5. Shoreline Setback: All development must be located outside of the shoreline setback area which currently extends 40 feet mauka of the Certified Shoreline for most properties. This setback distance from the shoreline must be confirmed on a shoreline survey certified by the State of Hawaii, and must also be reflected in the plans submitted for the SMA Use Permit to confirm compliance with the Shoreline Setback Ordinance (Chapter 23, ROH). A shoreline survey should be included and evaluated in the DEA. A certified shoreline survey should be included in the Final EA.

Alternatively, if the Applicant seeks to waive the requirement for a certified shoreline survey and locate all development more than 55 feet from an uncertified (presumed) shoreline, the DEA should include a shoreline survey and plans that identify and label the proposed distance from the presumed shoreline. Also, the DEA should include any documentation providing evidence of the location of the presumed shoreline. Such information may include, but is not limited to a previously certified shoreline survey, erosion and/or accretion information, historic versus current photographs, and physical or geographic markers such as survey pins or trees that document the level of change in the shoreline since the most recent certified shoreline survey. Please note that a waiver of the requirement for a certified shoreline survey is subject to the discretion of the Director of the Department of Planning and Permitting (DPP).

Please be aware that the shoreline setback regulations have been updated and a new shoreline setback goes into effect July 1, 2024. Plans showing the 40-foot shoreline setback line, the 55-foot waiver line, and the new 60-foot plus 70 times the annual coastal erosion rate line (up to a maximum setback of 130 feet) which is the setback starting after July 1, 2024, should be included. Chapter 26, ROH, is available online at:

<https://hnlidoc.ehawaii.gov/hnlidoc/document-download?id=16783>

The DPP Rules Relating to Shoreline Setbacks and the Special Management Area are available online at:

[www.honoluluapp.org/Portals/0/AboutDPP/administrativerules/DppRules03Shoreline.pdf](http://www.honoluluapp.org/Portals/0/AboutDPP/administrativerules/DppRules03Shoreline.pdf)

6. Flood Zone: The DEA should identify the subject property's Flood Zone as mapped by the Federal Emergency Management Agency and evaluate the proposed Project's compliance with the City's Flood Hazard Areas Ordinance (Chapter 21A, ROH), which is available online at:

[https://www.honolulu.gov/rep/site/ocs/roh/ROH\\_Chapter\\_21A\\_.pdf](https://www.honolulu.gov/rep/site/ocs/roh/ROH_Chapter_21A_.pdf)

7. Coastal Hazards: The Project site as a shoreline lot is susceptible to Sea Level Rise (SLR), tsunamis and storm surges. Mayor's Directive 18-2, issued on July 16, 2018, requires all City departments and agencies to use the *Hawaii Sea Level Rise Vulnerability and Adaptation Report* and the *Sea Level Rise Guidance* and the *Climate Change Brief* in planning decisions. As a result, proposed development activities within the SMA must be evaluated not only for potential impacts to sensitive SMA resources, but also for current and future susceptibility to coastal hazards such as flooding, SLR, wave action, tsunamis, and storm surges.

Chapter 205A, HRS, further reiterate the need to evaluate potential impacts related to coastal hazards and SLR. As such, the following items need to be evaluated in a site-specific Coastal Hazards Study and analyzed in both the DEA and SMA Use Permit application prepared for the Project. This study should evaluate the site's existing topographic, geologic, and shoreline environment, and show whether and how a proposed development can safely be located outside of the 3.2-foot SLR-Exposure Area (XA) and avoid impacts associated with other coastal hazards. This study should include analysis of potential impacts and mitigation measures associated with implementation of the Project related to, but not limited to, the following.

- SLR - Potential impacts relating to SLR at the subject property, based on review of the State's SLR-XA Mapping Tool of 3.2 feet of SLR by mid-century.
- Storm Surge - Potential impacts and hurricane storm surge inundation levels at the subject property during Category 1 through 4 hurricane events based on review of the National Oceanic and Atmospheric Administration's (NOAA) National Hurricane Storm Surge Hazard Maps.
- Potential cumulative impacts of coastal hazards and property inundation should SLR exacerbate existing flooding, coastal erosion, wave-action, or other coastal hazards that may occur at the subject property.

The DEA should also explore project alternatives, site design (siting the proposed structures and facilities as far from the shoreline as possible), project design features (elevated structures, facilities, alternative foundations, etc.), Best Management Practices, and appropriate mitigation measures to reduce potential impacts related to coastal hazards to the extent possible. Relevant sources of information are available online at the following links:

- Mayor's Directive No. 18-2 (2018) regarding climate change and SLR:  
[www.honolulu.gov/rep/site/dpptom/climate\\_docs/MAYORS\\_DIRECTIVE\\_18-2.pdf](http://www.honolulu.gov/rep/site/dpptom/climate_docs/MAYORS_DIRECTIVE_18-2.pdf)

- SLR Vulnerability and Adaptation Report:  
[http://climate.hawaii.gov/wp-content/uploads/2019/02/SLR-Report\\_Dec2017-with-updated-disclaimer.pdf](http://climate.hawaii.gov/wp-content/uploads/2019/02/SLR-Report_Dec2017-with-updated-disclaimer.pdf)
- State SLR-XA Mapping Tool:  
[www.pacioos.hawaii.edu/shoreline/slr-hawaii/](http://www.pacioos.hawaii.edu/shoreline/slr-hawaii/)
- Guidance for Using the SLR-XA:  
<https://climate.hawaii.gov/wp-content/uploads/2020/12/Guidance-for-Using-the-Sea-Level-Rise-Exposure-Area.pdf>
- Honolulu Office of Climate Change, Sustainability and Resiliency Climate Ready Oahu Web Explorer:  
[www.resilientoahu.org/water](http://www.resilientoahu.org/water)
- NOAA Storm Surge Mapping Tool:  
<https://www.nhc.noaa.gov/nationalsurge/>

8. Wetlands and Sensitive Species:

The DEA should identify the presence or potential presence of any protected wetlands, sensitive habitat, flora species, and fauna species. The DPP recommends reaching out to the U.S. Fish and Wildlife Service (USFWS) to obtain a list of species that are known to occur, or may potentially occur in the project vicinity. Known mapped wetlands can be viewed on the USFWS National Wetlands Inventory *Wetlands Mapper*. The DEA must evaluate potential impacts to each identified sensitive species and provide standard agency-required mitigation measures as well as any applicable site-specific mitigation measures to avoid or minimize potential impacts to each identified species, critical habitat and habitat applicable to the site. The Wetlands Mapper is available online at:

<https://www.fws.gov/wetlands/data/mapper.html>

9. Please be advised that in December of 2020, the State Historic Preservation Division (SHPD) began using a new online system to better track consultation requests which is available at:

<https://shpd.hawaii.gov/hicris/landing>

Because the new tracking system requires agency-to-agency requests, the DPP has created a generic request letter that consultant(s) and property owner(s) may use for projects that will eventually require DPP approval. This letter may be completed by a consultant(s) or property owner(s) and submitted to SHPD directly via their online system without the DPP's intervention to initiate requests before permit applications are submitted



Ms. Amanda Tanaka  
June 7, 2023  
Page 5

to the DPP. The letter includes a general DPP contact number and email, as well as blank fields where the consultant(s) or property owner(s) can enter their contact information. The generic request letter is available online at:

<https://tinyurl.com/h7yvc7vp>

Finally, please contact the appropriate Neighborhood Board and any relevant neighborhood associations or commissions to request an opportunity to present the Project proposal at the next available Neighborhood Board meeting and/or association meeting(s).

Thank you for the opportunity to comment on this proposal. Should you have questions, please contact Gerald Toyomura, of our Urban Design Branch, at (808) 768-8056 or via email at [gtoyomura@honolulu.gov](mailto:gtoyomura@honolulu.gov).

Very truly yours,

  
Dawn Takeuchi Apuna  
Director



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

July 13, 2023

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

**SUBJECT: Early Consultation  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Ms. Takeuchi Apuna:

Thank you for your letter dated June 7, 2023 providing early consultation comments on the subject project. We offer the following in response to the comments provided.

1. The EA includes a discussion of the proposed project's consistency with the relevant policies of the General Plan and Waianae Sustainable Communities Plan.
2. The EA includes a discussion of the proposed project's compliance with the Land Use Ordinance.
3. The project site is limited to the existing track and field, adjacent sidewalks, and adjacent open areas where track events will be relocated to. The existing drainage channel and the two existing track bridges will not be altered. The existing bleachers are not within the project limits, are permitted, and are outside of the shoreline setback area. Some of the existing field lights around the perimeter of the track are within the project limits, were permitted under the "Waianae High School Athletic Field - Remove/Replace Bleachers" project (BP #806223), and are outside of the shoreline setback area.

The EA includes a list of permits and approvals that are anticipated to be required for the proposed project.

4. An SMA major permit is anticipated to be required for the proposed project. The EA includes a discussion of how the proposed project complies with the Hawaii CZM Law, HRS Chapter 205A and Revised Ordinances of Honolulu (ROH) Chapter 25.
5. The shoreline certification process is underway, and the certified shoreline survey will be included in the Final EA. A map showing the existing and future shoreline setback lines based on the uncertified shoreline is included in the Draft EA. Based on the uncertified

Ms. Dawn Takeuchi Apuna

July 13, 2023

Page 2

shoreline, the proposed project is outside of the shoreline setback area and does not require a shoreline setback variance.

6. The EA includes discussion of the flood zones at the project site and an evaluation of compliance with ROH Chapter 21A.
7. The EA includes a map showing the 0.5-foot and 3.2-foot sea level rise exposure area in the vicinity of the project. The EA includes discussion of potential impacts and mitigation of 3.2-foot sea level rise, storm surges, and shoreline erosion on the proposed project. The “no action” alternative and site alternatives are also discussed in the EA.
8. The EA includes identification of wetlands in the vicinity of the project and an evaluation of potential impacts and mitigation.
9. It is acknowledged that SHPD uses the HICRIS system for consultation requests. The proposed project has been reviewed by SHPD.
10. The Waianae Coast Neighborhood Board has been contacted to request an opportunity to present the proposed project at an upcoming neighborhood board meeting.

We appreciate the input provided by your office and will transmit a copy of the Draft EA when published for review and comment. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.



---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

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

RICK BLANGIARDI  
MAYOR



SHELDON K. HAO  
FIRE CHIEF

JASON SAMALA  
DEPUTY FIRE CHIEF

May 11, 2023

Ms. Amanda Tanaka, P.E.  
Fukunaga & Associates, Inc.  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Tanaka:

Subject: Early Consultation Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
85-251 Farrington Highway  
Waianae, Hawaii 96792  
Tax Map Keys: 8-5-002: 018 and 8-5-015: 001

In response to your letter received on May 4, 2023, regarding the abovementioned subject, the Honolulu Fire Department (HFD) reviewed the submitted information and requires 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 (46 meters) 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; 2018 Edition, Sections 18.2.3.2.2 and 18.2.3.2.2.1, as amended.)

A fire department access road shall extend to within 50 feet (15 meters) 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; 2018 Edition, Section 18.2.3.2.1.)

2. Fire department access roads shall be in accordance with NFPA 1; 2018 Edition, Section 18.2.3.

Ms. Amanda Tanaka, P.E.

Page 2

May 11, 2023

3. An approved water supply capable of supplying the required fire flow for fire protection shall be provided to all premises upon which facilities, buildings, or portions of buildings are hereafter constructed or moved into the jurisdiction. The approved water supply shall be in accordance with NFPA 1; 2018 Edition, Sections 18.3 and 18.4.
4. Submit civil drawings to the City and County of Honolulu's Department of Planning and Permitting and route them to the HFD for review and approval.

The abovementioned provisions are required by the HFD. This project may necessitate additional requirements be met as determined by other agencies.

Should you have questions, please contact Acting Battalion Chief Kendall Ching of our Fire Prevention Bureau at 808-723-7154 or [kching3@honolulu.gov](mailto:kching3@honolulu.gov).

Sincerely,



CRAIG UCHIMURA  
Acting Assistant Chief

CU/MD:bh



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

July 13, 2023

Mr. Craig Uchimura, Acting Assitant Chief  
City and County of Honolulu  
Honolulu Fire Department  
636 South Street  
Honolulu, HI 96813

**SUBJECT: Early Consultation  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Mr. Uchimura:

Thank you for your letter dated May 11, 2023 providing early consultation comments on the subject project. We offer the following in response to the comments provided.

1. The proposed project is to replace the existing track and field with a synthetic turf field and synthetic surface track. The proposed project does not include any buildings or structures. The proposed project complies with the Fire Code of the City and County of Honolulu.

We appreciate the input provided by your office and will transmit a copy of the Draft EA when published for review and comment. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

POLICE DEPARTMENT  
**CITY AND COUNTY OF HONOLULU**

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



RICK BLANGIARDI  
MAYOR

ARTHUR J. LOGAN  
CHIEF

KEITH K. HORIKAWA  
RADE K. VANIC  
DEPUTY CHIEFS

OUR REFERENCE **EO-DK**

May 10, 2023

SENT VIA EMAIL

Ms. Amanda Tanaka  
office@fukunagaengineers.com

Dear Ms. Tanaka:

This is in response to your agency's letter of May 2, 2023, requesting input on the preparation of the Draft Environmental Assessment for the proposed Waianae High School Track and Field Improvements project.

The Honolulu Police Department has reviewed the information provided and does not have any comments or concerns at this time.

If there are any questions, please call Major Gail Beckley of District 8 (Kapolei/Waianae) at (808)723-8403.

Thank you for the opportunity to review this project.

Sincerely,

A handwritten signature in black ink that reads "Glenn Hayashi".

GLENN HAYASHI  
Assistant Chief of Police  
Support Services Bureau

**APPENDIX B:**

Draft Environmental Assessment Comment and Response Letters

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JOSH GREEN, M.D.  
Governor

SYLVIA LUKE  
Lt. Governor



SHARON HURD  
Chairperson, Board of Agriculture

CAROL LEI OKADA  
Deputy to the Chairperson

State of Hawai'i  
**DEPARTMENT OF AGRICULTURE**  
KA 'OIHANA MAHI'AI  
1428 South King Street  
Honolulu, Hawai'i 96814-2512  
Phone: (808) 973-9600 FAX: (808) 973-9613

August 21, 2023

Ms. Amanda Waki, P.E.  
Fukunaga & Associates, Inc.  
1357 Kapiolani Blvd, Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Waki:

RE: Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMK Nos. (1) 8-5-002:018 and (1)8-5-015:001

Thank you for the opportunity to comment on the *Draft Environmental Assessment, Waianae High School Track and Field Improvements, TMK Nos. (1) 8-5-002:018 and (1)8-5-015:001*, dated July 2023. The Hawaii Department of Agriculture (HDOA) has no comments on the proposed action at this time. Please let us know if there are any changes to the scope of the project.

Should you have any questions, please contact Ms. Janice Fujimoto of the Agricultural Resource Management Division at (808) 973-9473.

Sincerely,

Sharon Hurd  
Chairperson, Board of Agriculture





**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

October 12, 2023

Ms. Sharon Hurd, Chairperson  
State of Hawaii  
Department of Agriculture  
Agricultural Resource Management Division  
1428 South King Street  
Honolulu, HI 96814

**SUBJECT:** Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001

Dear Ms. Hurd:

Thank you for your letter dated August 21, 2023 providing comments on the Draft Environmental Assessment for the subject project. We acknowledge that the State of Hawaii Department of Agriculture has no comments on the proposed action at this time.

Thank you for your assistance and participation in this environmental review process. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII'  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

August 21, 2023

LD 0060

Amanda Waki, P.E.  
Fukunaga & Associates, Inc.  
1357 Kapiolani Blvd., Ste. 1530  
Honolulu, Hawaii 96814

*Via email: awaki@fukunagaengineers.com*

Greetings:

**SUBJECT: Draft Environmental Assessment (DEA), Waianae High School Track and Field Improvements, Waianae, Island of Oahu, Hawaii, TMK: (1) 8-5-002:018 and (1) 8-5-015:001**

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 comments received from our Engineering Division. Should you have any questions, please feel free to contact Timothy Chee via email at [timothy.chee@hawaii.gov](mailto:timothy.chee@hawaii.gov). Thank you.

Sincerely,

*Russell Tsuji*

Russell Y. Tsuji  
Land Administrator

Attachments  
cc: Central Files

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

July 25, 2023

LD 0060

MEMORANDUM

FROM: ~~TO:~~

**DLNR Agencies:**

- Div. of Aquatic Resources (via email: glenn.r.higashi@hawaii.gov)
- Div. of Boating & Ocean Recreation (via email: richard.t.howard@hawaii.gov)
- Engineering Division (via email: DLNR.Engr@hawaii.gov)
- Div. of Forestry & Wildlife (via email: rubyrosa.t.terrago@hawaii.gov)
- Div. of State Parks (via email: curt.a.cottrell@hawaii.gov)
- Commission on Water Resource Management (via email: DLNR.CWRM@hawaii.gov)
- Office of Conservation & Coastal Lands (via email: sharleen.k.kuba@hawaii.gov)
- Land Division – Oahu District (via email: barry.w.cheung@hawaii.gov)
- Aha Moku (via email: leimana.k.damate@hawaii.gov)

TO: ~~FROM:~~  
SUBJECT:

Russell Y. Tsuji, Land Administrator  
*Russell Tsuji*  
**Draft Environmental Assessment (DEA)**  
**Waianae High School Track and Field Improvements**

LOCATION:

Waianae, Island of Oahu, Hawaii  
TMK: (1) 8-5-002:018 and (1) 8-5-015:001

APPLICANT:

Fukunaga & Associates, Inc.

Transmitted for your review and comment is information on the above-referenced subject. The DEA was published on July 23, 2023 by the State Environmental Review Program at the Office of Planning and Sustainable Development in the periodic bulletin, The Environmental Notice, available at the following link:

[https://files.hawaii.gov/dbedt/erp/The\\_Environmental\\_Notice/2023-04-23-TEN.pdf](https://files.hawaii.gov/dbedt/erp/The_Environmental_Notice/2023-04-23-TEN.pdf)

Please submit any comments to [timothy.chee@hawaii.gov](mailto:timothy.chee@hawaii.gov) at the Land Division by the internal deadline of **August 20, 2023**. If no response is received by this date, we will assume your agency has no comments. If you have any questions, please contact Timothy Chee at the above email address. Thank you.

**BRIEF COMMENTS:**

- We have no objections.
- We have no comments.
- We have no additional comments.
- Comments are included/attached.

Signed: *Carty S. Chang*  
Print Name: Carty S. Chang, Chief Engineer  
Division: Engineering Division  
Date: Aug 11, 2023

Cc: Central Files

**DEPARTMENT OF LAND AND NATURAL RESOURCES  
ENGINEERING DIVISION**

**LD/Russell Y. Tsuji**

**Ref: Draft Environmental Assessment (DEA)  
Waianae High School Track and Field Improvements  
Location: Waianae, Island of Oahu, Hawaii  
TMK(s): (1) 8-5-002:018 and (1) 8-5-015:001  
Applicant: Fukunaga & Associates, Inc.**

**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, Chapter 1, Subchapter B, part 60 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). The official FIRMs can be accessed through FEMA's Map Service Center ([msc.fema.gov](http://msc.fema.gov)). Our Flood Hazard Assessment Tool (FHAT) ([fhat.hawaii.gov](http://fhat.hawaii.gov)) could also be used to research flood hazard information.

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) 270-7139.
- 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 all State projects 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 11, 2023



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

July 20, 2023

Mr. Russell Y. Tsuji, Administrator  
State of Hawai'i  
Department of Land and Natural Resources  
Land Division  
1151 Punchbowl Street, Room 220  
Honolulu, HI 96813

**SUBJECT: Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Mr. Tsuji:

Thank you for the response provided by your office during early consultation. The Draft Environmental Assessment (DEA) for the Waianae High School Track and Field Improvements has been prepared for the State of Hawaii, Department of Education (DOE). The DEA is being published by the Office of Planning and Sustainable Development, Environmental Review Program in the July 23, 2023. The Environmental Notice, and an electronic copy of the DEA is available at the link below for your review. The 30-day comment period ends on August 22, 2023.

[https://files.hawaii.gov/dbedt/erp/Doc\\_Library/2023-07-23-OA-DEA-Waianae-HS-Track-and-Field-Improvements.pdf](https://files.hawaii.gov/dbedt/erp/Doc_Library/2023-07-23-OA-DEA-Waianae-HS-Track-and-Field-Improvements.pdf)

Thank you for your time and consideration. Should you have any questions, please feel free to contact me at [awaki@fukunagaengineers.com](mailto:awaki@fukunagaengineers.com) or (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE, [mitch.tamayori@k12.hi.us](mailto:mitch.tamayori@k12.hi.us)

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII'  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

August 23, 2023

LD 0060

Amanda Waki, P.E.  
Fukunaga & Associates, Inc.  
1357 Kapiolani Blvd., Ste. 1530  
Honolulu, Hawaii 96814

*Via email: [awaki@fukunagaengineers.com](mailto:awaki@fukunagaengineers.com)*

Greetings:

SUBJECT: **Draft Environmental Assessment (DEA), Waianae High School Track and Field Improvements, Waianae, Island of Oahu, Hawaii, TMK: (1) 8-5-002:018 and (1) 8-5-015:001**

Thank you for the opportunity to review and to comment on the subject project. In addition to previous comments sent to you from the Department of Land and Natural Resources (DLNR), enclosed are comments received from the DLNR's Division of Forestry and Wildlife.

Should you have any questions, please feel free to contact Timothy Chee via email at [timothy.chee@hawaii.gov](mailto:timothy.chee@hawaii.gov). Thank you.

Sincerely,

*Russell Tsuji*

Russell Y. Tsuji  
Land Administrator

Attachments

cc: Central Files



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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA  
LAND DIVISION

P.O. BOX 621  
HONOLULU, HAWAII 96809

July 25, 2023

LD 0060

**MEMORANDUM**

FROM: **DLNR Agencies:**  
 \_\_\_ Div. of Aquatic Resources (via email: glenn.r.higashi@hawaii.gov)  
 \_\_\_ Div. of Boating & Ocean Recreation (via email: richard.t.howard@hawaii.gov)  
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 (via email: curt.a.cottrell@hawaii.gov)  
 \_\_\_ Commission on Water Resource Management (via email: DLNR.CWRM@hawaii.gov)  
X Office of Conservation & Coastal Lands (via email: sharleen.k.kuba@hawaii.gov)  
X Land Division – Oahu District (via email: barry.w.cheung@hawaii.gov)  
 \_\_\_ Aha Moku (via email: leimana.k.damate@hawaii.gov)

TO: Russell Y. Tsuji, Land Administrator *Russell Tsuji*

SUBJECT: **Draft Environmental Assessment (DEA)**  
**Waianae High School Track and Field Improvements**

LOCATION: Waianae, Island of Oahu, Hawaii  
 TMK: (1) 8-5-002:018 and (1) 8-5-015:001

APPLICANT: Fukunaga & Associates, Inc.

Transmitted for your review and comment is information on the above-referenced subject. The DEA was published on July 23, 2023 by the State Environmental Review Program at the Office of Planning and Sustainable Development in the periodic bulletin, The Environmental Notice, available at the following link:

[https://files.hawaii.gov/dbedt/erp/The\\_Environmental\\_Notice/2023-04-23-TEN.pdf](https://files.hawaii.gov/dbedt/erp/The_Environmental_Notice/2023-04-23-TEN.pdf)

Please submit any comments to [timothy.chee@hawaii.gov](mailto:timothy.chee@hawaii.gov) at the Land Division by the internal deadline of **August 20, 2023**. If no response is received by this date, we will assume your agency has no comments. If you have any questions, please contact Timothy Chee at the above email address. Thank you.

**BRIEF COMMENTS:**

[Empty box for brief comments]

- We have no objections.
- We have no comments.
- We have no additional comments.
- Comments are included/attached.

Signed: *Kathryn Stanaway*  
 Print Name: LAINIE BERRY, Wildlife Program Mgr.  
 Division: Division of Forestry and Wildlife

Cc: Central Files

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



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

LAURA H.E. KAAKUA  
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 | KA MOKU'ĀINA 'O HAWAII'  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA

DIVISION OF FORESTRY AND WILDLIFE  
1151 PUNCHBOWL STREET, ROOM 325  
HONOLULU, HAWAII 96813

August 22, 2023

Log no.4208

**MEMORANDUM**

**TO:** RUSSELL Y. TSUJI, Land Administrator  
Department of Land and Natural Resources

**FROM:** LAINIE BERRY, Wildlife Program Manager  
Division of Forestry and Wildlife

**SUBJECT: Draft Environmental Assessment (DEA) for the Waianae High School Track and Field Improvements in Waianae on Oahu**

The Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW) has received your request for comments on the Draft Environmental Assessment for the Waianae High School Track and Field Improvement Project in Waianae on the island of Oahu, TMKs: (1) 8-5-002:018 and (1) 8-5-015:001. The proposed project will replace the existing cinder track and grass field with a new synthetic turf field and a new all weather-synthetic surface track, involve relocation of track events; including pole vault, long jump, high jump, and shotput; involve concrete sidewalk improvements and drainage improvements, as well as additional miscellaneous items.

DOFAW concurs with the measures included in the DEA intended to avoid construction and operational impacts to State-listed species including the 'ōpe'ape'a or Hawaiian Hoary bat (*Lasiurus cinereus semotus*), pueo or Hawaiian Short-eared Owl (*Asio flammeus sandwichensis*), and seabirds. 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 also appreciate the measures outlined to minimize the movement of plant and soil material to prevent the spread of invasive species. DOFAW provides the following additional comments regarding the potential for the proposed work to affect listed species in the vicinity of the project area.

State-listed waterbirds such as ae'o or Hawaiian stilt (*Himantopus mexicanus knudseni*), 'alae ke'oke'o or Hawaiian coot (*Fulica alai*), and 'alae 'ula or Hawaiian gallinule (*Gallinula chloropus sandvicensis*), could potentially occur at or in the vicinity of the proposed project site. It is against State law to harm or harass these species. If any of these species are

present during construction, all activities within 100 feet (30 meters) should cease and the bird or birds should not be approached. Work may continue after the bird or birds leave the area of their own accord. If a nest is discovered at any point, please contact the O'ahu Branch DOFAW Office at (808) 973-9778 and establish a buffer zone around the nest.

The State endangered Hawaiian Monk Seal (*Monachus schauinslandi*) and threatened Green Sea Turtle (*Chelonia mydas*) could potentially occur or haul out onshore within the vicinity of the proposed project site. Nesting season for the honu is April through December and 'Īlio holo i ka uaua can give birth to pups all year round. If either species is detected within 33 feet (100 meters) of the project area all nearby construction operations should cease and not continue until the focal animal has departed the area on its own accord.

DOFAW is concerned about impacts to vulnerable birds from nonnative predators such as cats, rodents, and mongooses. We recommend taking action to minimize predator presence; remove cats, place bait stations for rodents and mongoose, and provide covered trash receptacles.

DOFAW recommends using native plant species for landscaping that are appropriate for the area; i.e., plants for which climate conditions are suitable for them to thrive, plants that historically occurred there, etc. Please do not plant invasive species. DOFAW also recommends referring to [www.plantpono.org](http://www.plantpono.org) for guidance on the selection and evaluation of landscaping plants and to determine the potential invasiveness of plants proposed for use in the project.

Due to the arid climate and risks of wildfire to listed species, we recommend coordinating with the Hawai'i Wildfire Management Organization at (808) 850-900 or [admin@hawaiiwildfire.org](mailto:admin@hawaiiwildfire.org), on how wildfire prevention can be addressed in the project area.

We recommend that Best Management Practices are employed during and after construction to contain any soils and sediment with the purpose of preventing damage to near-shore waters and marine ecosystems.

We appreciate your efforts to work with our office for the conservation of our native species. These comments are general guidelines and should not be considered comprehensive for this site or project. It is the responsibility of the applicant to do their own due diligence to avoid any negative environmental impacts. 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 Myrna N. Girald Pérez, Protected Species Habitat Conservation Planning Coordinator at (808) 265-3276 or [myrna.girald-perez@hawaii.gov](mailto:myrna.girald-perez@hawaii.gov).

Sincerely,

*Kathye Staraway*

LAINIE BERRY  
Wildlife Program Manager



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

October 12, 2023

Mr. Russell Tsuji, Land Administrator  
State of Hawaii  
Department of Land and Natural Resources  
Land Division  
1151 Punchbowl Street, Room 220  
Honolulu, Hawaii 96813

**SUBJECT: Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Mr. Tsuji:

Thank you for your letters dated August 21, 2023 and August 22, 2023 providing comments on the Draft Environmental Assessment for the subject project from the (a) Engineering Division and (b) Division of Forestry & Wildlife. We offer the following in response to the comments provided.

**Engineering Division:**

1. The majority of the project site is located in Zone AE; the remainder of the project site is located in Zone X. Zone AE is considered flood fringe area and is subject to the Revised Ordinances of Hawaii (ROH) Chapter 21A and National Flood Insurance Program, Title 44 of the Code of Federal Regulations (44CFR). The general development standards and flood fringe area standards of ROH Chapter 21A are applicable to structures within the flood fringe area. However, the proposed project does not include structures as defined in ROH Chapter 21A and 44CFR; therefore, the standards are not applicable for the proposed project.
2. The existing irrigation lines in the field will be demolished, and 2 new quick couplers will be installed. The proposed project will result in a net decrease in water demand.

**Division of Forestry & Wildlife:**

1. The general information provided on listed species that may occur or transit through the vicinity and guidance have been incorporated into the Final EA. A discussion of invasive species, minimization of predator presence, wildfire hazard reduction, and best management practices have also been incorporated into the Final EA.

We appreciate the input provided by your office and will transmit a copy of the Draft EA when published for review and comment. Should you have any questions, please feel free to contact me at (808) 944-1821.

Mr. Russell Tsuji  
October 12, 2023  
Page 2

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

Handwritten signature of Amanda Waki in cursive script.

---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

DEPARTMENT OF DESIGN AND CONSTRUCTION  
*KA 'OIHANA HAKULAU A ME KE KĀPILI*  
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

RICK BLANGIARDI  
MAYOR  
MEIA



HAKU MILLES, P.E.  
DIRECTOR  
PO'O

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

August 22, 2023

SENT VIA EMAIL

Amanda Waki  
awaki@fukunagaengineers.com

Dear Ms. Waki:

Subject: Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1) 8-5-002:018 and (1) 8-5-015:001

Thank you for the opportunity to review and comment. The Department of Design and Construction has no comments to offer at this time.

Should you have any questions, please contact me at (808) 768-8480.

Sincerely,

A handwritten signature in blue ink that reads "Bryan Gallagher".

~~FOR~~ Haku Milles, P.E., LEED AP  
Director

HM:krn  
(907764)





**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

October 12, 2023

Mr. Haku Milles, Director  
City and County of Honolulu  
Department of Design and Construction  
650 South King Street, 11th Floor  
Honolulu, HI 96813

**SUBJECT:** Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001

Dear Mr. Milles:

Thank you for your letter dated August 22, 2023 providing comments on the Draft Environmental Assessment for the subject project. We acknowledge that the Department of Design and Construction has no comments to offer at this time.

Thank you for your assistance and participation in this environmental review process. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE



**DEPARTMENT OF FACILITY MAINTENANCE  
KA 'OIHANA MĀLAMA HALE  
CITY AND COUNTY OF HONOLULU**

1000 ULU'OHIA STREET, SUITE 215, KAPOLEI, HAWAII 96707  
PHONE: (808) 768-3343 • Fax: (808) 768-3381 • WEBSITE: <https://www.honolulu.gov/dfm>

RICK BLANGIARDI  
MAYOR  
MEIA



GENE C. ALBANO, P.E.  
DIRECTOR AND CHIEF ENGINEER  
*PO'O A ME LUNA NUI 'ENEKINIA*

WARREN K. MAMIZUKA  
DEPUTY DIRECTOR  
*HOPE PO'O*

IN REPLY REFER TO:  
SWQ 23-200  
DART 907039

September 28, 2023

Ms. Amanda Waki, P.E.  
Fukunaga & Associates, Inc.  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawai'i 96814

Dear Ms. Waki:

**SUBJECT: Draft Environmental Assessment Waianae High School  
Track and Field Improvements**

The Department of Facility Maintenance (DFM), Storm Water Quality (SWQ) Division, has reviewed the draft Environmental Assessment for the proposed Waianae High School Track and Field Improvements Project.

We note that the Storm Water assets within the project area are not owned by the City and County of Honolulu (CCH). As such, the project will not impact the CCH Municipal Separate Storm Sewer System (MS4).

However, with reference to the Department of Planning and Permitting Administrative Rules titled, "Rules Relating to Water Quality" (Title 20 Chapter 3), the project should employ low-impact development to maximize storm water retention and infiltration on site and minimize Storm Water runoff. Artificial turf by nature will minimize storm water infiltration, increase storm water runoff, and decrease water retention. Additionally, unlike natural grass, synthetic turf has no filtering capacity and therefore, nutrients run over the surface into the storm water.

Given this fact, particular consideration must be given to the design and establishment of appropriate post-construction Best Management Practices.

Ms. Amanda Waki, P.E.  
September 28, 2023  
Page 2

If you have any questions, please contact Ms. Saani Fong, Planner VII of the SWQ Division by phone at (808) 768-3387 or email [saani.fong@honolulu.gov](mailto:saani.fong@honolulu.gov).

Sincerely,



Digitally signed by  
Albano, Gene  
Date: 2023.09.28  
12:05:33-10'00'

Gene C. Albano, P.E.  
Director and Chief Engineer

cc: Mr. Mitch Tamayori, State of Hawaii, Department of Education



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

October 12, 2023

Mr. Gene Albano, Director and Chief Engineer  
City and County of Honolulu  
Department of Facility Maintenance  
1000 Uluohia Street, Suite 215  
Kapolei, HI 96707

**SUBJECT: Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Mr. Albano:

Thank you for your letter dated September 28, 2023 (SWQ 23-200, DART 907039) providing comments on the Draft Environmental Assessment for the subject project. We offer the following in response to the comment provided.

The synthetic turf is permeable, and a 6" crushed rock base and subdrain system will be placed below the turf. The subdrain system will discharge storm water into infiltration trenches that will retain the required water quality volume as calculated in the Storm Water Quality Report and will have the capacity to store the increase in peak runoff from the project site as calculated in the Drainage Report. As stated in the EA, the project will comply with the ordinances, rules, and permits requirements regarding water quality and is not anticipated to have a negative impact on water quality.

Thank you for your assistance and participation in this environmental review process. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

---

Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

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

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813  
PHONE: (808) 768-8000 • FAX: (808) 768-6041 • WEB: www.honolulu.gov/dpp

RICK BLANGIARDI  
MAYOR  
MEIA



DAWN TAKEUCHI APUNA  
DIRECTOR  
PO'O

JIRO A. SUMADA  
DEPUTY DIRECTOR  
HOPE PO'O

August 15, 2023

2023/ELOG-1374 (GT)

Ms. Amanda Waki  
Fukunaga & Associates, Inc.  
1357 Kapiolani Boulevard, Suite 1530  
Honolulu, Hawaii 96814

Dear Ms. Waki:

**SUBJECT:** Request for Comments  
Environmental Assessment for Waianae High School Track and Field  
Improvements  
85-251 Farrington Highway - Waianae  
Tax Map Keys portion of 8-5-015: 001 (Parcel 1) and  
8-5-002: 018 (Parcel 18)

This is in response to your letter, received July 24, 2023, requesting comments on the Draft Environmental Assessment (DEA) as required under Chapter 343, Hawaii Revised Statutes (HRS), for replacement of the existing track and field with a new synthetic turf field and a new synthetic surface track; relocation of track events including pole vault, long jump, high jump, and shotput; concrete sidewalk improvements, primarily consisting of replacement of an existing accessible sidewalk to the visitor's bleachers; drainage improvements and other miscellaneous items at the above-referenced site. The subject site is a 1,649,363-square-foot (37.864 acre) shoreline lot located in the P-2 General Preservation District and Special Management Area (SMA) in Waianae. Thank for incorporating our pre-assessment comments (2023/ELOG-864) in the DEA. The following items should be addressed in the Final Environmental Assessment (FEA):

1. **SMA:** The FEA should describe how the Project complies with Chapter 205A, HRS, relating to Coastal Zone Management and Chapter 25, ROH, relating to the SMA. The Project estimate is approximately \$6 million and exceed \$500,000, as such, a SMA Use Permit will be required.
2. **Shoreline Setback:** A certified shoreline survey must be included in the FEA. All development must be located outside of the shoreline setback area which currently extends 40 feet mauka of the Certified Shoreline for most properties. Please be aware that the shoreline setback regulations have been updated and a new shoreline setback goes into effect July 1, 2024. Plans showing the new 60-foot plus 70 times the annual

coastal erosion rate line (up to a maximum setback of 130 feet) which is the setback starting after July 1, 2024, should be included.

3. Coastal Zone Management Program: Please discuss how impacts to public access, use of the beach, and marine resources will be mitigated during and after the construction of the Project.
4. Historical and Cultural Resources: At a minimum, the potential for the presence of cultural, archaeological, and historical resources, potential impacts, and proposed mitigation measures should be analyzed based on recent studies conducted in the immediate vicinity of the site by a qualified archeologist. Please note that State Historic Preservation Department pre-concurrence of Chapter 6E, HRS, must be submitted with the FEA.
5. Community Outreach: Pursuant to Section 25-5.3(b), ROH, prior to submitting the application for an SMA Use Permit, the Applicant must present the Project to the applicable Neighborhood Board (NB) and/or Community Association unless the NB or Community Association fails to provide the Applicant with an opportunity to present the Project within 60 days of the date of the written request or they provide the Applicant with written notice that it has no objection to the Project or no presentation is necessary. Compliance with this code section will be reviewed when we receive the SMA Use Permit application.
6. Efficient Permitting: This will be the third SMA Use Permit, not including one SMA Minor Permit, processed in the last 10 years for Waianae High School. The Applicant may consider the benefits of master planning to improve the permit process for the school and the public. A master plan for the school could cover 10 or more years of anticipated improvements, reducing the number of environmental documents and permits required over time.

Thank you for the opportunity to comment on this proposal. Should you have questions, please contact Gerald Toyomura, of our Urban Design Branch, at (808) 768-8056 or via email at [gtoyomura@honolulu.gov](mailto:gtoyomura@honolulu.gov).

Very truly yours,

  
for Dawn Takeuchi Apuna  
Director



**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

October 12, 2023

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

**SUBJECT: Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001**

Dear Ms. Takeuchi Apuna:

Thank you for your letter dated August 15, 2023 (2023/ELOG-1374) providing comments on the Draft Environmental Assessment (EA) for the subject project. We offer the following in response to the comments provided.

1. **SMA**: The Final EA includes a discussion of how the proposed project complies with the Hawaii CZM Law, HRS Chapter 205A and Revised Ordinances of Honolulu (ROH) Chapter 25.
2. **Shoreline Setback**: The certified shoreline survey will be included in the Final EA as an appendix. A map showing the existing and future shoreline setback lines is included in the Final EA. It is understood that the future shoreline setback goes into effect July 1, 2024.
3. **Coastal Zone Management Program**: The Final EA includes a discussion of how the proposed project complies with the Hawaii CZM program. No change to public access to the shoreline is proposed. The proposed improvements are located inland from the shoreline setback, and construction and post-construction best management practices will be used to mitigate impacts during and after construction.
4. **Historic and Cultural Resources**: The State Historic Preservation Division (SHPD) Chapter 6E-8 historic preservation review letter is included in the Final EA as an appendix. SHPD concurs with the Department of Education's (DOE) determination of "no historic properties affected."
5. **Community Outreach**: The proposed project was presented at the Waianae Coast Neighborhood Board meeting on August 1, 2023, and owners of adjoining properties were notified of the presentation.

Ms. Dawn Takeuchi Apuna  
September 12, 2023  
Page 2

6. Efficient Permitting: On behalf of DOE, we acknowledge the benefits of master planning.

Thank you for your assistance and participation in this environmental review process. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.



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Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

07/26/2023

Amanda Waki  
Fukunaga & Associates, INC.  
1357 Kapiolani Blvd., Ste 1530  
Honolulu, HI 96814

**Subject: Draft Environmental Assessment  
Waianae High School Track and Field Improvements**

Dear Amanda,

Thank you for allowing us to review and comment on your plans for the Draft Environmental Assessment Waianae High School Track and Field Improvements project.

Hawaiian Telcom Inc. has no comments regarding impacting our facilities. According to our records there is a pole line in the back but does not look like it is in the way of this athletic field improvement.

If you have any questions, feel free to call me at 808-371-1723 or email [tad.abe@hawaiiantel.com](mailto:tad.abe@hawaiiantel.com)

Thank you,

Tad Abe  
Outside Plant Engineer – Network Development  
Hawaiian Telcom Inc.

c: Draft Environmental Assessment Waianae High School Track and Field Improvements  
S. Cross





**FUKUNAGA & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

October 12, 2023

Mr. Tad Abe  
Hawaiian Telecom, Inc.  
Network Operations  
1177 Bishop Street  
Honolulu, HI 96813

SUBJECT: Draft Environmental Assessment  
Waianae High School Track and Field Improvements  
TMKs (1)8-5-002:018 and (1)8-5-015:001

Dear Mr. Abe:

Thank you for your letter dated July 26, 2023 providing comments on the Draft Environmental Assessment for the subject project. We acknowledge that Hawaiian Telcom Inc. has no comments regarding impacting your facilities.

Thank you for your assistance and participation in this environmental review process. Should you have any questions, please feel free to contact me at (808) 944-1821.

Sincerely,  
FUKUNAGA & ASSOCIATES, INC.

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Amanda Waki, P.E.

cc: Mitch Tamayori, State of Hawaii DOE

**APPENDIX C:**

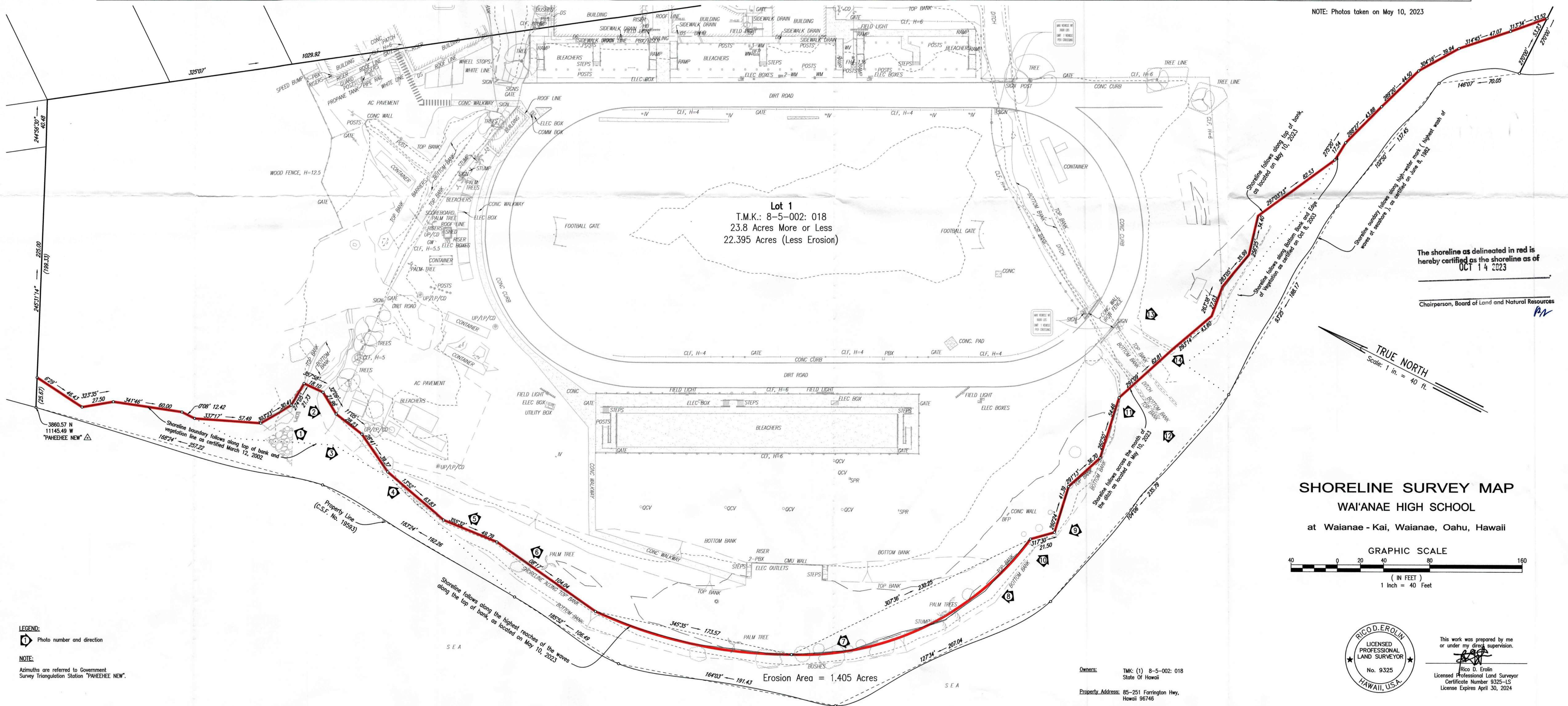
Certified Shoreline Survey

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NOTE: Photos taken on May 10, 2023



The shoreline as delineated in red is hereby certified as the shoreline as of OCT 14 2023

Chairperson, Board of Land and Natural Resources

TRUE NORTH  
Scale: 1 in. = 40 ft.

**SHORELINE SURVEY MAP**  
**WAI'ANA'E HIGH SCHOOL**  
 at Waianae - Kai, Waianae, Oahu, Hawaii

GRAPHIC SCALE  
 ( IN FEET )  
 1 Inch = 40 Feet

**RICO D. EROLIN**  
 LICENSED PROFESSIONAL LAND SURVEYOR  
 No. 9325  
 HAWAII, U.S.A.

This work was prepared by me or under my direct supervision.  
 Rico D. Erolin  
 Licensed Professional Land Surveyor  
 Certificate Number 9325-LS  
 License Expires April 30, 2024

Owners: T.M.K.: (1) 8-5-002: 018  
 State Of Hawaii  
 Property Address: 85-251 Farrington Hwy,  
 Hawaii 96746



**APPENDIX D:**

Chapter 6E-8 Historic Preservation Review

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

SYLVIA LUKE  
LIEUTENANT GOVERNOR | KA HOPE KIA'AINA



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

STATE HISTORIC PRESERVATION DIVISION  
KAKUHIHEWA BUILDING  
601 KAMOKILA BLVD, STE 555  
KAPOLEI, HAWAII 96707

April 28, 2023

Edward S. Ige, Facilities Director  
Facilities Development Branch  
Hawaii State Department of Education  
Office of School Facilities and Operations  
3733 Waiālae Avenue, Room B-201  
Honolulu, Hawai'i 96816  
c/o Mitch Tamayori  
[mitch.tamayori@k12.hi.us](mailto:mitch.tamayori@k12.hi.us)

IN REPLY REFER TO:  
Project No.: 2023PR00334  
Doc. No.: 2304LS13  
Archaeology

Dear Mr. Ige:

SUBJECT: **Chapter 6E-8 Historic Preservation Review –  
Waianae High School - (DOE Job No. Q85200-17)  
Request for Concurrence with Project Effect Determination  
State of Hawai'i Department of Education (HIDOE)  
85-251 Farrington Hwy., Waianae – Track and Field Improvements  
Wai'anae Ahupua'a, Wai'anae Moku, Island of O'ahu  
TMK: (1) 8-5-002:018**

This letter provides the State Historic Preservation Division's (SHPD's) review of the Hawai'i State Department of Education's (HIDOE's) project titled, *Waianae High School – Track and Field Improvements*. The SHPD received the submittal materials via HICRIS on March 3, 2023, including a letter dated March 3, 2023, from the HIDOE initiating HRS §6E-8 review and requesting the SHPD's concurrence with HIDOE's determination of "no historic properties affected" and a SHPD HRS §6E Submittal Form, Tax Map Key (TMK) map, a site property and project area map, and project photographs.

The project is located entirely within the 21.933-acre Waianae High School property. The HIDOE proposes to replace the natural grass field and dirt track with a synthetic turf field and all-weather track which includes grading and excavation, installation of asphalt pavement with synthetic track surface, crushed rock base and synthetic turf, subdrains, shotput area, fencing and sidewalk modifications, electrical conduits, and other miscellaneous items of work.

A review of SHPD records indicates that several archaeological literature review and field inspection (LRFI) reports have been completed for projects within the subject parcel (e.g., Belluomini and Hammatt 2016, Hensley et al. 2017, Belluzzo 2022). None identified archaeological historic properties within the project area. Nearby historic properties in the vicinity in remnants of the former Oahu Railway & Land Company (OR&L) railroad (Site 50-80-7-9714), a subsurface cultural layer (Site 50-80-07-6634), and a historic coffin burial (Site 50-80-07-6704). None of these documented historic properties will be affected by the current project.

Based on the information above, the SHPD concurs with HIDOE's determination of "no historic properties affected" for the current project. Pursuant to HAR §13-275-7(e), when the SHPD comments that the action shall not affect any significant historic properties, the HRS §6E historic preservation review ends. The HRS §6E historic preservation review process is concluded for the subject project.

Edward S. Ige  
April 28, 2023  
Page 2

Please attach to permit: In the unlikely event that subsurface historic resources, including human skeletal remains, structural remains, cultural deposits, artifacts, sand deposits, or sink holes are identified during the demolition and/or construction work, cease work in the immediate vicinity of the find, protect the find from additional disturbance, and contact the State Historic Preservation Division, at (808) 692-8015.

Please contact Susan A. Lebo, Archaeology Branch Chief, at [Susan.A.Lebo@hawaii.gov](mailto:Susan.A.Lebo@hawaii.gov) for any matters regarding archaeological resources or this letter.

Aloha, *Alan Downer*

Alan S. Downer, PhD  
Administrator, State Historic Preservation Division  
Deputy State Historic Preservation Officer

cc: Jon Muraoka, [jmuraoka@fukunagaengineers.com](mailto:jmuraoka@fukunagaengineers.com)