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

OFFICE OF SCHOOL FACILITIES AND SUPPORT SERVICES

June 24, 2019

TO: Scott Glenn
Director, Office of Environmental Quality Control
Department of Health

FROM: John C. H. Chung
Public Works Administrator, Facilities Development Branch

SUBJECT: **Draft Environmental Assessment for Noelani Elementary School, Proposed IDEA Center, Honolulu District, Island of Oahu, TMK (1) 2-9-023:029**

The Department of Education hereby transmits the second draft environmental assessment and anticipated finding of no significant impact (DEA-AFONSI) for the proposed IDEA Center at Noelani Elementary School located in Manoa and situated at TMK: (1) 2-9-023:029, on the island of Oahu for publication in the next available edition of the Environmental Notice. This letter accompanies the four digital copies of the subject DEA-AFONSI that were submitted to Office of Environmental Quality Control on June 12, 2019 via the agency's online submittal form.

If there are any questions, please contact Mitch Tamayori, Project Coordinator of the Facilities Development Branch, Project Management Section, at (808) 784-5116 or via email at mitch_tamayori@notes.k12.hi.us.

JCHC:mt
Enclosures

c: Karen Lee, Urban Works
Facilities Development Branch

19-394

From: webmaster@hawaii.gov
Sent: Wednesday, June 12, 2019 3:50 PM
To: HI Office of Environmental Quality Control
Subject: New online submission for The Environmental Notice

Action Name

Noelani Elementary School IDEA Center, formerly Noelani Elementary School Library

Type of Document/Determination

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

HRS §343-5(a) Trigger(s)

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

Judicial district

Honolulu, O'ahu

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

(1)-2-9-023:029

Proponent type

Agency

Proposing/determining agency

Hawaii State Department of Education, Facilities Development Branch

Agency contact name

John Chung

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3633 Waialae Avenue
Honolulu, HI 96816
United States
Map It

Was this submittal prepared by a consultant?

Yes

Consultant

WCP Inc. for Urban Works Inc.

Consultant contact name

Derek Yasaka

19-394

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Map It

Action summary

The Proposed Action involves the construction of an on-campus Innovate, Discover, Explore, Achieve (IDEA) Center to replace the school's outdated library with a learning facility that will include a new library, other functional spaces, and a fire protection sprinkler system. The IDEA Center will be located at the far side of the school's central lawn and, in addition to a library, will also house a computer lab, a makerspace, and support space for an educational garden. The one-story building will provide 7,500 gross square feet of new space for the school and a gross area of approximately 10,900 square feet inclusive of proposed adjacent pedestrian circulation/walkway areas. Other building features include office space; a large group area with a circulation desk, reading/study/bookstacks, periodicals, and storytelling areas; a staff work/production room; a multipurpose room and storage; mechanical, electrical, and custodial facilities; and restrooms.

Reasons supporting determination

A finding of no significant impact is supported by the determination that the Proposed Action:
1) Will not involve an irrevocable commitment, loss or destruction of natural or cultural resources as removed trees will be replaced or transplanted and no cultural resources will be impacted
2) Will not curtail the range of beneficial uses of the environment as the building is designed to be environmentally sustainable in accordance with a DOE mandate
3) Will not conflict with the state's long term-environmental policies because of the building's environmentally sustainable design per Hawaii Collaborative for High Performance Schools (HI-CHPS) standards
4) Will not substantially affect the economic or social welfare of the community or state as it will provide an educational benefit to students and a better work environment for school staff
5) Does not substantially affect the public health in a detrimental way per building in accordance with HI-CHPS standards
6) Will not involve substantial secondary impacts such as population changes or effects on public facilities as the IDEA Center will not affect the school's student population and staffing
7) Will not involve a substantial degradation of environmental quality as the structure will be wholly on the campus and be designed per HI-CHPS standards
8) Will not substantially affect any rare, threatened or endangered species of flora or fauna or habitat as none exist on the campus
9) Will not cumulatively have considerable effects upon the environment or involve a commitment for larger actions as the IDEA Center is a stand-alone improvement limited to the school campus and not related to additional activities in the region
10) Will not detrimentally affect air or water quality or ambient noise levels as the
Proposed Action will not result in adverse effects to air quality, water quality, and ambient noise levels
11) Does not affect or would likely be damaged as a result of being located in
an environmentally sensitive area such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous lane, estuary, fresh water, or coastal area as the Proposed Action is not located within a flood zone or Special Management Area
12) Will not substantially affect scenic vistas and view planes identified in county
or state plans or studies as the IDEA Center will be located within an existing elementary school campus and no scenic view planes will be adversely affected
13) Will not require substantial energy consumption as the IDEA Center is being designed for environmental sustainability in accordance with HI-CHPS standards
Action will require additional consumption of energy.

Attached Documents (agency letter & EA/EIS)

- Noelani-IDEA-Ctr-Second-Draft-EA-06-12-19.pdf
- Noelani-IDEA-Ctr-Second-Draft-EA-06-12-191.pdf
- Noelani-IDEA-Ctr-Second-Draft-EA-06-12-192.pdf
- Noelani-IDEA-Ctr-Second-Draft-EA-06-12-193.pdf

Shapefile upload

- Project-Location-Figures.zip

Authorized individual

Derek Yasaka

Proponent

Hawaii State Department of Education

Authorization

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

SECOND DRAFT
ENVIRONMENTAL ASSESSMENT

NOELANI ELEMENTARY SCHOOL IDEA CENTER
HONOLULU, O'AHU ISLAND, HAWAI'I

TAX MAP KEY 1-2-9-023-029

Prepared For:
Hawai'i State Department of Education
Facilities Development Branch
Project Management Section
3633 Waialae Avenue
Honolulu, Hawai'i 96816

Prepared By:
Urban Works, Inc.
831 Pohukaina Street
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WCP Inc.
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'Aiea, Hawai'i 96701

June 2019

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TABLES

FIGURES

APPENDICES

ACRONYMS AND ABBREVIATIONS

%	percent
ALRFI	archaeological literature review and field inspection
AM	ante meridiem
BMP	best management practices
BMPP	best management practices plan
BWS	Board of Water Supply, City and County of Honolulu
CCH	City and County of Honolulu
CSH	Cultural Surveys Hawai‘i, Inc.
CZM	Coastal Zone Management
CZMA	Coastal Zone Management Act
DEA	Draft Environmental Assessment
DLNR	Department of Land and Natural Resources, State of Hawai‘i
DTS	Department of Transportation Services, City and County of Honolulu
EA	Environmental Assessment
EIS	Environmental Impact Statement
EISPN	Environmental Impact Statement Preparation Notice
ESFP	Education State Functional Plan
FEA	Final Environmental Assessment
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FONSI	Finding of No Significant Impact
FPSL	Fire Protection Sprinkler Line
gpd	Gallons per day
gpf	gallons per flush
gpm	gallons per minute
HAR	Hawai‘i Administrative Rules
HDOH	Hawai‘i Department of Health
HFD	Honolulu Fire Department
HI-CHPS	Hawai‘i Collaborative for High Performance Schools
HRS	Hawai‘i Revised Statutes
IDEA	Innovate, Discover, Explore, Achieve
IT	information technology

LUC	Land Use Commission
MIA	Makiki Stony Clay Loam
NES	Noelani Elementary School
NRHP	National Register of Historic Places
OEQC	Office of Environmental Quality Control, State of Hawai‘i
PM	post meridiem
SHPD	State Historic Preservation Division
SIHP	State Inventory of Historic Places
SMA	Special Management Area
TMK	Tax Map Key
USC	United States Code
USDA	United States Department of Agriculture

1 INTRODUCTION

The Hawai‘i State Department of Education is proposing to construct an Innovate, Discover, Explore, Achieve (IDEA) Center comprised of a library and other functional spaces on the Noelani Elementary School (NES) campus located in Mānoa, City and County of Honolulu (CCH), Hawai‘i.

1.1 GENERAL INFORMATION

Proposed Action:	IDEA Center
Location:	Noelani Elementary School 2655 Woodlawn Drive Honolulu, Hawai‘i 96822
Proposing Agency:	Hawai‘i State Department of Education Facilities Development Branch 3633 Waialae Avenue Honolulu, Hawai‘i 96816
EA Preparer:	WCP Inc. 99-061 Koaha Way, Suite 208 Aiea, Hawai‘i 96701
Accepting Authority:	Hawai‘i State Department of Education Facilities Development Branch 3633 Waialae Avenue Honolulu, Hawai‘i 96816
Tax Map Key (TMK):	1-2-9-023-029
Property Area:	8.57 acres
Property Owner:	City and County of Honolulu
State Land Use Designation:	Urban
Zoning District:	R-7.5 Residential
Special Management Area (SMA):	Not within the SMA
Need for Assessment:	Use of State Lands and Funds (HAR 11-200-5b)
Anticipated Determination:	Finding of No Significant Impact
Required Permits and Approvals:	Building, Electrical, and Plumbing Permits Grubbing, Grading, Excavation, and Stockpiling Permits

1.2 SCOPE AND AUTHORITY

This Environmental Assessment (EA) has been prepared pursuant to the Hawai‘i Revised Statutes (HRS), Chapter 343 (*Environmental Impact Statements*) and promulgated Hawai‘i Administrative Rules (HAR) Title 11, Chapter 200 (*Environmental Impact Statement Rules*). The use of State lands and funds for the Proposed Action triggers the environmental review process under HRS Chapter 343 and HAR Chapter 11-200.

The intent of this EA is to ensure that comprehensive and systematic consideration is given to potential impacts of the Proposed Action upon the human environment. It is intended to serve as an environmental disclosure document, which identifies the purpose and need of the proposed action, reasonable implementation alternatives, existing environmental conditions, potential environmental impacts, and mitigation measures to avoid or minimize such impacts. The finding presented in this EA will provide the basis to determine whether an Environmental Impact Statement (EIS) or Final Environmental Assessment/Finding of No Significant Impact (FEA/FONSI) is appropriate.

2 DESCRIPTION OF THE PROPOSED PROJECT

2.1 PROJECT LOCATION

NES is located at 2655 Woodlawn Drive in Mānoa Valley on the island of Oʻahu. The campus is bounded by Woodlawn Drive to the north, residential dwellings to the west and south, and a portion of the University of Hawaiʻi at Mānoa Agricultural Experiment Station to the east (see Figure 1). The NES property is identified by TMK Division 1, Zone 2, Section 9, Plat 023, Parcel 029 and encompasses an area of approximately 8.57 acres (see Figure 2). Site photographs are presented in Appendix A.

2.2 PURPOSE AND NEED

The Proposed Action involves the construction of an IDEA Center—whose name was chosen in a student competition and stands for Innovate, Discover, Explore, Achieve—to replace the school's outdated library with a building that will include a new library and other functional spaces. The existing library is becoming increasingly dated and inadequate. Limitations of the existing library include, but are not limited to, insufficient size to accommodate large gatherings; inadequate appurtenances to accommodate multipurpose needs and requirements; dated information technology (IT) facilities; and an inferior fire suppression system. The purpose of the Proposed Action is to provide a new and better-equipped on-campus learning facility for NES students and staff.

2.3 DESCRIPTION OF THE PROPOSED ACTION

2.3.1 Project Description

The IDEA Center will replace the school's outdated library with a building that will include a library, computer lab, and makerspace as well as support space for an educational garden. The one-story building will provide 7,500 gross square feet of new space for the school and a gross area of approximately 10,900 square feet inclusive of proposed adjacent pedestrian circulation/walkway areas. Other building features include office space; a large group area with a circulation desk, reading/study/bookstacks, periodicals, and storytelling areas; a staff work/production room; a multipurpose room and storage; mechanical, electrical, and custodial facilities; and restrooms. Illuminated by north light from clerestory windows, the library will house NES's large print collection and support new technology for information literacy and will be large enough to accommodate two classes and their teachers with up to 30 students per class. The story area and window-seat reading nooks will help to foster students' love of learning. The makerspace is a large and flexible space that will allow an entire grade to gather for special events; glass garage doors open one side of the space, letting activities spill outside bridging inside and outside learning opportunities.

The building has been designed to Hawaiʻi Collaborative for High Performance Schools (HI-CHPS) standards and will be one of the first buildings to be constructed under the Hawaiʻi State Department of Education's mandate to create high-performance, environmentally sustainable facilities. Cisterns, a rain garden, and bioswales will manage Mānoa's rain water responsibly on the project site; building energy consumption and water use are minimized; materials will minimize environmental impact and support healthy indoor air quality; and sustainability strategies are highlighted throughout the building making it a useful teaching tool for young students.

Figure 1 - Project Location Map
Noelani Elementary School
New IDEA Center

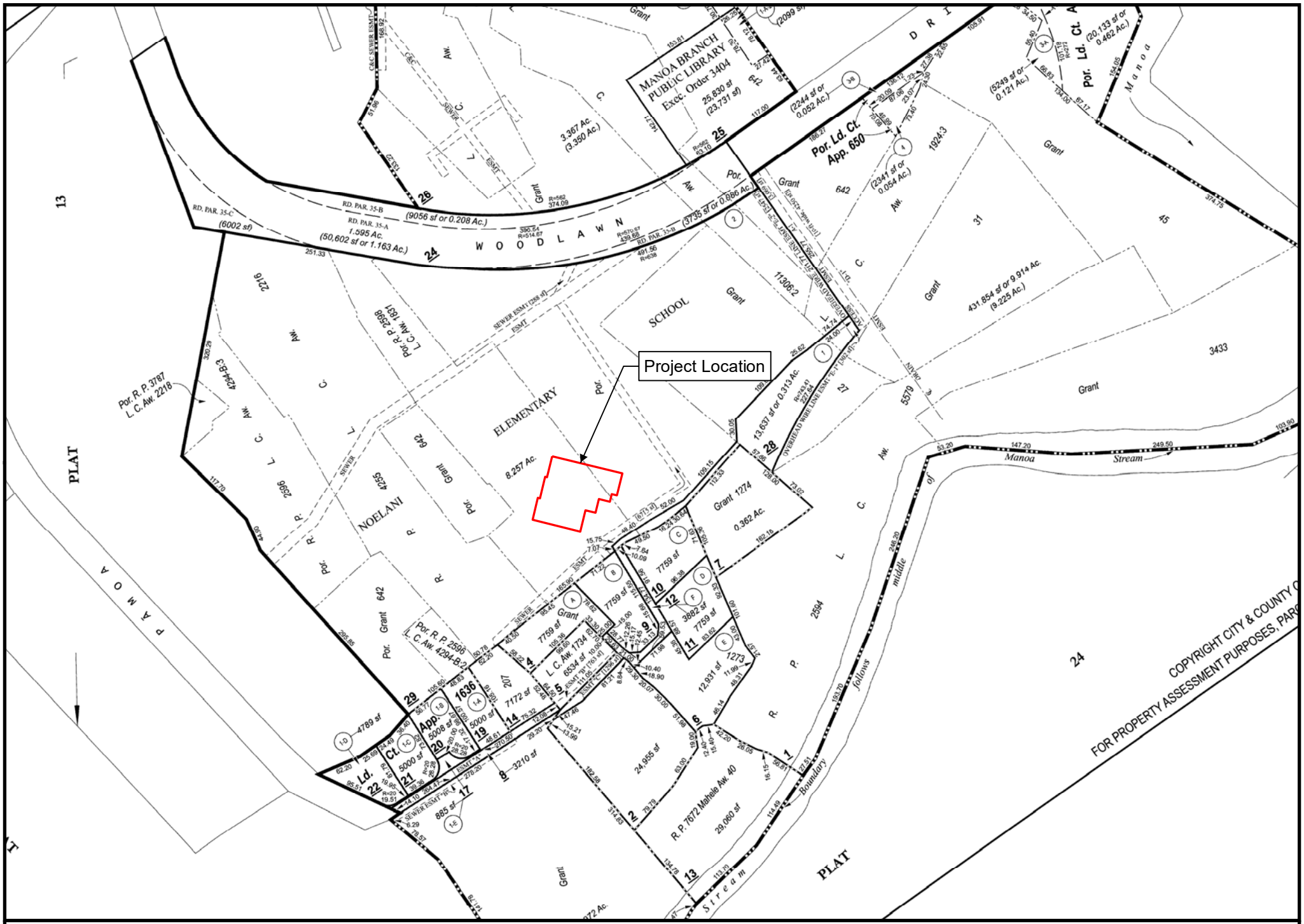


Figure 2 - Tax Map
Noelani Elementary School
New IDEA Center

The IDEA Center will be located at the far side of the school's central lawn. The resulting grass courtyard is an intimate and protected area for play that also preserves space for the school's annual May Fair celebration. In connection with the project, two monkeypod trees will be relocated to Woodlawn Drive, where they will shade a main sidewalk route to school. Other trees affected by the building footprint will be replaced with native species. Generous exterior covered lanais and walkways connect the IDEA Center to the larger campus.

Attendant to IDEA Center construction is the installation of a new underground fire protection sprinkler line (FPSL) for the building. The new FPSL will provide water to the new building's automatic fire protection sprinkler system and will connect to an existing water main located approximately 325 feet north of the project site along Woodlawn Drive.

The new IDEA Center will be sited at a presently open area of the NES central lawn approximately 200 feet east of the building in which the existing library is housed. No on-campus buildings will be demolished as a result of the Proposed Action and no changes to existing vehicular circulation and/or parking facilities will occur. Figure 3 and Figure 4 show the proposed project location within the NES campus.

No new parking is proposed because the project will not result in changes to or increases in vehicular parking and/or circulation. Ground disturbance activities will be limited to areas required for construction of the proposed IDEA Center (i.e., the building footprint and fire protection sprinkler line). A preliminary floor plan and building elevations are shown in Figure 5 and Figure 6.

Demolition of the existing library building is presently not being considered. Rather, the NES administration intends to repurpose the existing building for various possible uses which may include, but not be limited to, classroom support, administration, faculty production, facility maintenance, and/or any combination thereof.

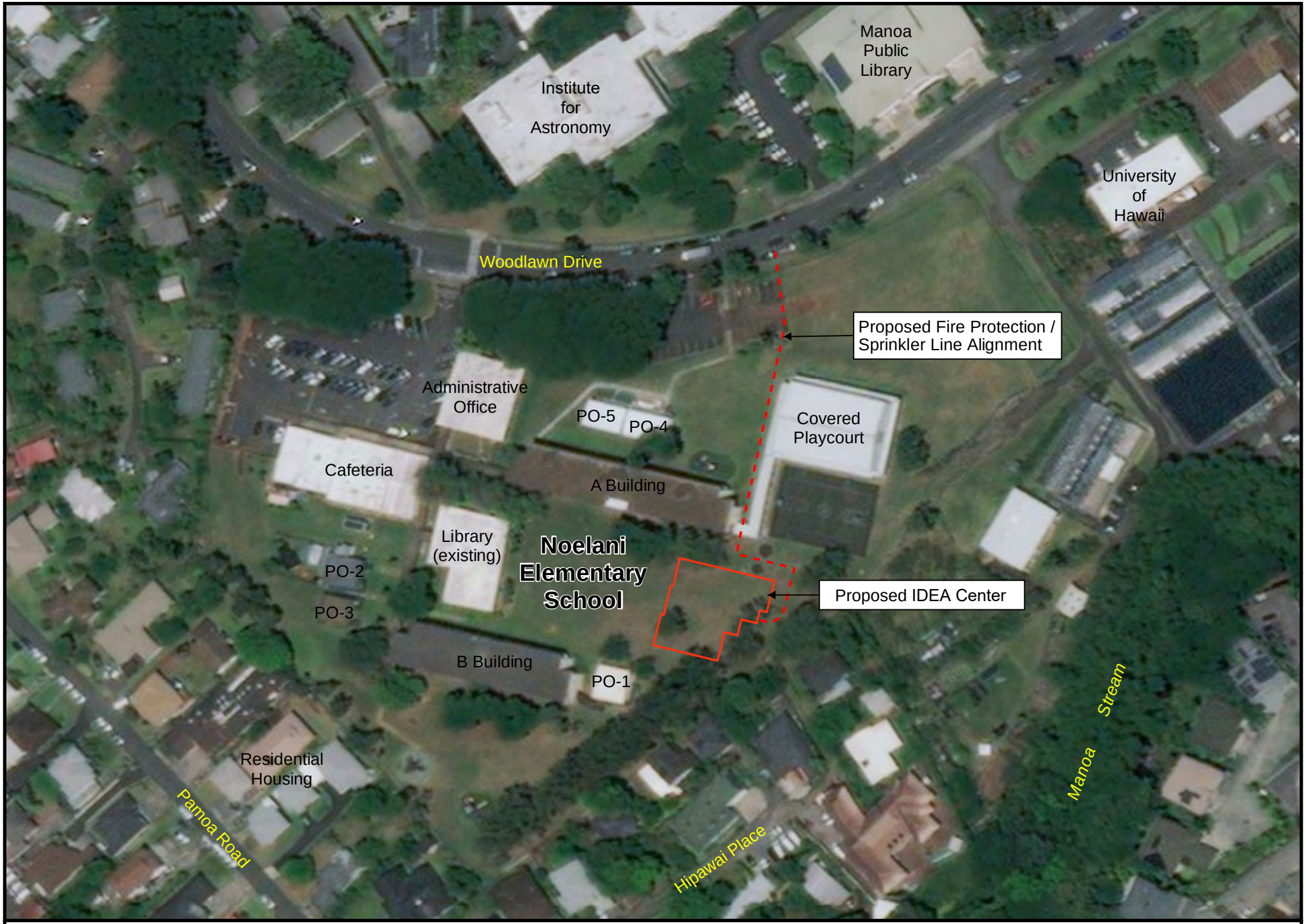
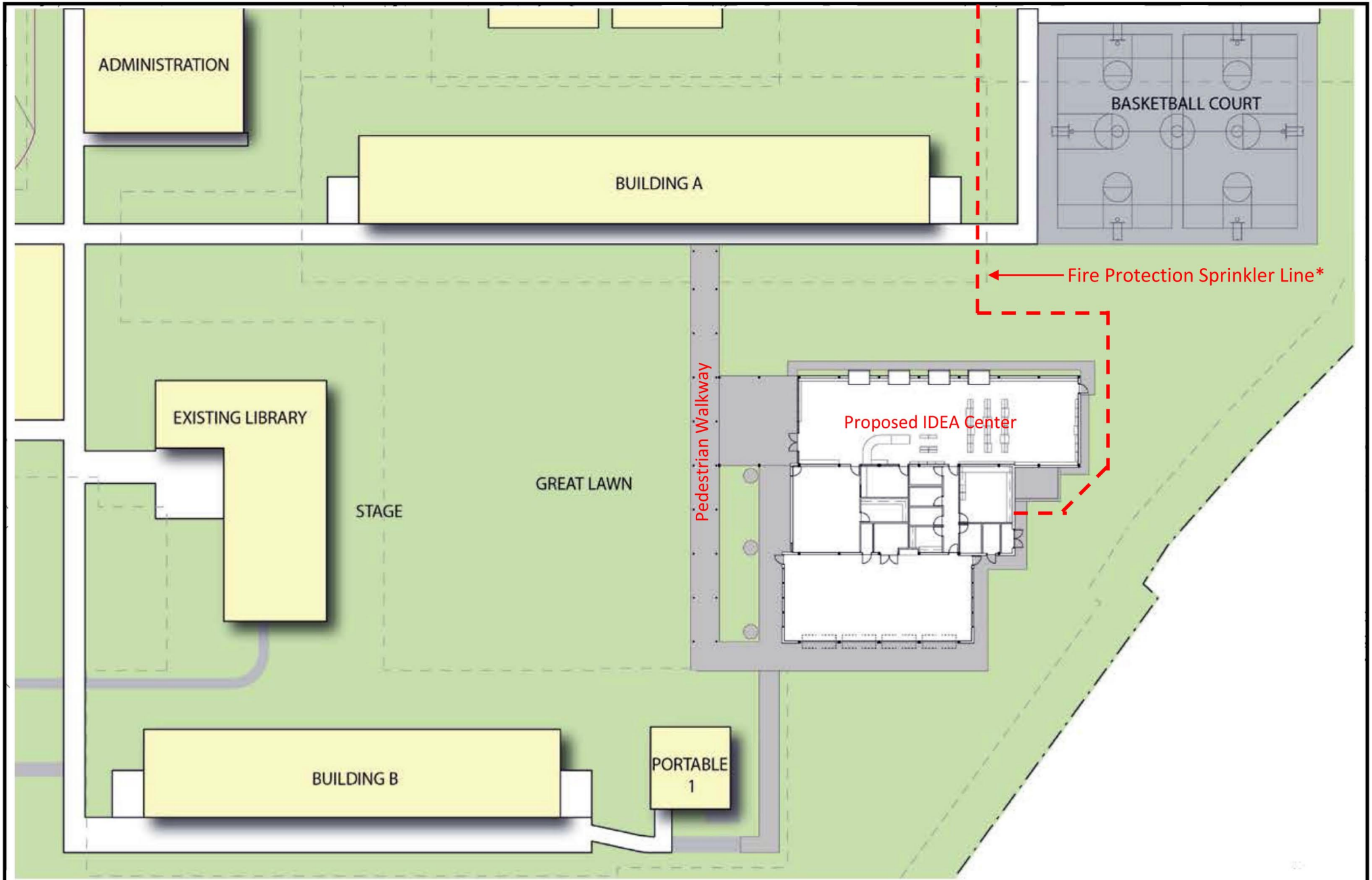


Figure 3 - Project Site Map
Noelani Elementary School New
New IDEA Center



* - Approximate Alignment

Figure 4 - Site Diagram
Noelani Elementary School
New IDEA Center

0' 8' 16' 32' 64'
1/32" = 1'-0"

N

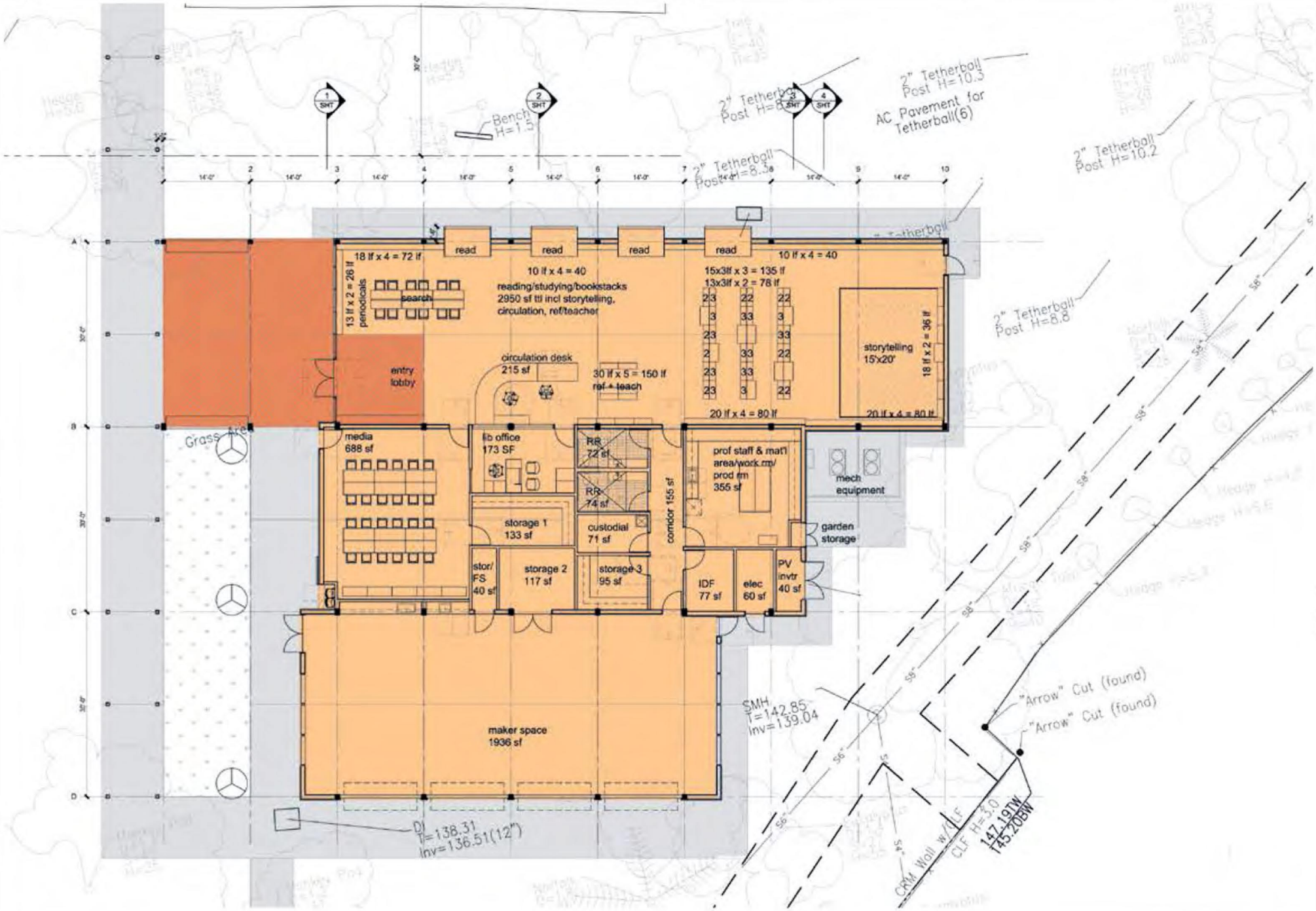


Figure 5 - Floor Plan
Noelani Elementary School
New IDEA Center

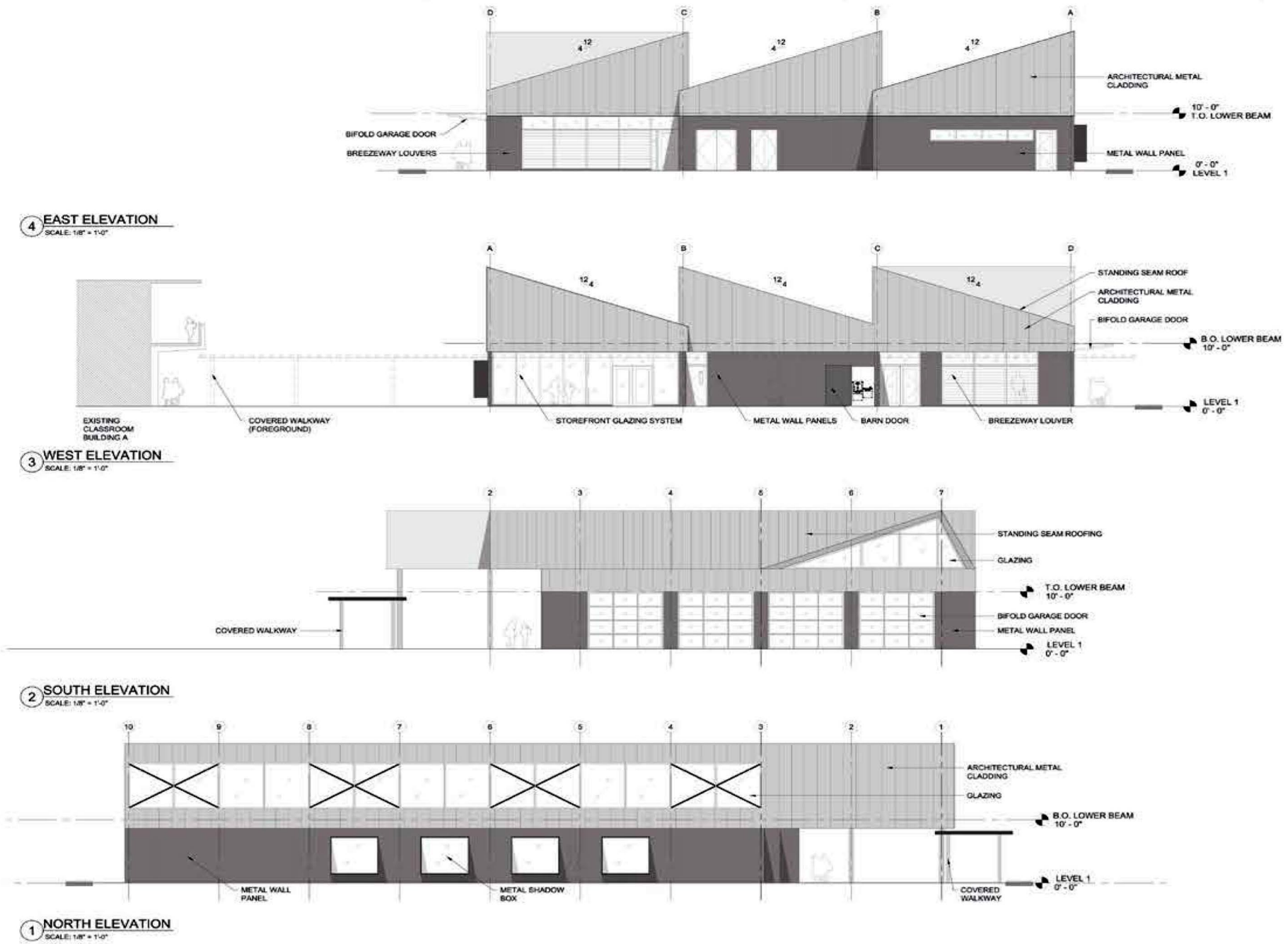


Figure 6 - Exterior Elevations
Noelani Elementary School
New IDEA Center

0' 2' 4' 8' 16'

2.3.2 Drainage and Infrastructure

Approximately 25,800 square feet of lawn area within and surrounding the building footprint will be disturbed/graded for construction of the new IDEA Center, and associated improvements including, walkways, landscaping, and drainage control. An additional area of approximately 975 square feet will be disturbed for the installation of the 325-linear-foot FPSL. The lawn area around the new building will be graded to convey surface flow in a south-southwesterly direction. Surface flow will drain to a new 4-foot by x 4-foot drain inlet located approximately 50 linear feet west of the proposed building's southwest corner. Surface flow will be conveyed to the drain inlet via grass swales and an infiltration trench along the building perimeter rather than subsurface drainpipes. Proposed drainage improvements are shown in Figure 7.

Water service will be provided from a new 2-inch-diameter water line which will extend from the building's east side and connect to an existing 4-inch-diameter service lateral inside the school grounds south of Building A. Water for the IDEA Center's automatic fire protection sprinkler system will be provided via the new FPSL. The proposed FPSL will consist of a new 6-inch-diameter water line that will also extend from the building's east side and will run north and along the west side of the covered play court to ultimately connect to the existing 12-inch-diameter water main along Woodlawn Drive (see Figure 7).

The Honolulu Fire Department (HFD) was consulted with respect to fire protection for the proposed project. Based on these consultations, the proposed automatic fire protection sprinkler was preferred by HFD instead of extant hydrant fire protection. Furthermore, the proposed automatic fire protection sprinkler system meets CCH Fire Code requirements and has obtained HFD approval (see Appendix B).

Wastewater from the building will be discharged through a new 6-inch-diameter sewer lateral that will connect to the NES sewer infrastructure at an existing sewer manhole located approximately 70 linear feet west of the proposed building's northwest corner (see Figure 7).

The NES campus is serviced by existing underground power and communication infrastructure along Woodlawn Drive and the proposed IDEA Center's power and communications will be routed in underground conduits connecting to the existing on-campus electrical and communication system.

2.4 PROJECT SCHEDULE AND COST

The Proposed Action construction cost is approximately $5.5 million. Construction is anticipated to begin in the summer of 2020 with completion approximately 14 months thereafter.

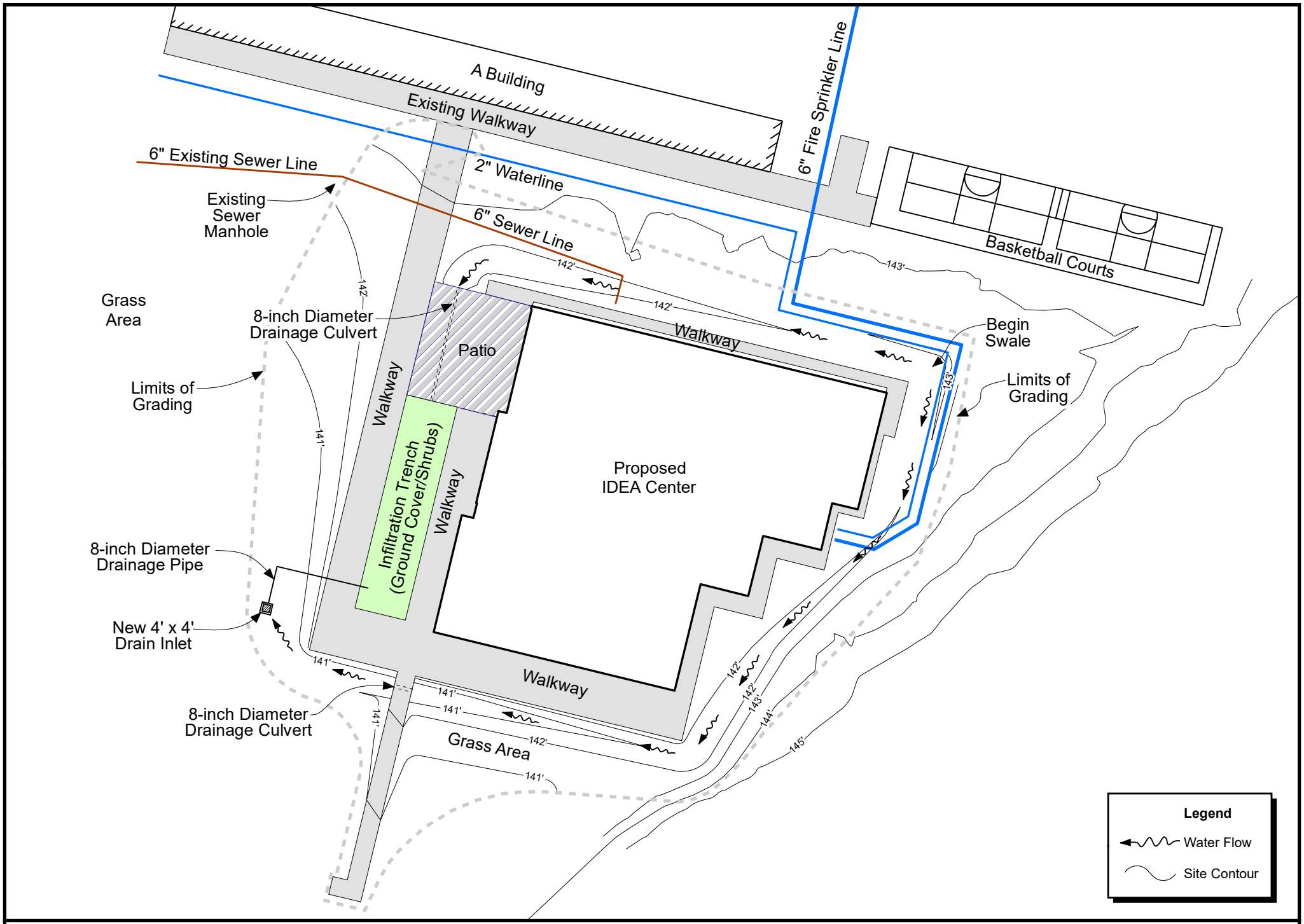


Figure 7 - Drainage and Infrastructure
Noelani Elementary School
New IDEA Center

3 SUMMARY OF AFFECTED ENVIRONMENT, POTENTIAL IMPACTS, AND MITIGATION MEASURES

3.1 NATURAL ENVIRONMENT

3.1.1 Topography and Soils

Most of the school grounds are at an elevation of approximately 140 feet above mean sea level. The site of the proposed IDEA Center was previously graded and is level and comprises the east portion of the NES central lawn (see Figure 3). Soils underlying the project site, and the entire NES campus, consist of a single soil type, i.e., Makiki Stony Clay Loam (MIA). MIA soils have a 0 to 3 percent slope, developed in material derived from basic igneous rock, and is found on stream bottoms and flood plains. The soil is moderately permeable, runoff is very slow, and the erosion hazard is no more than slight (USDA 1972). Based upon the development that has taken place at NES over the years, it is possible that some of the MIA soils have been replaced and covered by engineered fill and/or topsoil. Topography and soil classifications underlying the project site and the surrounding area are shown in Figure 8.

Potential Impacts and Mitigation Measures

The Proposed Action would also involve some excavation, grading, and fill activities that would alter the existing topography at the project site. However, alteration of the site topography would not be significant as construction-related activities will conform to all applicable rules relating to soil erosion standards and guidelines including strict erosion/dust control measures. A construction best management practices plan (BMPP) will be developed and may include, but not be limited to, mitigation measures including silt fences and temporary catch basins to prevent any soil or sediment from transporting off-site, and to prevent the trailing of dirt from the construction site onto surrounding CCH roadways.

3.1.2 Water Resources

There are no surface water bodies or wetlands located at the project site or within the NES campus. Mānoa Stream is located approximately 250 feet to the east of the NES campus and flows behind Hawai‘i at Mānoa research and instructional facilities and residential lots along Hipawai Place (see Figure 9).

The NES is situated over a section of the Palolo aquifer of the Honolulu aquifer sector. The Palolo aquifer is characterized by an unconfined sedimentary aquifer above a confined flank aquifer. The sedimentary aquifer is comprised of moderately brackish water, has potential use (but not for drinking water), and is highly vulnerable to contamination. The flank-confined aquifer is used for drinking water, has a low vulnerability to contamination, and is irreplaceable (Mink and Lau 1990).

Potential Impacts and Mitigation Measures

The Proposed Action involves the construction of a new IDEA Center on the NES campus. This construction would occur within an already developed campus and within the already developed urban area of Mānoa. The Proposed Action has been designed to HI-CHPS standards and will be one of the first buildings to be constructed to comply with the Hawai‘i State Department of Education mandate to create high-performance, environmentally sustainable facilities. Based on its small and localized footprint, its non-industrial nature, and development of and compliance with a project-specific construction BMPP, significant adverse impacts to nearby surface water and groundwater resources are not anticipated as a result of the Proposed Action.

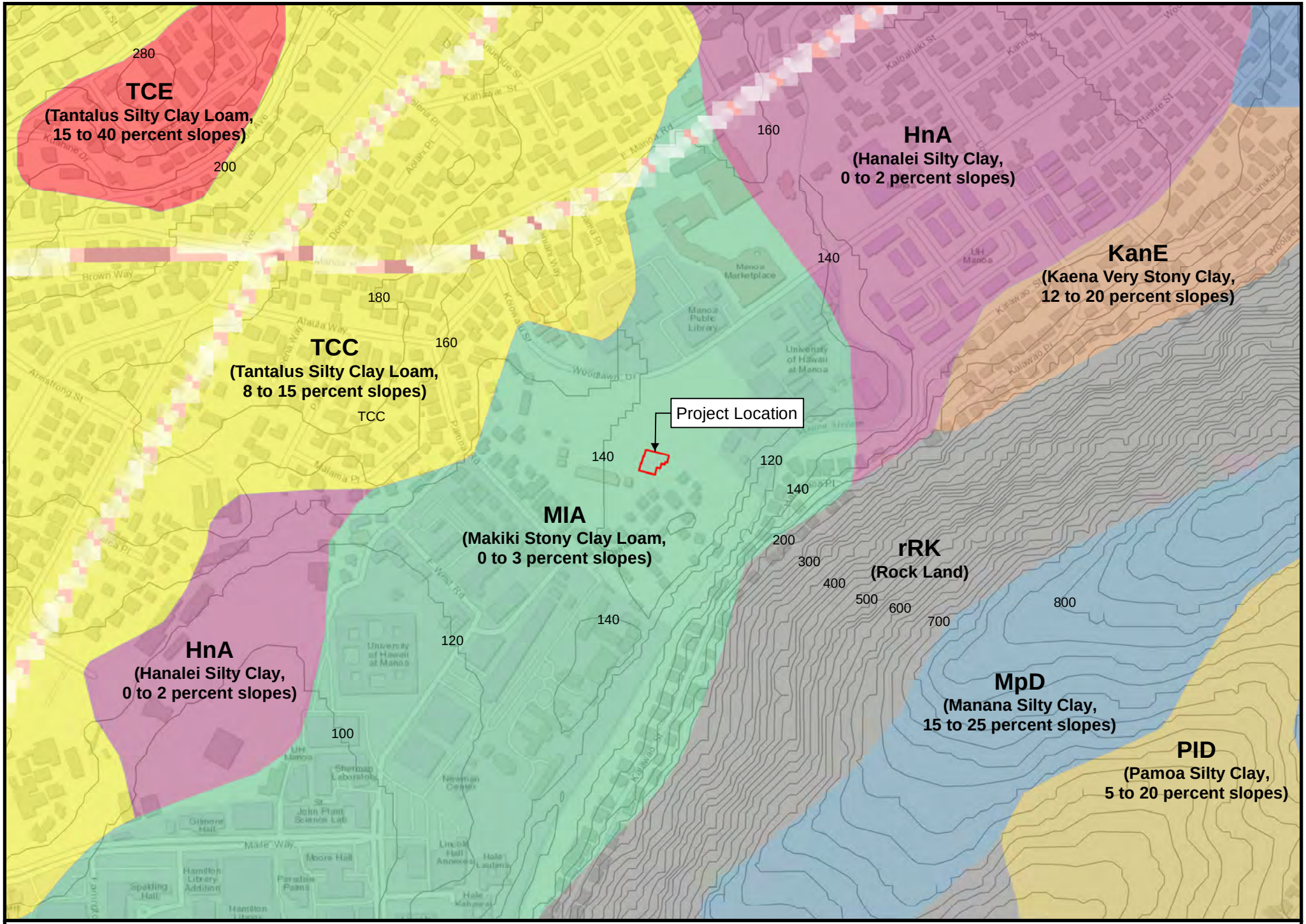


Figure 8 - Soils and Topography
Noelani Elementary School
New IDEA Center

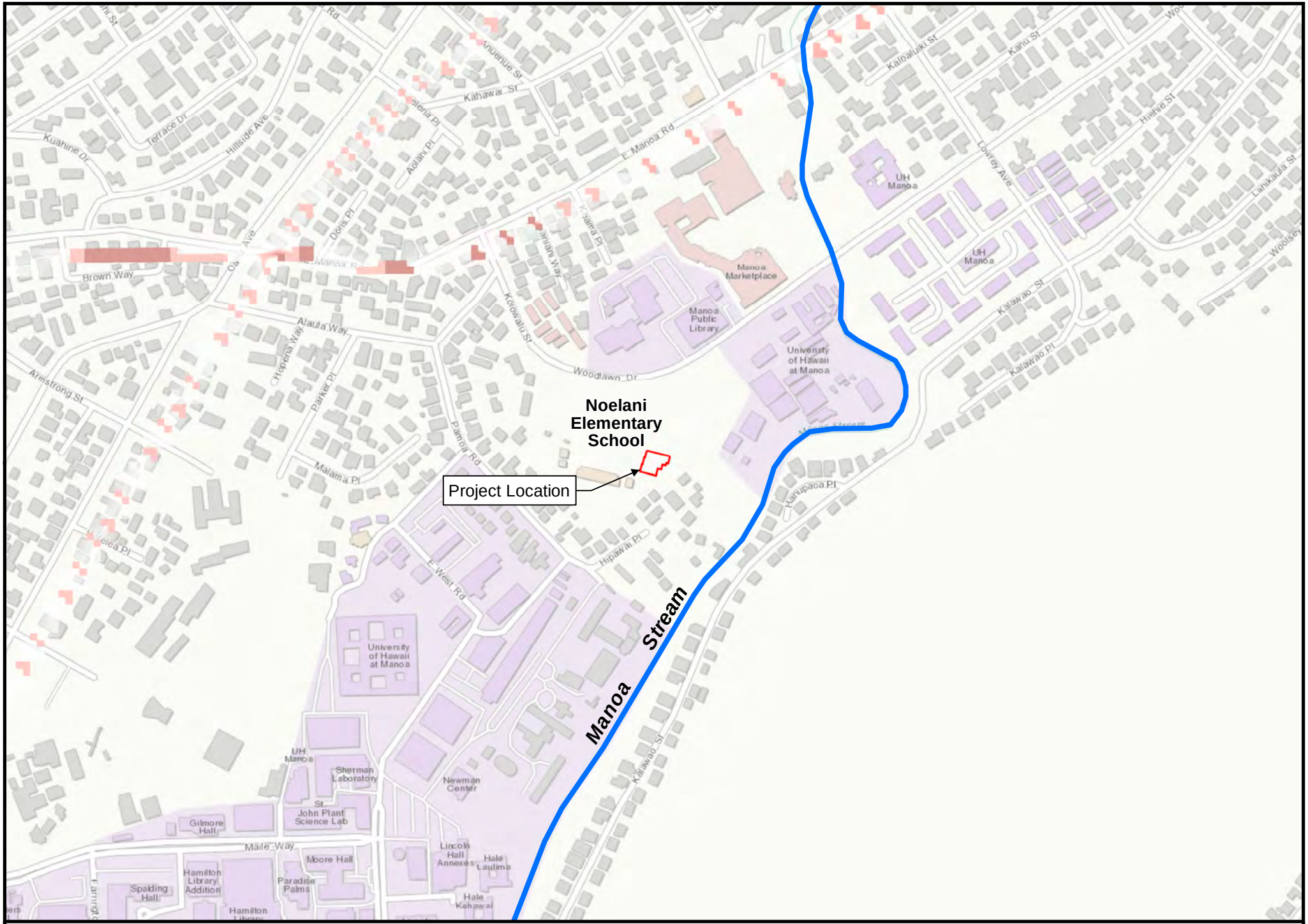


Figure 9 - Surface Water Resources
Noelani Elementary School
New IDEA Center

0 450 900 1,800 Feet

3.1.3 Biological Resources

The project site is located entirely within the NES campus with maintained grounds, predominantly manicured lawns, shrubbery, and scattered trees.

On July 25, 2017, a botanical survey within the project site was conducted (see Appendix C). The vascular flora inventoried at the project site consist of 49 botanical species. Of the species identified, 20 are lawn grasses or common lawn weeds and seven are trees, all presumably planted as part of the campus landscaping. All the plants identified within the project site are either ornamentals or occurring as weeds among the ornamentals. None of the plant species inventoried are endemic or native to Hawai'i and none of the trees are Exceptional.

NES fauna observed during the 2017 biological survey consist of various common, non-native avian species such as the House finch (*Carpodacus mexicanus frontalis*) and Common mynah (*Acridotheres tristis*). Non-avifauna was not observed at the site during the survey. However, given the high usage of the property for school activities and the urban character of the Mānoa area, terrestrial fauna that may exist within and around the campus may include common feral animals, e.g., cats (*Felis catus*), dogs (*Canis familiaris*), and Small Indian Mongoose (*Herpestes auropunctatus*).

Potential Impacts and Mitigation Measures

Eleven on-campus trees will be permanently removed and two trees will be relocated and replanted because they are either in the Proposed Action's construction access path; within a sewer easement since trees are typically not allowed within utility easements; in an area to be graded for a drainage swale; within or at the edge of the new IDEA Center and walkway footprint; or, in the case of two Lemon-scented gum trees and a Cook Pine, exhibit defects of sufficient concern due to wounds, root defects, and/or decay to warrant removal. None of these trees are currently recognized or nominated as Exceptional Trees (i.e., a tree, stand or grove of trees with historic or cultural value, or that by reason of age, rarity, location, size, aesthetic quality or endemic status, is designated by a county arborist advisory committee as worthy of preservation) in accordance with the 1975 Exceptional Trees Act (Act 105) and Revised Ordinances of Honolulu Chapter 41, Article 13. The NES trees to be removed or replanted are all non-native species and are listed below along with the reason for their removal or relocation (Sasaki, personal communication) and a description of their condition (Carol Kwan Consulting 2019b; see Appendix D). The locations of these trees are shown on Figure 10.

1. African tulip tree (*Spathodea campanulata*) – in the construction access path and within or straddling the sewer easement; crown dieback is evident and there are numerous root flare injuries
2. Cook pine (*Araucaria columnaris*) – within the sewer easement; gummosis on the trunk is evident
3. Lemon-scented gum (*Corymbia citriodora*) – in an area to be graded for a drainage swale; the crown is sparse with some dieback
4. African tulip tree (*S. campanulata*) – within or straddling the sewer easement and in an area to be graded for a drainage swale; crown dieback is evident, primary scaffold branches are hollow, root flare injury is significant, and there are cavities
5. Lemon-scented gum (*C. citriodora*) – at the edge of the proposed building and walkway; either younger than other trees in the area or has structural issues that are not visually apparent

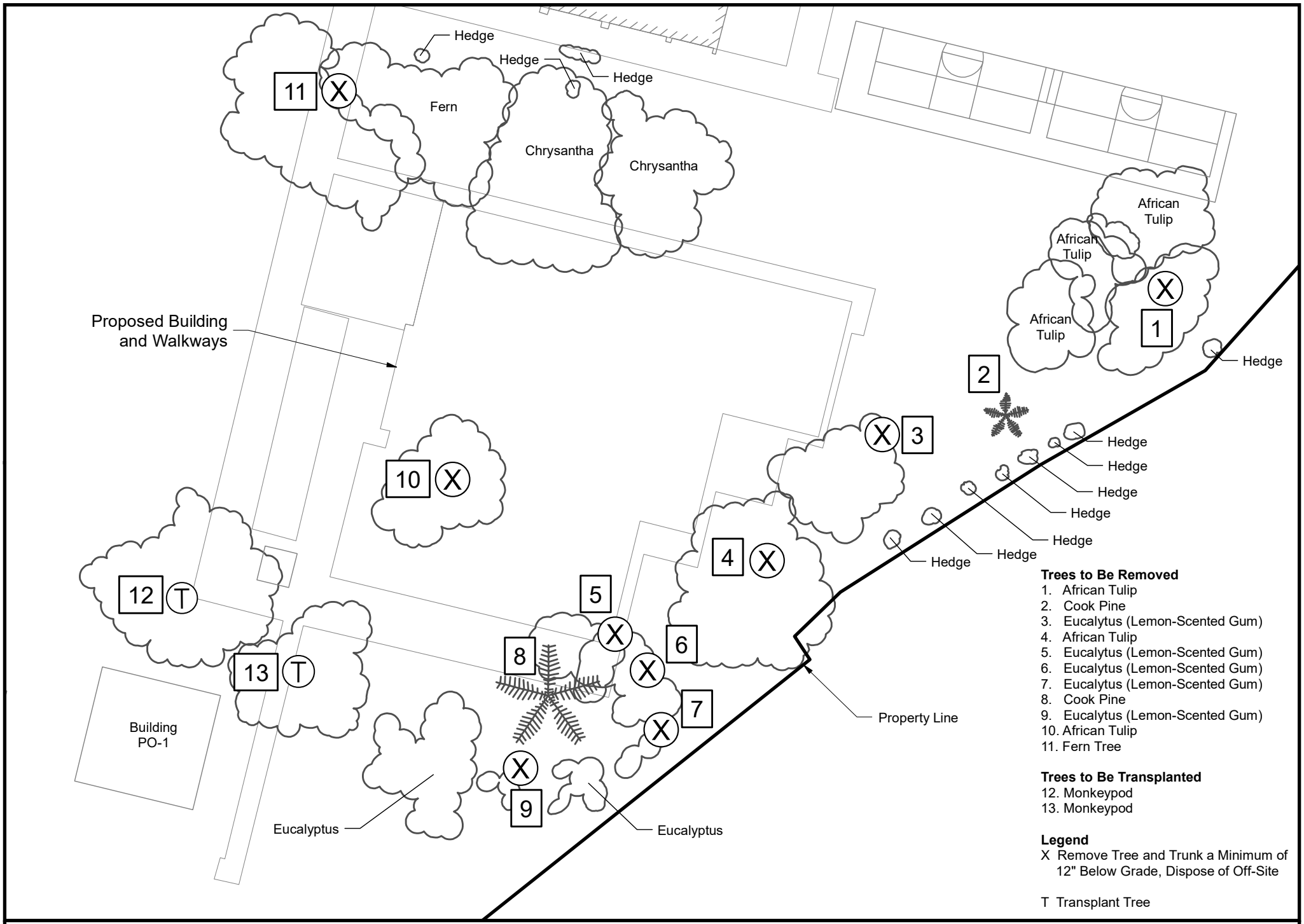


Figure 10 - Trees to be Removed
Noelani Elementary School
New IDEA Center

6. Lemon-scented gum (*C. citriodora*) – within or straddling the sewer easement and at the edge of the proposed walkway and drainage swale; good health and structural condition
7. Lemon-scented gum (*C. citriodora*) – in an area to be graded for a drainage swale; is leaning toward a neighboring property with a lower trunk and root flare dead area opposite the lean; removal is warranted
8. Cook pine (*A. columnaris*) – at the edge of the proposed walkway and drainage swale; buttress roots decay and an excessively raised crown increases the risk of failure under wind loading
9. Lemon-scented gum (*C. citriodora*) – within or straddling the sewer easement; is not a good candidate for retention as it is suppressed with numerous wounds, bark tears, gummosis, and a sparse crown; extensive internal decay and/or possible termite activity is suspected; removal is warranted
10. African tulip tree (*S. campanulata*) – within the building footprint; significant injuries to buttress roots
11. Fern tree (*Filicium decipiens*) – within the proposed covered walkway footprint; low primary scaffold pruning stub with decay and too mature for relocation
12. Monkeypod (*Samanea saman*) – at the end of the proposed walkway and drainage swale
13. Monkeypod (*S. saman*) – at the end of the proposed walkway and drainage swale

Nine of the 11 trees to be removed will be replaced with native species consisting of six *Loulu* palms (*Pritchardia* sp.) and three *ʻŌhiʻa lehua* trees (*Metrosideros* sp.). *Loulu* was selected to relate to existing *Loulu* palms across the NES field that are on both sides of the *hula* mound. *ʻŌhiʻa lehua* was selected because it is a native species, flowers, and will help to provide some future screening of the new building from neighboring properties. The six *Loulu* palms will be planted along the west edge of the proposed IDEA Center and walkway while the *ʻŌhiʻa lehua* trees will be planted between the proposed building and the NES campus' eastern property line. The two Monkeypod trees will be transplanted at the northeastern end of the campus along Woodlawn Drive (see Figure 11). Remaining trees in the vicinity of the Proposed Action construction area will be protected during construction by surrounding them with 4-foot-tall, high-visibility plastic fencing on steel pickets.

The project site is not located within or in the vicinity of a current or proposed critical habitat or jurisdictional wetland and no perennial streams flow through or adjacent to the site. Furthermore, there are no on-site plant or animal species listed as endangered, threatened, proposed, or candidate by the U.S. Fish and Wildlife Service under the Endangered Species Act or State of Hawaiʻi laws under HRS 13-124(3a).

3.1.4 Air Quality

Air quality in the project area, as with most areas on the island of Oʻahu, is generally considered good due to the presence of prevailing northeast trade winds from inland areas out to sea.

The residential nature of the adjacent Mānoa community and the absence of major sources of industrial or vehicular emissions further contributes to the good air quality of the area. The Hawaiʻi Department of Health (HDOH) maintains a limited network of air monitoring stations around the state to gather data on air pollutants. There are four HDOH air monitoring stations on the island of Oʻahu. The monitoring station nearest the project site is the Honolulu Station located on Punchbowl Street in downtown Honolulu

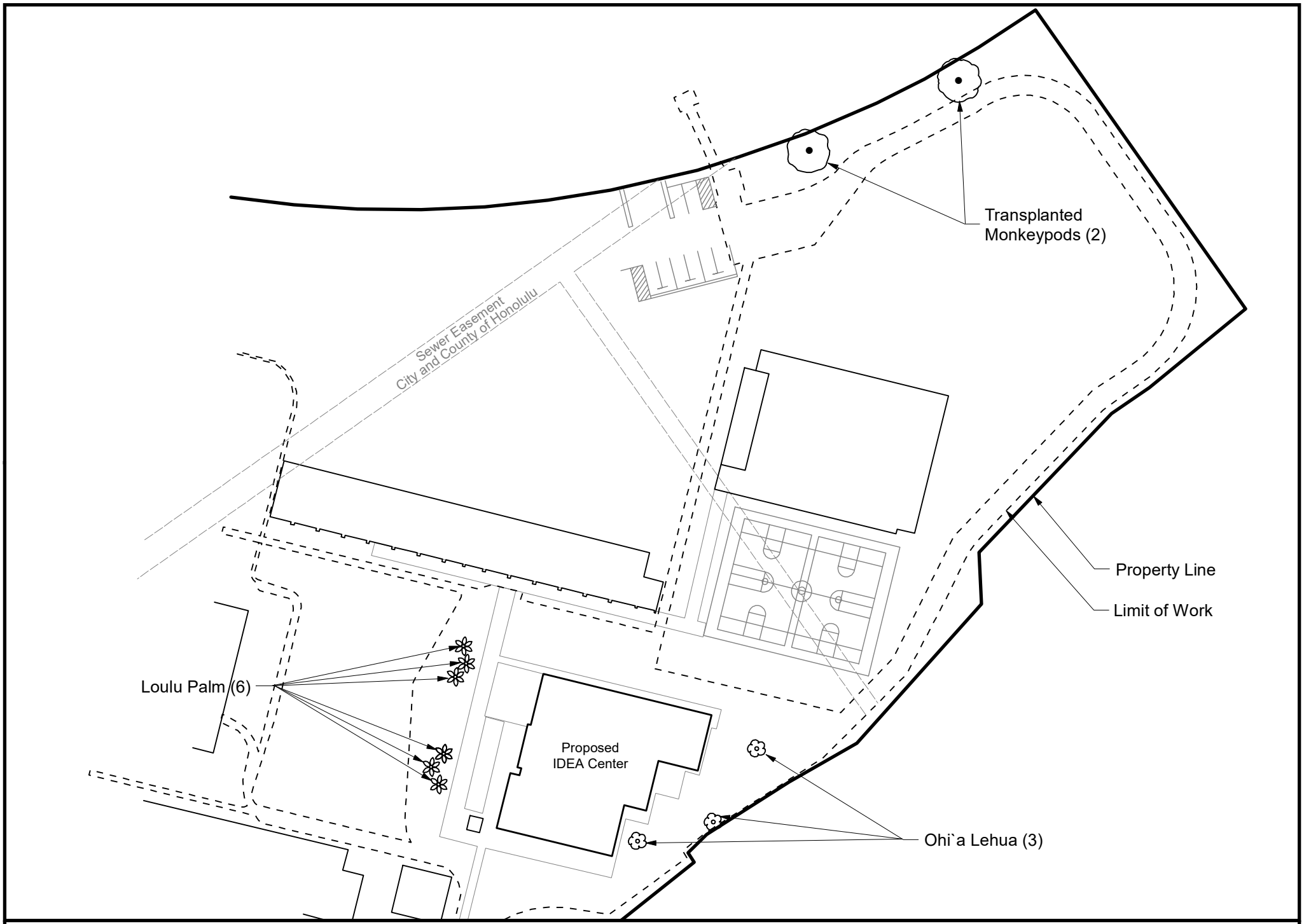


Figure 11 - Proposed Replacement and Transplanted Trees
Noelani Elementary School
New IDEA Center

approximately 3.5 miles west of NES. Based on the most recent published air quality data from the Honolulu Station, the ambient air quality in the vicinity of the project site is very good with criteria pollutant concentrations falling well below both state and federal ambient air quality standard thresholds (HDOH 2017).

Potential Impacts and Mitigation Measures

Short-term impacts to localized air quality would likely be generated by construction activities at the project site. Construction vehicular activity would increase automotive pollutant concentrations at the project site. Construction activities would also generate fugitive dust emissions resulting in an increase of particulate matter levels in the project area. However, these pollutant sources are temporary in nature and would not result in long-term adverse impacts on the ambient air quality.

During the construction period, fugitive dust control measures would be implemented to reduce the amount of particulate matter emissions at the site in conformance with HDOH administrative rules, i.e., HAR Chapter 11-60 (*Air Pollution*). The erection of dust screens around the construction site and the frequent watering of unpaved, newly graded areas can help with on-site dust control. Dust would be further minimized by paving newly graded areas as soon as practicable.

No long-term adverse impacts to air quality resulting from future activities are expected as the Proposed Action will not significantly increase the discharge of vehicular emissions relative to the surrounding developed environment. Additionally, prevailing trade winds disperse air pollutants rapidly to minimize any significant impacts.

3.1.5 Flood Hazard

According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM), NES is in Flood Hazard Zone "X" (see Figure 12), which is defined as areas "determined to be outside the 0.2 percent annual chance floodplain (FIRM Panel 15003C0370F, September 30, 2004).

Potential Impacts and Mitigation Measures

Like other existing buildings and structures within the NES campus, adverse impacts to the proposed new IDEA Center resulting from flood hazards are not anticipated as it is located outside a floodplain.

3.2 MAN-MADE ENVIRONMENT

3.2.1 Land Use

Surrounding land use is comprised mainly of residential homes, commercial establishments, community facilities (e.g., Mānoa Public Library), and facilities associated with the University of Hawai‘i at Mānoa.

The State of Hawai‘i’s Land Use Commission (LUC) sets the boundaries and classifies all lands within the state into one of four district classifications, i.e., Conservation, Agricultural, Rural, and Urban. The project site and the surrounding area are classified as Urban by the LUC. The State Land Use Urban District is characterized by a “city like” concentration of a population and its required services. As such, much of the surrounding populated areas in the vicinity of NES are classified as Urban. State land use classifications are shown in Figure 13.

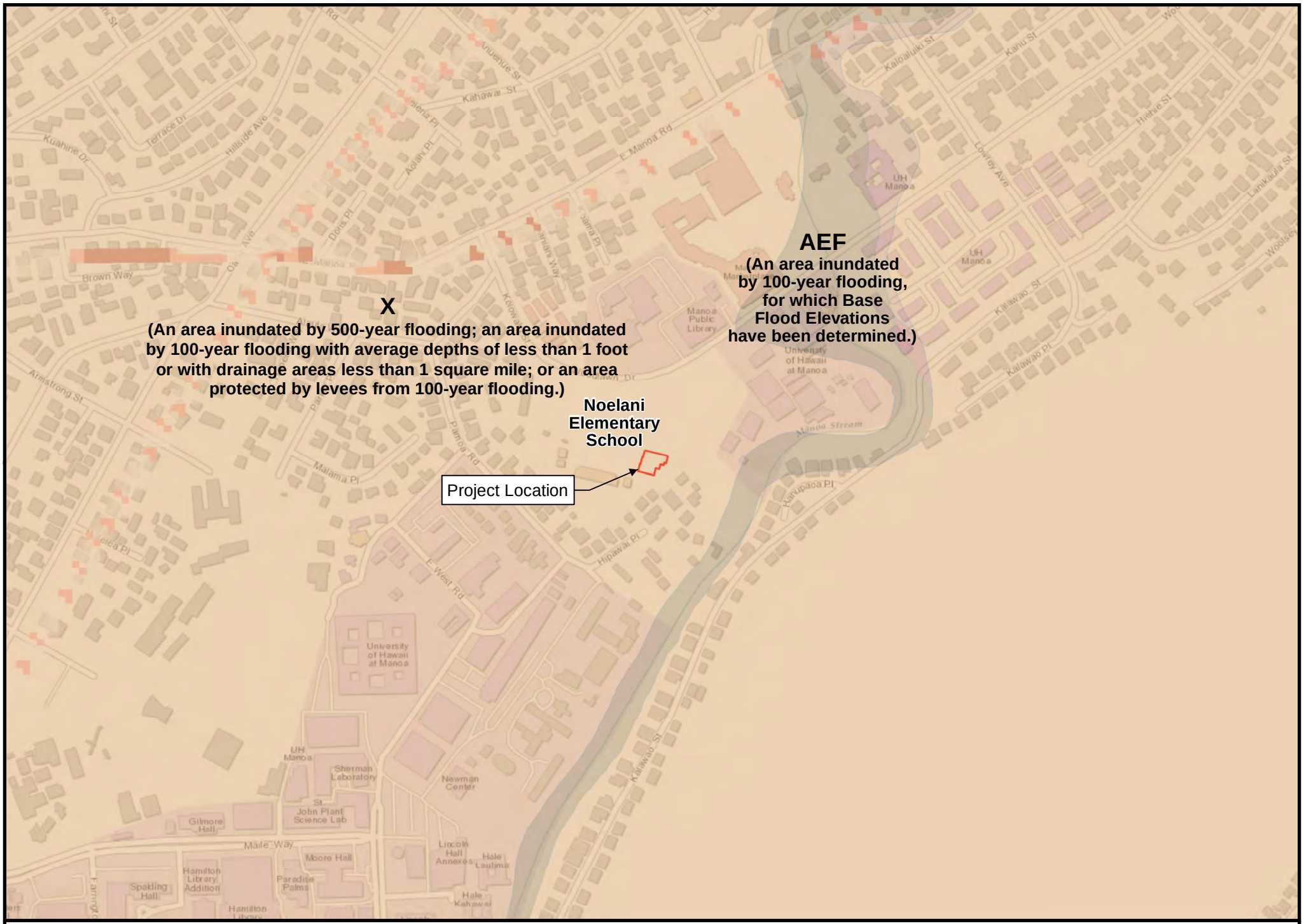


Figure 12 - Flood Zone Map
Noelani Elementary School
New IDEA Center

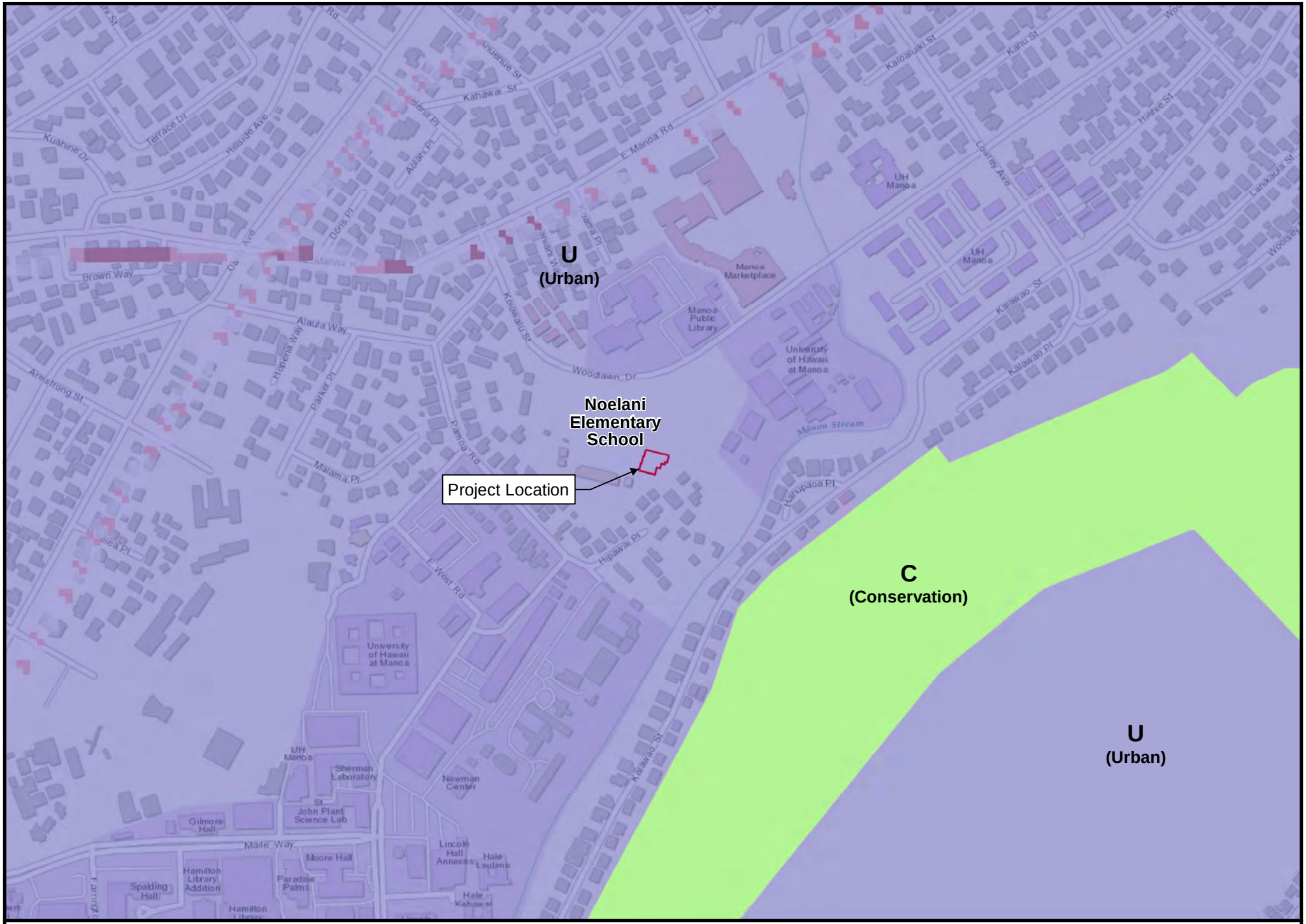


Figure 13 - Land Use Map
Noelani Elementary School
New IDEA Center

CCH maintains jurisdiction and administration of land uses within Rural and Urban Districts in order "to regulate land use in a manner that will encourage orderly development in accordance with adopted land use policies … and to promote and protect the public health, safety and welfare…" (Chapter 21, Land Use Ordinance). Under CCH's classification system, the project site is zoned residential (R-7.5). Land zoned R-7.5 is intended for residential use with a minimum lot size of 7,500 square feet. Elementary schools are a permitted use in the R-7.5 zoning district. All lands immediately adjacent to the NES are zoned residential (R-7.5). Similarly, lands within the general surrounding area of NES are predominantly zoned residential (R-5, R-7.5, and R-10) with the exception of a smaller business district (B-1) located to the north of the campus and areas of preservation district lands (P-1 and P-2) to the southeast. The NES property is not located within the CCH-delineated Special Management Area. Zoning designations within and around the project site are shown in Figure 14.

Potential Impacts and Mitigation Measures

Lands within the urban core are populated and developed and existing land uses around the project site are urban in nature to include predominantly residential dwellings, commercial business establishments, and educational institutions. The Proposed Action will, therefore, not result in significant impacts to land use as it will be consistent with existing surrounding land use and development as permitted within both the state LUC Urban district and the CCH R-7.5 Residential zone. The Proposed Action also will not require the taking of or easements on neighboring properties.

Except to install utility connections along Woodlawn Drive and potential temporary use of the University of Hawai'i at Mānoa's Magoon driveway along the northeast border of the NES campus for construction vehicles, access to properties adjoining the campus will not be disturbed during and after IDEA Center construction.

3.2.2 Utilities and Infrastructure

3.2.2.1 Water and Sewer

Potable water to the NES is provided by the Honolulu Board of Water Supply (BWS) via a 12-inch-diameter water main which runs along Woodlawn Drive and water service is metered through a 2-inch water meter. Water for fire protection is supplied from existing fire hydrants along Woodlawn Drive. However, as previously discussed in Section 2.3, fire protection for the new IDEA Center will be provided by an automatic fire sprinkler line that will connect to the existing Woodlawn Drive water main.

NES wastewater discharges into sewer lines of varying diameters (24 inches, 15 inches, and 8 inches) located throughout the school grounds within sewer easements. The 24-inch-diameter and 15-inch-diameter lines are part of the Mānoa Trunk Sewer and Mānoa Trunk Relief Sewer systems.

Potential Impacts and Mitigation Measures

No significant adverse impacts to water or wastewater infrastructure are anticipated as the Proposed Action will provide the same function as the existing library and is anticipated to utilize and generate comparable volumes of potable water and wastewater, respectively, to that of the existing library.

The Proposed Action will comply with all applicable local codes, standards, and requirements for domestic water and wastewater design. Additionally, the Proposed Action will meet the HI-CHPS Criteria for New Construction and Major Modernizations in developing and implementing sustainability features.

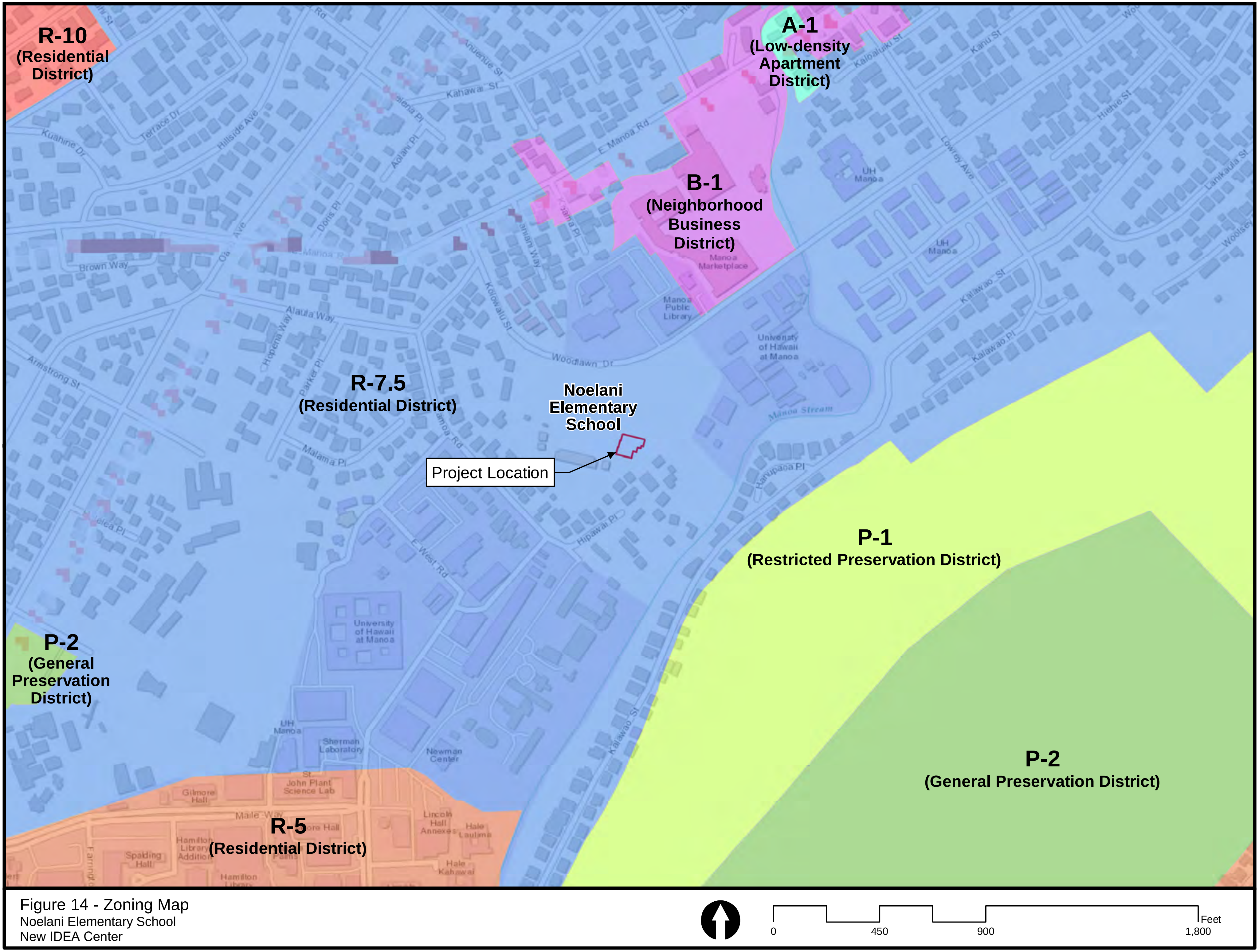


Figure 14 - Zoning Map
Noelani Elementary School
New IDEA Center

The Proposed Action may incorporate, but not be limited to inclusion of the following water conservation features.

- Indoor water needs will meet the HI-CHPS requirements of achieving at least 20 percent water savings with a desired goal of 30 percent water reduction.
- To further reduce the use of potable water, the feasibility of using ultra-efficient plumbing fixtures such as low-flow water faucets (0.35 gallons per minute [gpm] metered or auto sensor faucets), low-flush water closets (1.28 gallons per flush [gpf} or less, or dual-flush systems), low-flow urinals (0.125 gpf, or waterless systems), low-flow showerheads (1.75 or 1.5 gpm), and low-flow kitchen or classroom sink faucets (1.5 gpm or less) will be considered.
- Landscape water needs shall meet the HI-CHPS requirements with a desired goal of 35 percent water reduction. To further reduce the use of potable water for landscaped areas, an irrigation system is not being proposed. Instead, the use of captured rainwater will be utilized to irrigate landscaping around the building.
- To best meet the water efficiency goals, the plant species selected will be drought resistant, low-maintenance, and suitable for its locale.

3.2.2.2 Power and Communications

The NES campus is serviced by existing underground power and communication infrastructure along Woodlawn Drive, and the proposed IDEA Center's power and communications will be routed in underground conduits connecting to the existing on-campus electrical and communication system.

Potential Impacts and Mitigation Measures

No significant adverse impacts to power or communication utilities are anticipated as the Proposed Action will provide the same function as the existing library. The new IDEA Center is anticipated to utilize and generate comparable power and communication demands to that of the existing library and would not exceed or overload the capacity of existing electrical and communication infrastructure.

The Proposed Action will comply with all applicable local codes, standards, and requirements for energy and communication design. Additionally, the Proposed Action will meet HI-CHPS Criteria in developing and implementing sustainability features. The proposed project may include the following energy conservation features.

- Energy consuming systems as well as the building orientation, massing and envelope design meeting or exceeding code requirements for energy efficiency.
- A high-performance building envelope incorporated into the design with balanced amounts of windows for daylight, views, and openness while factoring in the energy performance of the building envelope.
- Thermal insulation and exterior cladding systems meeting or exceeding code requirements.
- ENERGY STAR®-certified roofing products to further contribute to energy performance and thermal comfort.
- A building level energy meter and an appropriate energy management system meeting HI-CHPS requirements with a centrally located scheduling interface.
- Designed to meet the requirements of being solar ready based on HI-CHPS requirements.

Potential light pollution from the Proposed Action's nighttime outdoor lighting may impact star-gazing activities at the neighboring University of Hawai'i at Mānoa's Institute for Astronomy. Outdoor lighting will consequently be fully shielded, limited to what is only necessary for on-site illumination, motion-sensor activated, and have a color temperature not higher than 2,700 degrees Kelvin to minimize star-gazing interference.

3.2.3 Public Services

3.2.3.1 Solid Waste

Solid waste generated at the NES is collected by the private contractor, West Oahu Aggregates, who service the NES daily, Tuesday through Saturday.

Potential Impacts and Mitigation Measures

The Proposed Action will provide the same function as the existing library and is anticipated to generate solid waste amounts comparable in volume and nature to that of the existing library. Therefore, no significant adverse impacts from solid waste are anticipated.

3.2.3.2 Protective and Public Health Services

The Mānoa Fire Station (Honolulu Fire Department Station #22) is located at 2580 East Mānoa Road and services the NES and surrounding area. The Mānoa Fire Station is located less than 0.5 mile north of the campus. Police protection services are provided by the Honolulu Police Department headquartered on Beretania Street. The nearest medical facility to NES is the Kapi'olani Medical Center for Women and Children located at 1319 Punahou Street approximately 2 miles southwest of the school.

Potential Impacts and Mitigation Measures

The Proposed Action is not anticipated to have significant impacts on areal fire, police, and public health services. Additionally, as previously discussed in Section 2.3, the proposed IDEA Center's automatic fire protection sprinkler system meets CCH Fire Code requirements and has obtained HFD approval.

3.2.4 Traffic and Circulation

Traffic engineering consultation services were undertaken in support of this EA. The information presented in this section is based primarily on the findings presented in Appendix E.

NES is in Mānoa Valley, a residential neighborhood east of downtown Honolulu. The NES campus is situated along Woodlawn Drive, a four-lane street with on-street parking and one lane of traffic in each direction. Along school's frontage to the west, the street name changes to Kolowalu Street. The campus includes a primary parking lot that is served by two driveways onto Woodlawn Drive; additional parking is provided on adjacent paved lots that also connects to Woodlawn Drive.

To the west, Kolowalu Street intersects with East Mānoa Road, a collector street serving the east half of Mānoa Valley as the stem of a signalized "T" intersection. Single-family homes front Kolowalu Street; offices affiliated with the University of Hawai'i at Mānoa and a public library are located across the street from the school. To the east, land uses abutting Woodlawn Drive include additional university offices and housing, and secondary access to Mānoa Marketplace, a neighborhood shopping center.

While no traffic counts were taken specifically for this project, the CCH Department of Transportation Services (DTS) provided traffic count data for Woodlawn Drive from a 24-hour count taken beginning at

9:00 AM on Wednesday, June 28, 2017. The traffic count data showed a 24-hour total volume of 8,854 vehicles per day with the highest (or peak) hourly volume of 761 vehicles per hour occurring in the afternoon from 4:45 PM to 5:45 PM. It should be noted that the DTS counts were performed while NES was not in regular session. As such, it was estimated that an elementary school with 450 students generates 580 vehicle trips on an average weekday. NES trip generation and traffic estimates are shown in Table 1.

Table 1 – NES Traffic Estimates

Time Period	Trip Rate per Student*	% Distribution (into NES)*	Vehicles Entering NES	Vehicles Exiting NES
Average Weekday	1.29	50	290	290
AM Peak Hour	0.45	55	111	91
PM Peak Hour	0.15	49	33	34
PM Peak Hour of Site	0.28	45	57	69

*From *Trip Generation Manual, 9th Edition* (Institute of Transportation Engineers 2012)
Source: Julian Ng, Inc. (2017)
% = percent
AM = ante meridiem
NES = Noelani Elementary School
PM = post meridiem

If traffic is assumed to split 75 percent and 25 percent in opposite directions on Woodlawn Drive, daily traffic on the street would be 10,600 vehicles per day with school in session. Morning peak hour traffic is estimated to be 640 vehicles per hour between 7:30 AM and 8:30 AM, while afternoon peak hour traffic would be 780 vehicles per hour between 4:45 PM and 5:45 PM. A smaller peak would occur near the end of the school day (680 vehicles per hour between 2:00 PM and 3:00 PM).

Potential Impacts and Mitigation Measures

The Proposed Action will involve the replacement of an existing library and does not present any changes or increase in vehicular parking and/or circulation. As such, the project will not directly affect the size of the school (i.e., number of staff and students) and would have no effect on vehicular traffic.

The existing library, however, will not be demolished as part of the Proposed Action and will be repurposed in the future. Trip generation rates based on overall increase in floor area (i.e., area of both the existing and new buildings) indicate that increases in traffic could potentially result with extant library reuse. However, such increases would be negligible and not significant. Table 2 below provides estimates of potential increase in traffic generated if the existing library is repurposed.

Table 2 – NES Potential Increase in Traffic

Time Period	Trip rate per 1,000 SF*	% Distribution (into NES)*	Vehicles Entering NES	Vehicles Exiting NES
Average Weekday	15.43	50	58	58
AM Peak Hour	5.20	56	22	17
PM Peak Hour	1.21	45	4	5
PM Peak Hour of Site	3.11	44	10	13

*From *Trip Generation Manual, 9th Edition* (Institute of Transportation Engineers 2012)
Source: Julian Ng, Inc. (2017)
% = percent
AM = ante meridiem
NES = Noelani Elementary School
PM = post meridiem

The potential impact to traffic would be an increase of approximately 1 percent in daily volume on Woodlawn Drive. Increases in traffic volumes would be 5 percent during the AM Peak Hour, 1 percent during the PM Peak Hour, and 3 percent in the hour near the end of the school day. The highest traffic volumes would continue to occur during the PM Peak Hour. Any potential increase in traffic due to reuse of the existing library would therefore not result in significant impacts traffic conditions.

So as not to disrupt campus traffic during the school year, it is anticipated that construction contractor vehicles would enter and exit the campus from Woodlawn Drive via the open field at the northeast end of the campus and not through the school's paved driveways and parking lots (see Figure 11). An alternative campus access is through an existing a double gate along the University of Hawai'i at Mānoa's Magoon driveway off Woodlawn Drive and along the NES campus' northeastern property border, however it will require right-of-entry approval from the University of Hawai'i at Mānoa.

3.2.5 Noise Environment

Noise generated at the project site is typical of those common at elementary schools and include child play and learning activities, school bells, and facility groundskeeping/maintenance activities. Due to the predominantly urban surroundings, sound levels outside the project site are typical of residential areas. Surrounding ambient sound levels are minimal and are influenced primarily by ambient noise typical of residential environments derived from mainly from residential maintenance activities, pedestrians, and motor vehicles, with occasional noise from emergency vehicle sirens, buses, and heavy trucks traveling along Woodlawn Drive.

Potential Impacts and Mitigation Measures

Changes in ambient noise levels at the project site will not occur or will be negligible because the proposed future site use will be the same as the existing use. As such, long-term, significant adverse noise impacts are not anticipated as the noise generated by the Proposed Action would be consistent with the existing ambient noise typical of the surrounding school/residential environment.

Short-term noise impacts generated from construction-related activities at the project site would result from the Proposed Action. Noise generated by such activities (e.g., earth moving equipment, construction vehicles, etc.) can generate intermittently high noise levels, particularly during close-in construction work. However, these impacts would not be significant as they would be short term and temporary in nature and would not result in long-term adverse impacts to the surrounding environment. Short–term noise-generating activities would be conducted in accordance with HDOH-enforced HAR Chapter 11-46 (*Community Noise Control*).

3.2.6 Archaeological, Historic, and Cultural Resources

In 2010 an archaeological literature review and field inspection (ALRFI) was conducted at the NES campus to address the site of a covered play court located approximately 100 feet north of the proposed IDEA Center site. The ALRFI specifically addressed the 0.5-acre project area in the east/central portion of the

NES campus as well as the NES campus and the surrounding Mānoa area. This section is based mainly on the findings of the ALRFI.

The project area was previously disturbed by the construction of the World War II-era Mānoa War Housing and more recently by the construction of Noelani Elementary School. Archaeological studies have recorded the presence within Mānoa of subsurface historic properties—including cultural deposits and human burials—of both pre-contact Hawai‘ian and post-western contact provenance. These deposits had remained intact despite the years of construction activity that have altered the entire Mānoa area (CSH 2010).

No historic sites have been identified on the NES campus which was constructed in 1962. However, if there are original buildings on the property that are more than 50 years old, they could possibly qualify as historic properties. Furthermore, it is uncertain whether the association with former President of the United States Barrack Obama—who is understood to have been a student in Miss Sakai's 1967 kindergarten class at the school—will influence future historic preservation considerations for the NES campus.

Within the Mānoa *ahupua‘a* there are 15 registered archaeological sites that have been identified from past archaeological investigations all of which are located outside the NES campus boundary. Thirteen of the sites are located 2,000 feet or more from the campus. The two archaeological sites nearest the campus are Hipawai Heiau (State Inventory of Historic Properties [SIHP] No. 50-80-14-63) and remnant pre-contact agricultural terraces (SIHP No. 50-80-14-3874) situated approximately 400 feet and 800 feet south of the NES, respectively (CSH 2010).

No human burials have been documented within the immediate vicinity of NES. The nearest traditional Hawai‘ian burials documented were near Keller Hall approximately 0.6 miles southwest of the project area and along Dole Street adjacent to the Kanewai Cultural Garden and near the Kamakuokalani Center for Hawai‘ian Studies approximately 0.75 mile southeast of the project area. Both burials were located on or near the University of Hawai‘i at Mānoa campus (CSH 2010).

Potential Impacts and Mitigation Measures

Informal early consultation was initiated with the State Historic Preservation Division (SHPD) requesting a Historic Properties Determination for the Proposed Action (see Appendix F). In its response, SHPD noted that though no archaeological survey has been competed for the Proposed Action, the ALRFI indicated that no historic properties are present within the NES campus, few historic properties are within the vicinity of the campus, and archaeological potential is low within MIA soils. The ALRFI also noted that NES is a possible historic property given its construction in the early- to mid-1960s and age, i.e., over 50 years old.

Based on the above, SHPD requested archaeological monitoring be conducted for the Proposed Action during construction activities to adequately identify archaeological historic properties, determine potential impacts to them, and ensure that the appropriate mitigation is implemented. Additionally, an archaeological monitoring plan meeting the requirements of HAR Chapter 13-279-4 (*Rules Governing Standards for Archaeological Monitoring Studies and Reports*) will be prepared by the design consultant and approved by SHPD prior to construction. Per HAR 13-279-3, archaeological monitoring may be utilized as an identification, mitigation, or post-mitigation contingency measure. Though the probability of encountering archaeological properties is low, archaeological monitoring will adequately identify and

document any archaeological properties encountered, assess their significance, provide a project effect recommendation, and provide appropriate mitigation recommendations.

4 SIGNIFICANCE DETERMINATION

The Hawai'i Environmental Policy Act establishes procedures by which environmental impacts resulting from a Proposed Action are disclosed. The rules governing the implementation of HRS Chapter 343 are found in HAR Chapter 11-200-12, which establishes 13 significance criteria that are used in evaluating a Proposed Action's impacts. The following discussion is intended to demonstrate how the Proposed Action relates to generally recognized significance criteria, which, when applied, support a finding of no significant impact.

1. *The Proposed Action will not involve an irrevocable commitment, loss or destruction of and natural or cultural resources.* Thirteen non-native trees that are also not currently recognized or nominated as Exceptional Trees will be removed or transplanted as a result of the Proposed Action as most of the trees are situated within or on the edge of the construction area or utility easement. Of them, two Lemon-scented gum trees (*C. citriodora*) were assessed by a certified arborist as not good candidates for retention due to visible defects of sufficient concern to warrant removal. To avoid an irrevocable loss or destruction of this natural resource, the two non-native Monkeypod trees (*S. saman*) will be transplanted at the campus frontage along Woodlawn Drive. Nine native trees, i.e., six *Loulu* palms (*Pritchardia* sp.) and three *'Ōhi'a lehua* trees (*Metrosideros* sp.), will replace the remainder of the trees to be removed and planted east and west of the new IDEA Center.

   In 2018 an *'Ōhi'a lehua* tree was planted by the school on the NES campus. An April 2019 NES campus beautification project included the planting of six more trees comprised of three native or Polynesian-introduced species, i.e., three *Alahe'e* trees (*Psydrax odorata*), two *Kukui* trees (*Aleurites moluccana*), and one *'Ōhi'a lehua* tree. To be planted on the school campus later in 2019 are another *Alahe'e* tree, two *Kukui* trees, six *Loulu* palms, two *'Ōhi'a lehua* trees, and 10 *Pualoalo* shrubs (*Hibiscus arnotiianus*). The Proposed Action's replacement tree plantings and the school's campus beautification plantings will result in a net increase of 26 on-campus trees and shrubs all to be predominantly comprised of native species.

   No cultural resources will be committed or lost. The surrounding area has been developed for residential use and new educational facilities within an existing school campus will provide superior educational opportunities to children in the lower Mānoa residential community.

2. *The Proposed Action will not curtail the range of beneficial uses of the environment.* The Proposed Action will not curtail the beneficial use of the environment. Conversely, and as previously discussed, the project will be designed to include environmental preservation and energy conservation measures to the extent practicable resulting in environmentally sustainable beneficial impacts.

3. *The Proposed Action will not conflict with the state's long term-environmental policies.* The state's long-term environmental policies are set forth in HRS Chapter 344 (*State Environmental Policy*). The broad goals of the policy are to conserve natural resources and enhance the quality of life. The Proposed Action fulfills aspects of these policies by providing the local community with modern educational facilities thus enhancing the community's quality of life. The Proposed Action will also satisfy the intent of these policies by reducing water and energy demands through incorporation of conservation design measures.

4. *The Proposed Action will not substantially affect the economic or social welfare of the community or state.* By providing needed, upgraded educational facilities, the Proposed Action will benefit the social welfare of the community over time.

5. *The Proposed Action does not substantially affect the public health in a detrimental way.* The Proposed Action will benefit public health as the new building will be HI-CHPS compliant and will incorporate design features that will provide an improved internal environment (e.g., air quality, temperature control, lighting, etc.) relative to that of the existing library.
6. *The Proposed Action will not involve substantial secondary impacts such as population changes or effects on public facilities.* No secondary effects are anticipated to result from the Proposed Action, which will improve educational facilities. The proposed action would not induce significant in-migration or adversely affect public facilities.
7. *The Proposed Action will not involve a substantial degradation of environmental quality.* The Proposed Action is confined to the NES campus, is environmentally benign, and will not contribute to environmental degradation.
8. *The Proposed Action will not substantially affect any rare, threatened or endangered species of flora or fauna or habitat.* There is nothing biologically unique about the NES campus or its vegetation. The campus is not located within a current or proposed critical habitat and there are no jurisdictional wetlands or perennial streams occurring within the project site. Furthermore, there are no plant or animal species listed as endangered, threatened, proposed, or candidate species occurring on the project site.
9. *The Proposed Action is not one which is individually limited but cumulatively may have considerable effects upon the environment or involves a commitment for larger actions.* The Proposed Action is a stand-alone improvement limited to the NES campus. It is not related to additional activities in the region in such a way as to produce adverse cumulative effects or involve a commitment for larger actions.
10. *The Proposed Action will not detrimentally affect air or water quality or ambient noise levels*. The Proposed Action will not result in adverse effects to air quality, water quality, and ambient noise levels. As discussed previously, mitigation of construction and operational phase impacts will preserve air, water, and noise quality. All construction-related disturbances will be short-term and temporary in nature and will be limited to permissible daytime hours.
11. *The Proposed Action does not affect or would it likely to be damaged as a result of being located in an environmentally sensitive area such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous lane, estuary, fresh water, or coastal area.* The Proposed Action is not located within a flood zone or SMA.
12. *The Proposed Action will not substantially affect scenic vistas and view planes identified in the county or state plans or studies*. The Proposed Action will be located within an existing, developed, elementary school campus. No scenic view planes will be adversely affected by the project.
13. *The Proposed Action will not require substantial energy consumption.* Construction of the Proposed Action will require additional consumption of energy. However, once the IDEA Center is built this additional consumption should be reduced through conservation design features that will result in reduced energy consumption. Therefore, there will be no long-term adverse effects on the capacity of the electrical utility to supply power to the IDEA Center or school.

5 RELATIONSHIP TO PLANS POLICIES AND CONTROLS

5.1 STATE LAND USE LAW

All lands within the State of Hawai'i are classified into one of four land use districts—Urban, Rural, Agriculture, or Conservation—by the State Land Use Commission pursuant to HRS Chapter 205 (*Land Use Commission*). The project site is situated within the State Land Use Urban District (Figure 11). The State Land Use Urban District is essentially defined as a "city-like" concentration of a population and its required services. The surrounding populated areas around NES are classified as "Urban." The proposed project is consistent with the State Urban classification.

5.2 STATE OF HAWAI'I ENVIRONMENTAL POLICY

HRS Chapter 344 (*State Environmental Policy*) encourages productive and enjoyable harmony between people and their environment. The policy promotes efforts to prevent or eliminate damage to the environment and biosphere, stimulate the health and welfare of humanity, and enrich the people of Hawai'i's understanding of ecological systems and natural resources.

As previously discussed, the Proposed Action encourages the efficient use of energy and water resources, and provides improvement to an existing school which, in turn, will encourage both formal and informal environmental education to various elementary school age groups. Additionally, expanding citizen participation in the decision-making process is one of the guidelines specified in HRS Chapter 344. During EA pre-assessment consultation and draft publication processes, public and agency participation will be achieved.

5.3 HAWAI'I STATE PLAN

Adopted in 1978 and revised in 1991 pursuant to HRS Chapter 226 as amended (*Hawaii State Planning Act*), the Hawai'i State Plan establishes a set of themes, goals, objectives and policies that are meant to guide the State's long-term growth and development activities. The three themes that express the basic purpose of the Hawai'i State Plan are individual family self-sufficiency, social and economic mobility, and community or social well-being. The Proposed Action will promote these goals by enriching the NES educational experience, enhancing elementary school educational facilities in the Mānoa area thus improving the quality of life, community and social well-being of the region.

5.4 HAWAI'I STATE FUNCTIONAL PLANS

The Hawai'i State Functional Plans serve to guide the implementation of policies, guidelines, and priorities of the State Plan within specific fields of activity. The following provides a discussion on the Functional Plans applicable to the project.

The Education State Functional Plan (ESFP) was produced in 1989 by the Department of Education through a participatory process and seeks to carry forth the goals and objectives of the State Plan. The ESFP identifies three clusters of goals. Cluster A provides policies related to four basic educational needs: academic excellence, basic skills, education workforce, and facilities and services.

Objective A(4) of the ESFP addresses school services and facilities, and sets forth policy to:

> *Ensure the provisions of adequate and accessible educational services and facilities that are designed to meet individual community needs.*
>
> *(a) Secure the resources necessary to implement and carry out a program to provide for safe*

and secure campus environments.

The Proposed Action supports the ESFP. The provision of the new facility will enable the campus administration to operate more efficiently and to provide the appropriate services for the students and parents of the NES.

5.5 HAWAIʻI COASTAL ZONE MANAGEMENT PROGRAM

The Coastal Zone Management Act of 1972 (16 USC Section 1451), as amended through Public Law 104-150, created the coastal management program and the National Estuarine Research Reserve system. Coastal states are authorized to develop and implement a state coastal zone management program. The Hawaiʻi Coastal Zone Management (CZM) Program received federal approval in the late 1970s. Pursuant to HRS Chapter 205A (*Coastal Zone Management*) and specifically Section 205A-2, the objectives of the CZM Program are to protect valuable and vulnerable coastal resources such as coastal ecosystems, special scenic and cultural values and recreational opportunities. The objectives of the program are also to reduce coastal hazards and to improve the review process for activities proposed within the coastal zone. Each county is responsible for designating a Special Management Area (SMA) that extends inland from the shoreline. Development within this SMA is subject to county approval to ensure the proposal is consistent with the policies and objectives of the Hawaiʻi CZM Program.

Though the entire island of Oʻahu is classified as a coastal zone, the project site is not within an SMA consequently does not require an additional review under State CZM or CCH SMA rules.

5.6 CITY AND COUNTY OF HONOLULU GENERAL PLAN

Adopted by resolution in 1977, the 1992 revised edition of the General Plan for the City and County of Honolulu (General Plan) sets forth the long-range objectives for the general welfare and prosperity of the people of Oʻahu and broad policies to attain those objectives. The Draft 2035 Oʻahu General Plan Update was published in November 2012 and is currently in the public review phase. The General Plan Update provides objectives and policies intended to guide and coordinate CCH land use planning and regulation, and budgeting for operations and capital improvements.

Health and Education Objective B of the General Plan is particularly relevant to the Proposed Action as it addresses providing a wide range of educational opportunities to the people of Oʻahu and sets forth policy to, *Encourage the construction of school facilities that are designed for flexibility and high levels of use.*

The Proposed Action supports this General Plan objective as it will provide additional administrative and student support space enabling the school staff to better support educational opportunities for NES students. The IDEA Center will be constructed within the existing NES campus thereby providing a more compact development and intensive use of urban lands. In addition, since the new building will be constructed within the developed campus center area, existing utilities such as water, sewage, drainage, electrical power and other services are already available at project site.

6 CONSULTED PARTIES AND PUBLIC INVOLVEMENT

6.1 EARLY CONSULTATION AND DRAFT ENVIRONMENTAL ASSESSMENT

In accordance with HRS Chapter 343 and HAR Chapter 11-200, early consultation efforts were undertaken during preparation of this EA. Early consultation request letters were distributed to governmental agencies, organizations, and individuals that may have jurisdiction or expertise with respect to the Proposed Action. Thirty-seven early consultation letters were mailed and comments from 14 respondents were received (see Appendix G).

7 ALTERNATIVES

7.1 NO ACTION ALTERNATIVE

Under the No Action Alternative, the proposed IDEA Center would not be constructed. As a result, all associated impacts, both adverse and/or beneficial, presented in this EA would not occur. Similarly, the No Action Alternative would result in maintaining the status quo, i.e., continued use of the existing library which is aging and becoming increasingly inadequate. The No Action Alternative would also result in an opportunity cost by not selecting an action alternative.

7.2 ALTERNATIVE 1 - RENOVATION OF EXISTING LIBRARY

Renovating the existing library building was considered. However, renovation would need to address several key improvement criteria including, but not limited to, increasing the building size to accommodate larger grade-level gatherings, meeting multipurpose needs/requirements, updating IT facilities, and upgrading the fire protection system. Meeting these criteria by renovating the existing library would be difficult or not possible due to various constraints including cost, a confined building location, and limited expansion potential. As such, this alternative was eliminated from further consideration.

7.3 ALTERNATIVE 2 – ALTERNATE LOCATION

The on-campus site for the IDEA Center addressed in this EA is the most suitable for the proposed use. Alternate sites within the NES campus were considered, however they were limited, and available areas would have required either the demolition of existing structures and/or would be located a considerable distance from the central campus area adversely affecting accessibility. At its proposed location the IDEA Center will be situated within the school's central campus area, proximal to existing classrooms and offices, and will not require the demolition of existing structures. Furthermore, the proposed location affords the IDEA Center (including its walkway improvements) with optimal accessibility to students and staff while also improving overall pedestrian circulation within the NES campus core.

7.4 ALTERNATIVE 3 - ALTERNATE DESIGN

During the preliminary design stages of the Proposed Action, alternative design options for the IDEA Center were considered including an alternate fire protection system consisting of the installation of a fire hydrant on the NES campus and the construction of a 20-foot-wide fire access lane extending to Woodlawn Drive. This alternative design would entail the disturbance and paving of an additional 13,450 square feet of lawn area and the removal of additional mature trees to the south and east of the covered play court area. This alternative would be both more expensive and result in a significantly larger impact footprint than the preferred alternative. Based on the design process it was determined that the Proposed Action's design provides the least impact to the school environment and operations while also being the most efficient, safe, and cost-effective alternative.

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Appendix A
Site Photographs

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1. Existing library. (View to southeast)..

2. Existing library (View to northeast)

3. Existing library with covered entrance ramp on right. (View to south).

4. Existing library entrance and covered entrance ramp. (View to east)

5. Existing library main entrance and circulation desk.. (View to west)

6. View of existing library main reading area. (View to south)

7. View of existing library circulation desk. (View to west)

8. Site of proposed library. (View to east)

9. Site of proposed library. (View to southeast)

10. Site of proposed library with Building PO-1 and Building B in background. (View to south)

11. Site of proposed library view from Building PO-1 with Building A (left) and covered play area (right) in background. (View to north)

12. Site of proposed library with Building A (left) and covered play area (right) in background. (View to north)

13. Area east of library site with covered playcourt in background. (View to northeast)

14. Area east of library site with covered play area and Woodlawn Drive in background. (View to north)

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Appendix B
Honolulu Fire Department Access Equivalency Approval

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HONOLULU FIRE DEPARTMENT

CITY AND COUNTY OF HONOLULU

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

KIRK CALDWELL
MAYOR

MANUEL P. NEVES
FIRE CHIEF

LIONEL CAMARA JR.
DEPUTY FIRE CHIEF

July 10, 2017

Mr. Lorrin Matsunaga, AIA
Principal
Urban Works
831 Pohukaina Street, Suite E1
Honolulu, Hawaii 96813

Dear Mr. Matsunaga:

Subject: Request for Access Equivalency Approval
Noelani Elementary School Library
2655 Woodlawn Drive
TMK: 2-9-023: 023

In response to your letter dated June 21, 2017, regarding the above-mentioned subject, the Honolulu Fire Department (HFD) determined that installation of an automatic sprinkler system is equivalent to the Fire Code of the City and County of Honolulu requirements.

The HFD approves your request to allow for the increased distance of 450 feet to the furthest point of the fire lane and 250 feet to a door that leads to the interior of the building.

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

Sincerely,

Socrates D. Bratakos

SOCRATES D. BRATAKOS
Assistant Chief

SDB/SY:ps

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Appendix C
Botanical Survey

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A botanical survey for a new library building at Noelani Elementary School, Mānoa, Honolulu

December 14, 2017 *AECOS* No. 1513

Eric Guinther
AECOS, Inc.
45-939 Kamehameha Hwy, Suite 104
Kāneʻohe, Hawaiʻi 96744
Phone: (808) 234-7770 Fax: (808) 234-7775 Email: sburr@aecos.com

Introduction

Noelani Elementary School is located in central Mānoa Valley (Figure 1), just above the University of Hawaiʻi at Mānoa campus at an elevation of around 140 ft (40 m). The surrounding area is entirely developed, mostly in houses and university facilities. The elementary school campus itself is a collection of single and two-story classroom buildings surrounded by well-maintained lawns with well-maintained ornamental plantings bordering most of the structures.

A new library building is proposed for a lawn area on the southeast corner of the campus (Figure 2). Because this is opposite the street located along the north side of the campus (Woodlawn Drive), a fire road may need to be constructed from the street to the proposed library location. Our botanical survey encompassed all of the open lawn in the areas proposed for the library structure and the open areas between the site and the street. The survey extended up to (and included) plantings around the margins separating the lawn areas from buildings and walkways. Scattered trees are present within the survey area.

Methods

The botanical survey was undertaken by the author on July 25, 2017. A pedestrian or wandering transect method was used that entailed the botanist covering the survey area (Fig. 2) on foot and noting each plant species as it was encountered. The botanist carried a Trimble 6000 Series GNSS unit (GeoXH) to

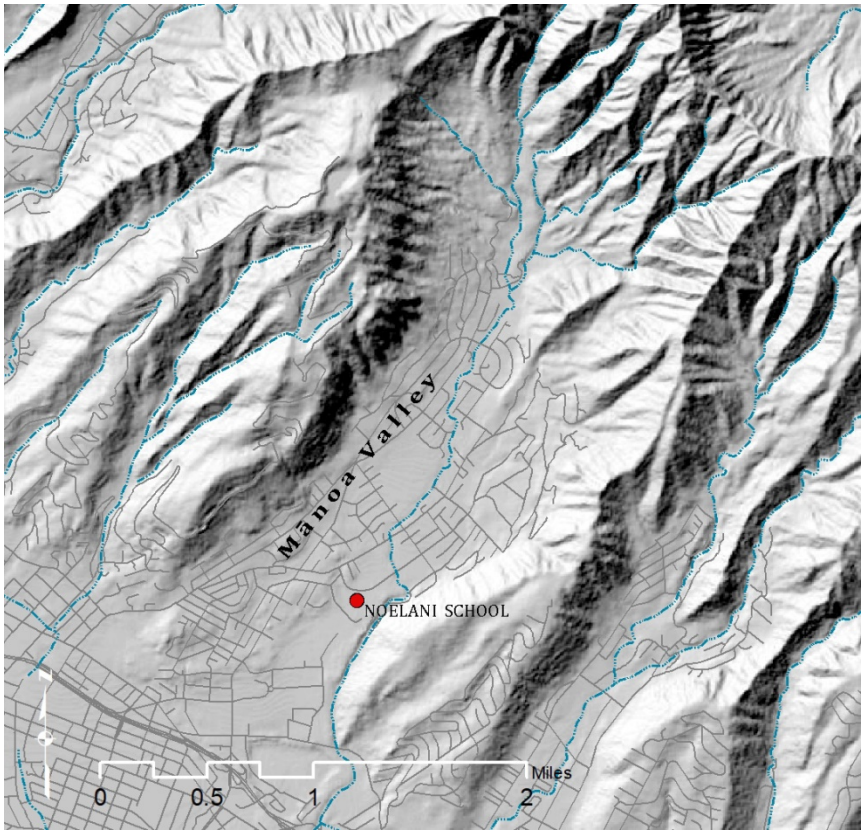

Figure 1. Location map: Noelani Elementary School in Mānoa Valley.

record a progress track, providing real-time feedback on location and adequacy of coverage during the survey as well as the capability to mark the position of any feature or plant of special interest. Any plant not immediately recognized during the survey was photographed and/or a representative feature (e.g., a flower, fruit, or leaf) collected for later identification at the laboratory. In a few cases (mostly grasses), plants could not be identified due to a lack of flowering or fruiting at the time of the survey owing to recent mowing of the lawn. Although the survey was conducted in the dry season, conditions with respect to dryness were not adverse; upper Mānoa Valley has experienced adequate rainfall throughout the months preceding the survey and, as the survey covered maintained grounds, watering would have been applied had conditions become too dry to support the vegetation in a healthy state.

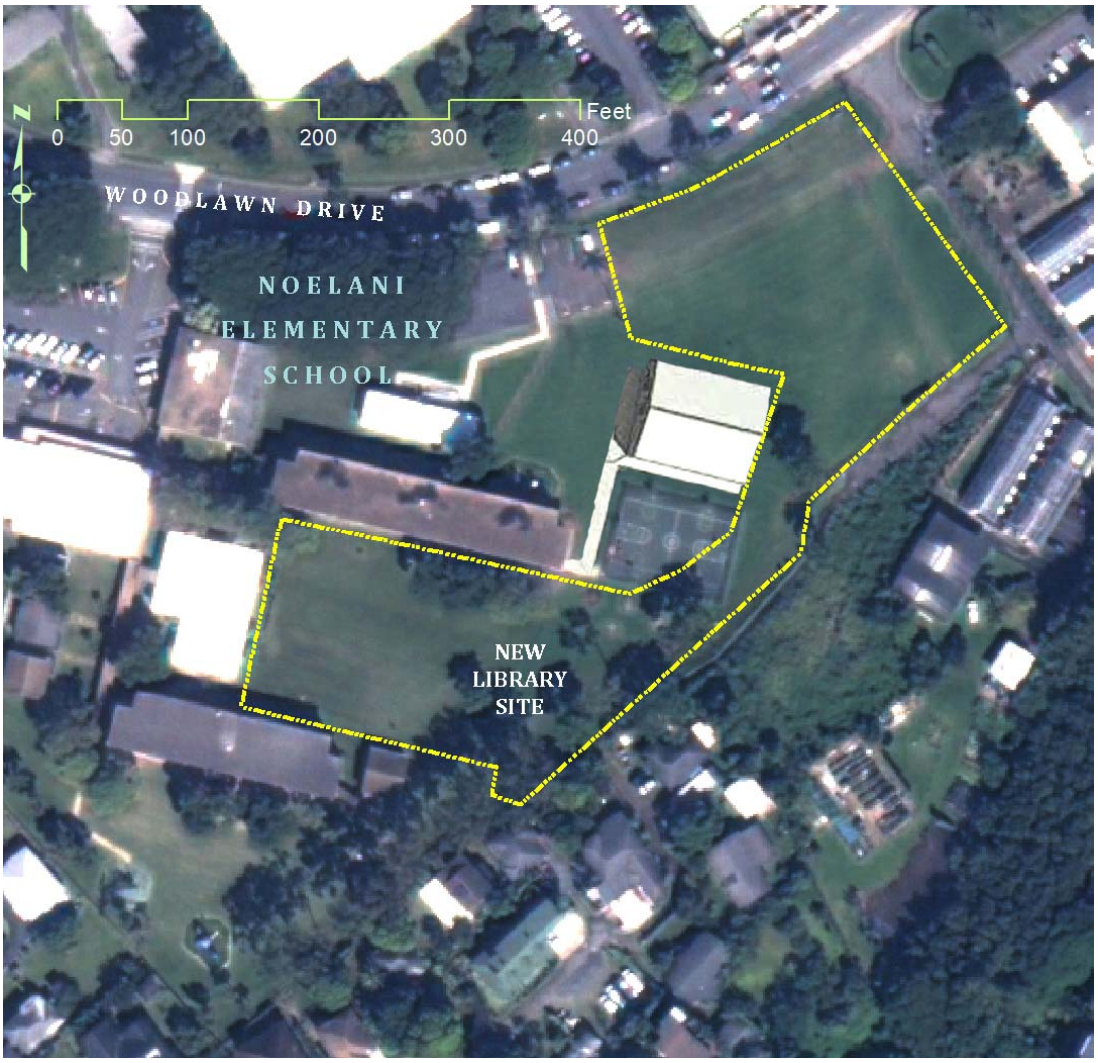

Figure 2. Aerial view of Noelani Elementary School with botanical survey area outlined in yellow.

Plant names used herein follow *Manual of the Flowering Plants of Hawai'i* (Wagner, Herbst, & Sohmer, 1990; Wagner & Herbst, 1999) for native and naturalized flowering plants, and *A Tropical Garden Flora* (Staples & Herbst, 2005) for ornamental plants. More recent name changes for naturalized plant species follow Imada (2012).

Results

The survey area consists entirely of maintained grounds, mostly lawn, but with some shrubbery plantings and scattered trees. Table 1 is a listing of the plant species identified during the survey. Relative abundance values (rare, common, etc.) are not provided for the reason that all of the plants are either plantings or weeds within planting areas.

Table 1. Flora of Noelani Elementary School new library site.

SPECIES	Common Name	Status	Notes
	GYMNOSPERMS		
ARAUCARIACEAE			
Araucaria columnaris (G. Forst.) J.D. Hook.	Cook Island pine	Nat	<3>
	FLOWERING PLANTS DICOTYLEDONES		
ACANTHACEAE			
Graptophyllum pictum (L.) Griff.	caricature plant	Orn	
Thunbergia fragrans Roxb.	sweet clockvine	Nat	
AMARANTHACEAE			
Alternanthera pungens Kunth	khaki weed	Nat	<2>
APIACEAE			
Cyclospermum leptophyllum (Pers.)Sprague	fir-leaved celery	Nat	
ASTERACEAE			
Bidens alba (L.) DC.	beggar's tick	Nat	
Calyptocarpus vialis Less.	---	Nat	<2>
Conyza sp.	horseweed	Nat	<3>
Sphagneticola trilobata (L.) Pruski	wedelia	Nat	
Synedrella nodiflora (L.) Gaertn.	nodeweed	Nat	
Tridax procumbens L.	coat buttons	Nat	
BIGNONIACEAE			
Spathodea campanulata P. Beauv.	African tulip	Nat	<3>
Tabebuia donnell-smithii Rose	gold tree	Orn	<4>
Tabebuia sp.	---	Orn	<4>
BRASSICACEAE			
Lepidium virginicum L.	pepperwort	Nat	
CONVOLVULACEAE			
Ipomoea obscura (L.) Sweet	field bindweed	Nat	<4>

Table 1 (continued).

SPECIES	Common Name	Status	Notes
EUPHORBIACEAE			
Chamaesyce hypericifolia L.	graceful spurge	Nat	
FABACEAE			
Albizia saman F. Muell.	monkeypod	Nar	
Desmodium incanum DC.	Spanish clover	Nat	
Indigofera hendecaphylla Jacq.	creeping indigo	Nat	<2>
Leucaena leucocephala (Lam.) deWit	*koa haole*	Nat	
Mimosa pudica L.	sensitive plant	Nat	<2>
MALVACEAE			
Hibiscus rosa-sinensis L.	Chinese hibiscus	Orn	
Malvastrum coromandelianum (L.) Garcke	false mallow	Nat	
Sida ciliaris L.	---	Nat	
MYRTACEAE			
Eucalyptus citriodora Hook.	lemon-scented gum	Nat	<3>
NYCTAGINACEAE			
Boerhavia coccinea Mill.	false *alena*	Nat	
Bougainvillea spectabilis Willd.	bougainvillea	Orn	
PASSIFLORACEAE			
Passiflora suberosa L.	wild passionfruit	Nat	
RUBIACEAE			
Spermacoce assurgens Ruiz & Pav.	buttonweed	Nat	
SAPINDACEAE			
Filicium decipiens (Wight & Arnott) Thwaites ex J.D. Hook.	fern tree	Nat	
VERBENACEAE			
Duranta erecta L.	golden dewdrop	Orn	
Lantana camara L.	lantana	Nat	
FLOWERING PLANTS			
MONOCOTYLEDONES			
ARECACEAE			
Pritchardia thurstonii F. Muel. & Drude	---	Orn	
CYPERACEAE			
Cyperus gracilis R. Br.	McCoy grass	Nat	<1>
Cyperus rotundus L.	nut grass	Nat	
Kyllinga nemoralis (Forst.) Dandy ex Hutch. & Dalz.	*kili'o'opu*	Nat	
POACEAE (GRAMINEAE)			
Axonopus compressus (Swartz) P. Beauv.	broad-leaved carpetgrass	Nat	<1>

Table 1 (continued).

SPECIES	Common Name	Status	Notes
POACEAE (continued)			
Bothriochloa barbinodis (Lag.) Herter	fuzzy top	Nat	
Cynodon dactylon (L.) Pers.	Bermuda grass	Nat	<1>
Digitaria insularis (L.) Mez ex Ekman	sourgrass	Nat	
Eleusine indica (L.) Gartn.	wiregrass	Nat	
Eragrostis pectinacea (Michx.) Nees	Carolina lovegrass	Nat	
Megathyrsus maximus (Jacq.) B.K. Simon & W.L. Jacobs	Guinea grass	Nat	
Paspalum macrophyllum Kunth	---	Nat	
Paspalum conjugatum Bergius	Hilo grass	Nat	<1>
Sporobolus diandrus (Retz.) P. Beauv.	Indian dropseed	Nat	
Sporobolus cf. *indicus* (L.) R.Br.	West Indian dropseed	Nat	
Urochloa mutica (Forssk.) Nguyen	California grass	Nat	

Legend to Attachment B

Status = distributional status

Nat = naturalized, exotic, plant introduced to the Hawaiian Islands since the arrival of Cook Expedition in 1778, and well-established outside of cultivation.

Orn = exotic, ornamental or cultivated; plant not naturalized (not established outside of cultivation).

Notes:

<1> Major lawn grass at this location.

<2> Common lawn weed at this location.

<3> Included in list of trees potentially at-risk for removal.

<4> Plants lacking fruit or flower; identification, therefore, somewhat uncertain.

A total of 49 plant taxa were identified from that part of the Noelani School campus surveyed in July. Of these, 20 species are lawn grasses or common lawn weeds; 7 are trees, all presumably planted as part of the landscaping. All of the plants are either ornamentals or non-native (naturalized species) planted as ornamentals or occurring as weeds (approx. 20 species) mong the ornamentals. No native species were recorded, although a planting of *pōhinahina* (*Vitex rotundifolia* L.) was noted just outside the survey area (close to one of the buildings). *Pōhinahina* is an indigenous species widely used in ornamental plantings.

Discussion

Since no native plant species are present within the project area, no issues with respect to rare or listed (threatened or endangered) species exists for this project (only native endemic species would be listed as endangered if exceedingly rare; USFWS, 2016; HDLNR, 1998). Depending upon placement of the library building and the proposed new fire access road, several of the larger trees on the campus may need to be removed. If the fire access road is included as part of the Proposed Action trees likely to be removed include a Cook pine, an African tulip tree, and one of several lemon-scented gums present. These trees constitute a visual amenity along the southeast side of the campus, but can be replaced with new plantings following buildout of the roadway and library.

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Appendix D
Assessment of Trees Scheduled for Removal

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Noelani Elementary School Library Building
Assessment of Trees Scheduled for Removal

Inspection Date: 4/10/2019

Tree No.	Species (Common Name)	Diameter Breast Height (inches)	Height (feet)	Crown Spread	Health Condition	Structural Condition	Estimated Age	Comments
5	Lemon-scented gum	17	45	30	Fair	Poor	40+	Suppressed. Numerous wounds, bark tears, gummosis. Crown is sparse. Not a good candidate for retention.
21	Fern tree	20	40	60	Good	Fair	40+	Low primary scaffold pruning stub with decay. Too mature for relocation. New sidewalk as designed goes through the trunk of this tree.
22	African tulip	20	30	35	Fair	Fair	20	Appears to be a weedy volunteer descended from other trees on campus. Significant injuries to buttress roots.
23	Cook pine	23	75	30	Good	Fair	25	Likely an unauthorized planting of a former Christmas tree. Excessively crown raised (~20' clear trunk). This increases the risk of failure under wind loading. Decay in buttress roots. Level 3 invasive testing not conducted.
24	Lemon-scented gum	11	45	20	Fair	Fair	20	Significantly smaller than the other trees in the grove. Either a much younger tree than the others in the area or it has structural issues impairing growth that aren't visually apparent. Resonance tested acceptable. Level 3 invasive testing not conducted.
25	Lemon-scented gum	16	60	40	Good	Good	40+	Resonance tested acceptable. Level 3 invasive testing not conducted.

Noelani Elementary School Library Building
Assessment of Trees Scheduled for Removal

Inspection Date: 4/10/2019

Tree No.	Species (Common Name)	Diameter Breast Height (inches)	Height (feet)	Crown Spread	Health Condition	Structural Condition	Estimated Age	Comments
26	Lemon-scented gum	16	55	25	Good	Poor	40+	Dead area lower trunk/root flare on the side opposite of the lean. Resonance testing indicated decayed/hollow. Leaning toward neighbor's home.
27	African tulip	46" at 2.1' above grade	40	35	Fair	Fair	50+	Dieback in crown. Primary scaffold branches resonance tested hollow. Significant wounds around root flare. Cavities.
28	Lemon-scented gum	17	65	40	Fair	Good	40+	Crown sparse. Some dieback. Resonance tested acceptable. Level 3 invasive testing not conducted.
29	Cook pine	10	30	15	Good	Good	10-15	Likely an unauthorized planting of a former Christmas tree. Gummosis on trunk, possibly from crown raising pruning wounds. Resonance tested acceptable. Level 3 invasive testing not conducted.
30	African tulip	20	55	40	Fair	Fair	40+	Crown dieback. Numerous root flare injuries. 9' from sewer manhole.

Notes:

1) Noelani Elementary School opened in 1962. The fern tree, some African tulips, and some lemon-scented gum trees may be from the original landscaping at the site. Original plans are not available from the admin office.

2) Lemon-scented gum trees and Cook pines are species that may appear healthy and structurally sound but have extensive decay/cavities that cannot be detected without Level 3 invasive testing methods.

Noelani Elementary School Library Building
Tree Protection Plan Photos
Carol Kwan Consulting LLC
February 15, 2019
(Revised April 11, 2019 – added Figures 10-32 for Tree Removals)

Figure 1
Tree 1 – African tulip *(Spathodea campanulata)*

Figure 2
Trees 2-4 – African tulip

Figure 3
Tree 5 – Lemon-scented gum *(Corymbia citriodora).* This tree is in decline and is not likely to survive construction injury. I recommend that it be removed rather than protected. The crown is smaller than normal and sparse. It has excessive gummosis and several areas of impaired bark on its trunk and branches.

Figure 4
Tree 5 – Gummosis, impaired bark

Figure 5
Trees 6 & 7 – Golden trumpet tree *(Tabebuia chrysantha)*

Figure 6
Tree 8 (center) – Fern tree *(Filicium decipiens)*

Figure 7
Trees 9-12 – Gold trees *(Tabebuia donnell-smithii)*

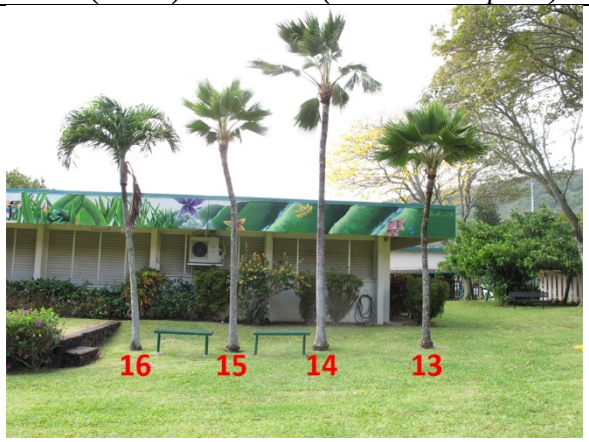

Figure 8
Trees 13-15 – Thurston's palm *(Pritchardia thurstonii)*
Tree 16 – Manila palm *(Veitchia merrillii)*

Figure 9
Tree 17 – Manila palm
Trees 18-20 – Thurston's palm

Figure 10
Tree 21 – Fern tree

Figure 11
Tree 21 – Stub of low primary branch removed some years ago

Figure 12
Tree 22 – African tulip

Figure 13
Tree 22 – Root flare wounds

Figure 14
Tree 22 – Root flare wounds

Figure 15
Tree 22 – Root flare wounds

Figure 16
Tree 23 – Cook pine

Figure 17
Tree 23 – Buttress root wound with decay

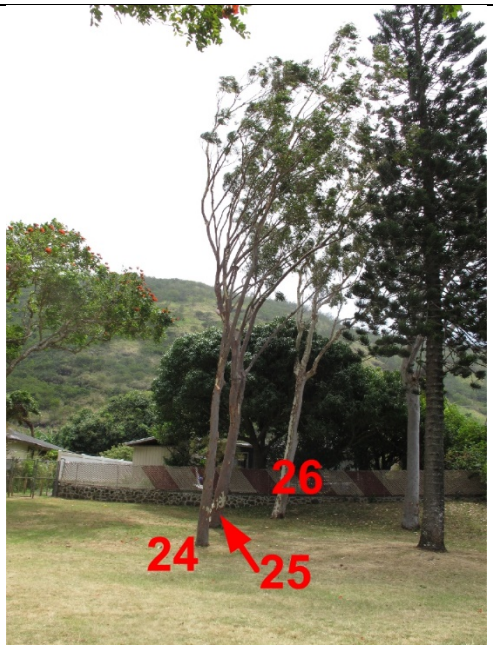

Figure 18
Trees 24, 25, & 26 – Lemon-scented gum

Figure 19
Tree 25 – Lower trunk wound

Figure 20
Tree 26 – Dead area lower trunk/root flare on the side opposite the direction of lean. Sounded decayed/hollow with resonance testing.

Figure 21
Tree 27 – African tulip

Figure 22
Tree 27 – Cavities at old pruning wounds

Figure 23
Tree 27 – Primary scaffold branches tested hollow. Epiphyte (plant growing on another plant) growing in a cavity on the primary scaffold branch (in upper V crotch)

Figure 24
Tree 27 – Root flare wounds

Figure 25
Tree 27 – Root flare wounds

Figure 26
Tree 27 – Root flare wounds

Figure 27
Tree 28 – Lemon-scented gum

Figure 28
Tree 29 – Cook pine

Figure 29
Tree 30 (center) – African tulip

Figure 30
Tree 30 – Root flare wounds

Figure 31
Tree 30 – Root flare wounds

Figure 32
Tree 30 – Root flare wounds

Appendix E
Traffic Engineering Consultation

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Julian Ng Incorporated
Transportation Engineering Consultant
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Kaneohe, Hawaii 96744-0816

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November 20, 2017

Mr. Derek Yasaka, President
WCP, Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701

Attention: Mr. Richard Stook

Subject: Traffic Engineering Consultation for Environmental Assessment of Proposed Library Building at Noelani Elementary School Honolulu, Hawaii [TMK 2-9-023:029]

Gentlemen:

Pursuant to our agreement for professional services, we have provided for your use text material for inclusion in an environmental assessment that your office is preparing for the subject project. The material is documented in this letter along with a copy of traffic count data received from the City and County of Honolulu, Department of Transportation Services.

The material we prepared includes a description of existing conditions and an estimate of the project impact to traffic. While the project itself should result in no increase in site-generated traffic based on the project being not expected to affect enrollment or staffing at the school, we recognize that floor area is sometimes used as an indicator of traffic generation and have made estimates of potential increase in traffic based on the additional floor area provided by the project.

Exisiting Traffic Conditions near Noelani Elementary School: Noelani Elementary School is located in Manoa Valley, a residential neighborhood east of downtown Honolulu. Its campus fronts on Woodlawn Drive, a four-lane local street with on-street parking and one lane of traffic in each direction; along its frontage to the west, the street name changes to Kolowalu Street. The campus includes a primary parking lot that is served by two driveways onto Woodlawn Drive; additional parking is provided on adjacent paved lots that also connect to Woodlawn Drive via a separate driveway.

To the west, Kolowalu Street intersects with East Manoa Road, a collector street serving the east half of Manoa Valley, as the stem of a signalized "T"-intersection. Single family homes front on Kolowalu Street; offices affiliated with the University of Hawaii and a public library are located across the street from the school. To the east, land uses abutting Woodlawn Drive include additional university offices and housing, and a secondary access to the parking lot serving Manoa Marketplace, a neighborhood shopping center.

While no traffic counts were taken specifically for this project, the Department of Transportation Services (DTS) of the City and County of Honolulu provided traffic count data for Woodlawn Drive, from a recent 24-hour count (9:00 AM Wednesday, June 28, 2017 to 9:00 AM Thursday, June 29, 2017). The count showed a 24-hour total volume of 8,854 vehicles per day, with the highest hourly volume (761 vehicles per hour) occurring in the

afternoon (4:45 PM to 5:45 PM). The counts were taken at a location between the school and the public library located to the east.

The DTS counts were taken while Noelani Elementary School was not in regular session. An elementary school with 450 students is estimated to generate 580 vehicle trips per day; other traffic estimates are shown in Table 1 below.

Table 1 – Estimate of Site Traffic
(based on enrollment)

	Trip rate per student*	Distribution (into site)*	Vehicles entering	Vehicles exiting
Average Weekday	1.29	50%	290	290
AM Peak Hour	0.45	55%	111	91
PM Peak Hour	0.15	49%	33	34
PM Peak Hour of Site	0.28	45%	57	69

* - rates from Institute of Transportation Engineers, *Trip Generation Manual, 9th Edition* (2012).

If the site traffic is assumed to split 75%/25% in opposite directions on Woodlawn Drive, daily traffic on the street would be 10,600 vehicles per day with school in session. Morning peak hour traffic is estimated to be 640 vehicles per hour between 7:30 AM and 8:30 AM, while the afternoon peak hour traffic would be 780 vehicles per hour between 4:45 PM and 5:45 PM. A smaller peak would occur near the end of the school day (680 vehicles per hour between 2:00 PM and 3:00 PM).

Potential Impact of Proposed Project: The proposed project is a new 7,500 square foot library building that will replace an existing library. The project will not directly affect the size of the school (employment or number of students) so it should have no effect on traffic. The old library, however, will not be demolished as part of the project. A potential increase in traffic could be a result with reuse of the facility. Table 2 shows estimates of the potential increases in traffic generated by the project.

Table 2 – Potential Increase in Site Traffic
(based on increase in floor area)

	Trip rate per 1,000 SF*	Distribution (into site)*	Vehicles entering	Vehicles exiting
Average Weekday	15.43	50%	58	58
AM Peak Hour	5.20	56%	22	17
PM Peak Hour	1.21	45%	4	5
PM Peak Hour of Site	3.11	44%	10	13

* - rates from Institute of Transportation Engineers, *Trip Generation Manual, 9th Edition* (2012).

The potential impact to traffic would be an increase of approximately 1% in daily volume on Woodlawn Drive. Increases in peak hour traffic volumes would be 5% in the AM Peak Hour, 1% in the PM Peak Hour, and 3% in the hour near the end of the school day. Highest volumes would continue to occur in the PM Peak Hour.

Conclusion: The project is not expected to increase site-generated traffic or affect traffic conditions. An evaluation that assumed reuse of the old library space was found to have minor increase in traffic, which should not affect traffic conditions. The potential increases in traffic in this evaluation were considerably lower than the thresholds recommended by the Institute of Transportation Engineers in its 2005 publication *Transportation Impact Analyses for Site Development* (that "a transportation impact study be conducted whenever a proposed development will generate 100 or more added trips" during the peak hour).

Should you have any questions, please contact me as indicated above.

Sincerely,

JULIAN NG INCORPORATED

Julian Ng, P.E., P.T.O.E.
President

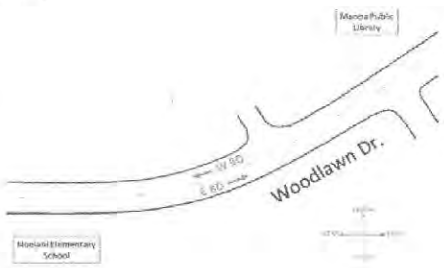
Attachment (1 sheet: DTS Traffic Volume Counts)

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU
TRAFFIC VOLUME COUNTS

AM	E BD		W BD		PM	E BD		W BD	
09:00	81		65		09:00	40		17	
09:15	84		64		09:15	45		32	
09:30	75		75		09:30	26		21	
09:45	76	316	71	275	09:45	22	133	18	88
10:00	69		74		10:00	25		24	
10:15	62		64		10:15	27		27	
10:30	63		64		10:30	18		18	
10:45	71	265	61	263	10:45	19	89	10	79
11:00	73		82		11:00	16		7	
11:15	76		61		11:15	18		5	
11:30	75		85		11:30	13		5	
11:45	84	308	81	309	11:45	6	53	8	25
PM	SUBTOTAL	889		847	AM	SUBTOTAL	275		192
12:00	72		57		12:00	4		1	
12:15	81		77		12:15	6		4	
12:30	91		70		12:30	6		3	
12:45	83	327	78	282	12:45	1	17	0	8
01:00	83		94		01:00	6		0	
01:15	62		61		01:15	3		2	
01:30	74		63		01:30	4		1	
01:45	56	275	70	288	01:45	6	19	2	5
02:00	73		68		02:00	4		0	
02:15	78		84		02:15	3		0	
02:30	64		74		02:30	1		3	
02:45	87	302	72	298	02:45	0	8	3	6
SUBTOTAL		904		868	SUBTOTAL		44		19
03:00	69		69		03:00	0		0	
03:15	100		73		03:15	1		0	
03:30	79		67		03:30	1		2	
03:45	88	336	78	287	03:45	2	4	2	4
04:00	91		67		04:00	2		4	
04:15	90		80		04:15	2		3	
04:30	95		83		04:30	6		4	
04:45	101	377	94	324	04:45	4	14	5	16
05:00	112		65		05:00	4		13	
05:15	111		69		05:15	5		14	
05:30	124		85		05:30	5		18	
05:45	94	441	79	298	05:45	3	17	23	68
SUBTOTAL		1,154		909	SUBTOTAL		35		88
06:00	99		81		06:00	12		25	
06:15	95		85		06:15	15		30	
06:30	90		68		06:30	25		26	
06:45	69	353	74	308	06:45	27	79	33	114
07:00	82		60		07:00	35		43	
07:15	67		61		07:15	37		56	
07:30	61		55		07:30	43		62	
07:45	43	253	35	211	07:45	66	181	96	257
08:00	47		46		08:00	69		63	
08:15	48		38		08:15	85		63	
08:30	55		27		08:30	62		52	
08:45	38	188	25	136	08:45	84	300	72	250
SUBTOTAL		794		655	SUBTOTAL		560		621
12-HR TOTAL		3,741		3,279	12-HR TOTAL		914		920
					24-HR TOTAL		4,655		4,199

REF #: 73-17 DA (D-2) Speed Study

LOCATION : Woodlawn Dr. btwn. Noelani Elementary School & Manoa Library
DIRECTION : E BD
: W BD
METER # : 25826
DATE : Wed 06/28/17 to Thu 06/29/17



Appendix F
Chapter 6E-8 Historic Preservation Review

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

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

September 28, 2017

IN REPLY REFER TO:
Log No.: 2017.02048
Doc. No.: 1709KM14
Archaeology, Architecture

Duane Kashiwai, Public Works Administrator
Facilities Development Branch
Department of Education
P.O. Box 2360
Honolulu, HI 96804

Dear Mr. Kashiwai:

SUBJECT: **Chapter 6E-8 Historic Preservation Review –**
Request for Historic Properties Determination
Noelani Elementary School Library Building
Waikīkī Ahupua'a, Honolulu (Kona) District, Island of O'ahu
TMK: (1) 2-9-023:023 por.

Thank you for the request for determination for the proposed Noelani Elementary School library building project. The Noelani Elementary School is located at 2655 Woodlawn Drive within Mānoa Valley. The school is owned by the State of Hawai'i and the project proponent is the Department of Education (DOE). The overall school campus totals 8.57 acres but the proposed project involves a roughly 0.17-acre portion of the campus. The State Historic Preservation Division (SHPD) received this submittal on September 18, 2017.

The DOE is proposing constructing a new library building on the Noelani Elementary School campus. The library will be a roughly 5,035 sq. ft. single-story building constructed within the campus's central lawn. The gross area of the new library will total closer to 7,500 sq. ft. including pedestrian and walkway areas. Additionally, a 200 ft. fire sprinkler water line will be installed and extend from the new library to connect with an existing water main on Woodlawn Drive. Ground disturbance will be limited to excavations for the sprinkler line, and building foundations and utilities.

Review of our records indicates that no archaeological survey has been completed for the Noelani Elementary School. However, an archaeological literature review and field inspection (LRFI) was prepared for the school playcourt project (Hammatt and Shideler, 2010). The LRFI indicated that no historic properties were present within the campus and few historic properties were within the vicinity of the campus. The LRFI indicates archaeological potential was low within the Makiki Stony Clay Loam (MIA) soils but recommended a program of archaeological monitoring for the proposed playcourt project. The LRFI also notes that the Noelani Elementary School was possibly constructed in the early-mid 1960s. The school itself may be over 50 years old and a possible historic property.

Based on the above information, the **SHPD has insufficient information for providing a determination** for the proposed project. **SHPD requests the following items:**

1) Archaeological monitoring be conducted for the proposed project. SHPD requests archaeological monitoring be conducted for the proposed project to adequately identify archaeological historic properties, determine potential impacts to them, and ensure that appropriate mitigation is implemented.

Prior to project work commencing, **the SHPD looks forward to receiving the following:**

1) An archaeological monitoring plan meeting the requirements of HAR §13-279-4. Per Hawaii Administrative Rules (HAR) §13-279-3, archaeological monitoring may be utilized as an identification, mitigation, or post-mitigation contingency measure. Archaeological monitoring shall adequately identify and document any archaeological historic properties, assess their significance, provide a project effect recommendation, and provide appropriate mitigation recommendations.
2) The complete 6E submittal packet which includes the 6E submittal form, building permit application, permit set, plans, photographs, architecture background information for all buildings on campus (year built date, architect, materials used, number of floors), and campus development history.

For a list of permitted archaeological firms, see http://dlnr.hawaii.gov/shpd/about/branches/archaeology/.

Please contact Kimi Matsushima at (808) 692-8027 or at Kimi.R.Matsushima@hawaii.gov for questions regarding archaeological resources or Ms. Tanya Gumapac-McGuire, Architectural Historian, at (808) 692-8022 or at Tanya.Gumapac-Mcguire@hawaii.gov regarding architectural resources or this letter.

Aloha,

Susan A. Lebo

Susan A. Lebo, PhD
Archaeology Branch Chief

cc: Mitch Tamayori, DOE (mitch_tamayori@notes.k12.hi.us)
Lorrin Matsunaga, Urban Works, Inc. (LMatsunaga@UWArchitects.com)

Appendix G
Early Consultation Comments

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Noelani Elementary School New IDEA Center EA
Early Consultation Distribution List

Consulted Party	Individual	Title	Mailing Address	Response Date
State Agencies				
Department of Health Environmental Planning Office	Laura Leialoha Phillips McIntyre, AICP	Program Manager	PO Box 3378 Honolulu, HI 96801-3378	11/16/17
Department of Land and Natural Resources	Suzanne Case	Chairperson	PO Box 621 Honolulu, HI 96809	11/15/17
Department of Transportation	Ford Fuchigami	Director	869 Punchbowl St. Honolulu, HI 96813-5097	11/28/17
Office of Planning	Leo R. Asuncion, Jr., AICP	Director	235 South Beretania St., 6th Floor Honolulu, HI 96813	No Response
Office of Planning Coastal Zone Management Program	Leo R. Asuncion, Jr., AICP	Director	PO Box 2359 Honolulu, HI 96804-2359	No Response
State Historic Preservation Division	Susan Lebo	Archaeology Branch Chief	601 Kamokila Blvd., Room 555 Kapolei, HI 96707	No Response
University of Hawaii at Manoa	David Lassner	President	2500 Campus Rd. Honolulu, HI 96822	05/13/19
County Agencies				
Department of Facility Maintenance	Ross S. Sasamura, P.E.	Director	1000 Uluohia St., Suite 215 Kapolei, HI 96707	11/07/17
Department of Parks and Recreation Division of Urban Forestry	Michele K. Nekota	Director	1000 Uluohia St., Suite 309 Kapolei, HI 96707	05/08/19 05/14/19
Department of Planning and Permitting	Kathy Sokugawa	Acting Director	650 South King St., 7th Floor Honolulu, HI 96813	11/09/17
Department of Transportation Services	Wes Frysztacki	Director	650 South King St., 7th Floor Honolulu, HI 96813	No Response
Honolulu Board of Water Supply	Ernest Y. W. Lau, P.E.	Manager and Chief Engineer	630 South Beretania St. Honolulu, HI 96843	11/20/17
Honolulu Fire Department	Socrates D. Bratakos	Assistant Chief	636 South St. Honolulu, HI 96813	11/17/17
Honolulu Police Department	Cary Okimoto	Acting Chief	801 South Beretania St. Honolulu, HI 96813	11/06/17
Organizations				
Malama Manoa	Thalya DeMott	President	PO Box 61961 Honolulu, HI 96839	05/08/19
Neighborhood Board No. 7	Benjamin Rotter	Chairperson	925 Dillingham Blvd, Suite 160 Honolulu, HI 96817	05/03/19
Noelani Elementary School Parent-Teacher Association	Cisco Conte	President	2655 Woodlawn Dr. Honolulu, HI 96822	No Response
The Outdoor Circle, Manoa Branch	Jeremy Lam	President	1341 South King St., Suite 306 Honolulu, HI 96814	05/08/19
Electred Officials				
Hawaii State Legislature	Della A. Bellati	Representative	415 South Beretania St., Room 439 Honolulu, HI 96813	No Response
Hawaii State Legislature	Brian T. Taniguchi	Senator	415 South Beretania St., Room 219 Honolulu, HI 96813	No Response
Honolulu City Council	Ann Kobayashi	Councilmember	530 South King St., 3rd Floor Honolulu, HI 96813	No Response

Noelani Elementary School New IDEA Center EA
Early Consultation Distribution List

Consulted Party	Individual	Title	Mailing Address	Response Date
Noelani Elementary School Neighbors				
Resident			2835 Kolowalu St. Honolulu, HI 96822	No Response
Resident			2642 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2660 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2666 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2672 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2678 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2684 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2690 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2696 Pamoa Rd. Honolulu, HI 96822	No Response
Resident			2708 Hipawai Pl. Honolulu, HI 96822	05/11/19
Resident			2714 Hipawai Pl. Honolulu, HI 96822	No Response
Resident			2718 Hipawai Pl. Honolulu, HI 96822	No Response
Resident			2730 Hipawai Pl. Honolulu, HI 96822	No Response
Resident			2738 Hipawai Pl. Honolulu, HI 96822	No Response
Resident			2742 Hipawai Pl. Honolulu, HI 96822	05/23/19
Resident			1672 Ulupii St. Kailua, HI 96734	No Response

DAVID Y. IGE
GOVERNOR OF HAWAII

VIRGINIA PRESSLER, M.D.
DIRECTOR OF HEALTH

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

In reply, please refer to:
File:

EPO 17-276

November 16, 2017

Mr. Richard Stook
Environmental Planner
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701-5626
Email: rstook@wcphawaii.com

Dear Mr. Stook:

SUBJECT: Early Consultation (EC) for New Library at Noelani Elementary School, Manoa, Hawaii
TMK: (1) 2-9-023: 023

The Department of Health (DOH), Environmental Planning Office (EPO), acknowledges receipt of your EC to our office on October 30, 2017.

We understand from the EC that *"The proposed project involves the construction of a new library building at the Noelani Elementary School (NES) campus to better meet the needs of the NES students."*

Hawaii's environmental review laws require Environmental Assessments (EAs) and Environmental Impact Statements (EISs) to consider health in the discussion and the mitigation measures to reduce negative impacts. In its definition of 'impacts,' §11-200-2, Hawaii Administrative Rules (HAR) includes health effects, whether primary (direct), secondary (indirect), or cumulative. Further, §11-200-12(b)(5), HAR, lists public health as one of the criteria for determining whether an action may have a significant impact on the environment.

In the development and implementation of all projects, EPO strongly recommends regular review of State and Federal environmental health land use guidance. State standard comments to support sustainable healthy design are provided at: http://health.hawaii.gov/epo/landuse. Projects are required to adhere to all applicable standard comments.

We suggest you review the requirements of the Clean Water Branch (Hawaii Administrative Rules {HAR}, Chapter 11-54-1.1, -3, 4-8) and/or the National Pollutant Discharge Elimination System (NPDES) permit (HAR, Chapter 11-55) at: http://health.hawaii.gov/cwb. If you have any questions, please contact the Clean Water Branch (CWB), Engineering Section at (808) 586-4309 or cleanwaterbranch@doh.hawaii.gov. If your project involves waters of the U.S., it is highly recommended that you contact the Army Corps of Engineers, Regulatory Branch at: (808) 835-4303.

If temporary fugitive dust emissions could be emitted when the project site is prepared for construction and/or when construction activities occur, we recommend you review the need and/or requirements for a Clean Air Branch (CAB) permit (HAR, Chapter 11-60.1 "Air Pollution Control"). Effective air pollution control measures need to be provided to prevent or minimize any fugitive dust emissions caused by construction work from affecting the surrounding areas. This includes the off-site roadways used to enter/exit the project. The control measures could include, but are not limited to, the use of water wagons, sprinkler systems, and dust fences. For questions contact the Clean Air Branch via e-mail at: Cab.General@doh.hawaii.gov or call (808) 586-4200.

Any waste generated by the project (that is not a hazardous waste as defined in state hazardous waste laws and regulations), needs to be disposed of at a solid waste management facility that complies with the applicable provisions (HAR, Chapter 11-58.1 "Solid Waste Management Control"). The open burning of any of these wastes, on or off site, is strictly prohibited. You may wish you review the Minimizing Construction & Demolition Waste Management Guide at: http://health.hawaii.gov/shwb/files/2016/05/constdem16.pdf Additional information is accessible at: http://health.hawaii.gov/shwb. For specific questions call (808) 586-4226.

If noise created during the construction phase of the project may exceed the maximum allowable levels (HAR, Chapter 11-46, "Community Noise Control") then a noise permit may be required and needs to be obtained before the commencement of work. Relevant information is online at: http://health.hawaii.gov/irhb/noise EPO recommends you contact the Indoor and Radiological Health Branch (IRHB) at (808) 586-4700 with any specific questions.

EPO also encourages you to examine and utilize the Hawaii Environmental Health Portal at: https://eha-cloud.doh.hawaii.gov. This site provides links to our e-Permitting Portal, Environmental Health Warehouse, Groundwater Contamination Viewer, Hawaii Emergency Response Exchange, Hawaii State and Local Emission Inventory System, Water Pollution Control Viewer, Water Quality Data, Warnings, Advisories and Postings.

The Hawaii Disability and Communication Access Board (DCAB) recommends the inclusion of access for persons with disabilities through all phases of design and construction. New construction and alteration work shall comply with all applicable accessibility requirements. Projects covered by §103-50, Hawaii Revised Statutes, and Hawaii Administrative Rules Title 11 Chapter 216 shall seek advice and recommendations from DCAB on any construction plans prior to commencing with construction. If you have any questions please contact DCAB at (808) 586-8121 or dcab@doh.hawaii.gov.

To better protect public health and the environment, the U.S. Environmental Protection Agency (EPA) has developed an environmental justice (EJ) mapping and screening tool called EJSCREEN. It is based on nationally consistent data and combines environmental and demographic indicators in maps and reports. EPO encourages you to explore, launch and utilize this powerful tool in planning your project. The EPA EJSCREEN tool is available at: http://www.epa.gov/ejscreen.

We hope this information is helpful. If you have any questions please contact us at DOH.epo@doh.hawaii.gov or call us at (808) 586-4337. Thank you for the opportunity to comment.

Mahalo nui loa,

Laura Leialoha Phillips McIntyre, AICP
Environmental Planning Office

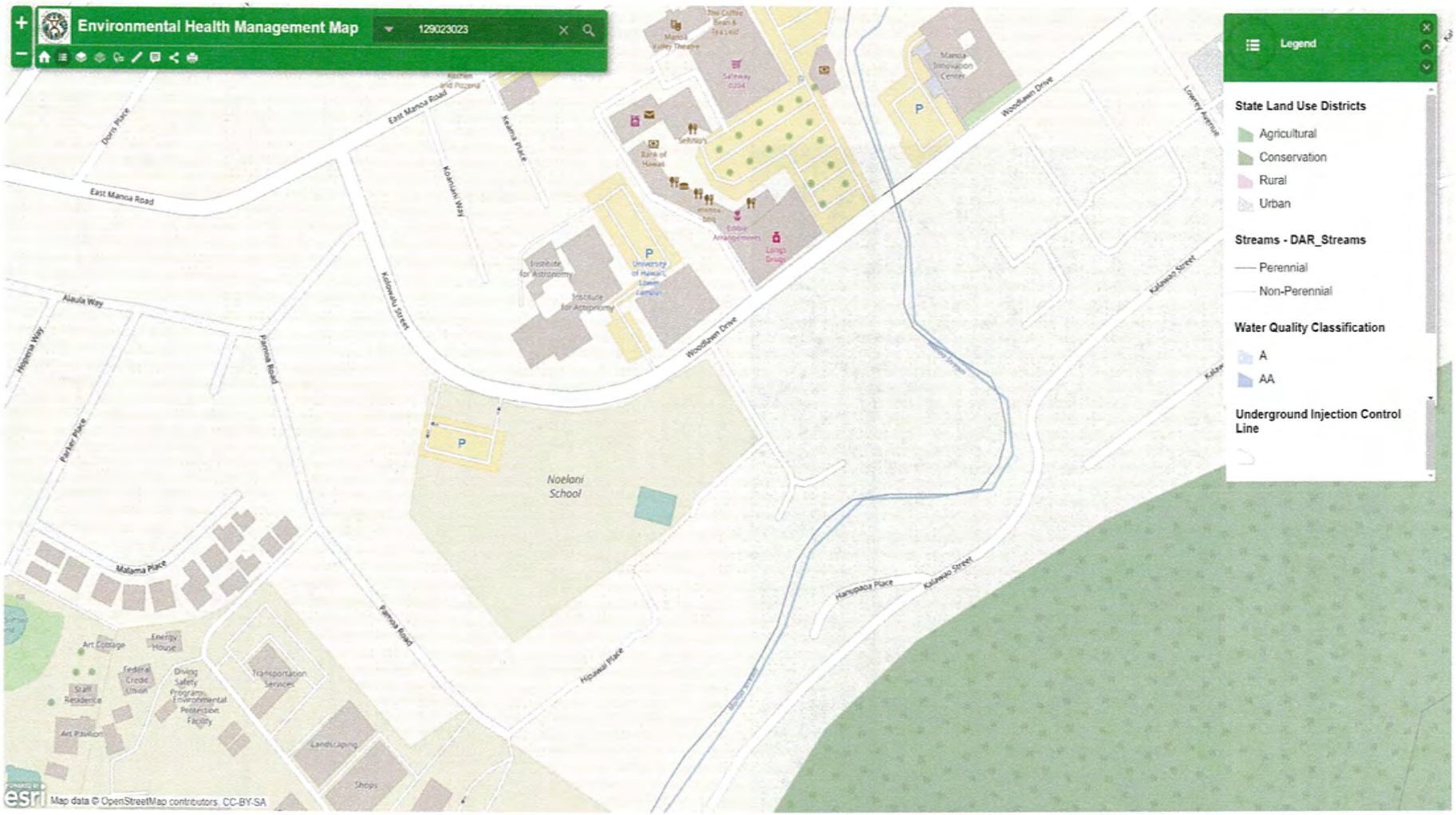
LM:nn

c: DOH: CWB, CAB, IRHB{via email only}

Attachment 1: Environmental Health Management Web App Snipit of Project Area: http://health.hawaii.gov/epo/egis
Attachment 2: U.S. EPA EJSCREEN Report for Project Area

Please be advised:
The Environmental Planning Office (EPO), along with the Clean Air, Clean Water, and Wastewater Branches will be moving in November 2017. The new address, for EPO, **as of December 1, 2017**, will be:
Environmental Planning Office, DOH, Hale Ola, 2827 Waimano Home Road #109, Pearl City, Hawaii 96782
Please feel free to come and visit our new offices anytime. Please note that there is a security guard at the bottom of the hill (before entering DOH property). Our office phone numbers, email and website will all remain the same.

Attachment 1: Environmental Health Management Web App Snipit of Project Area: http://health.hawaii.gov/epo/egis



Attachment 2: U.S. EPA EJSCREEN Report for Project Area

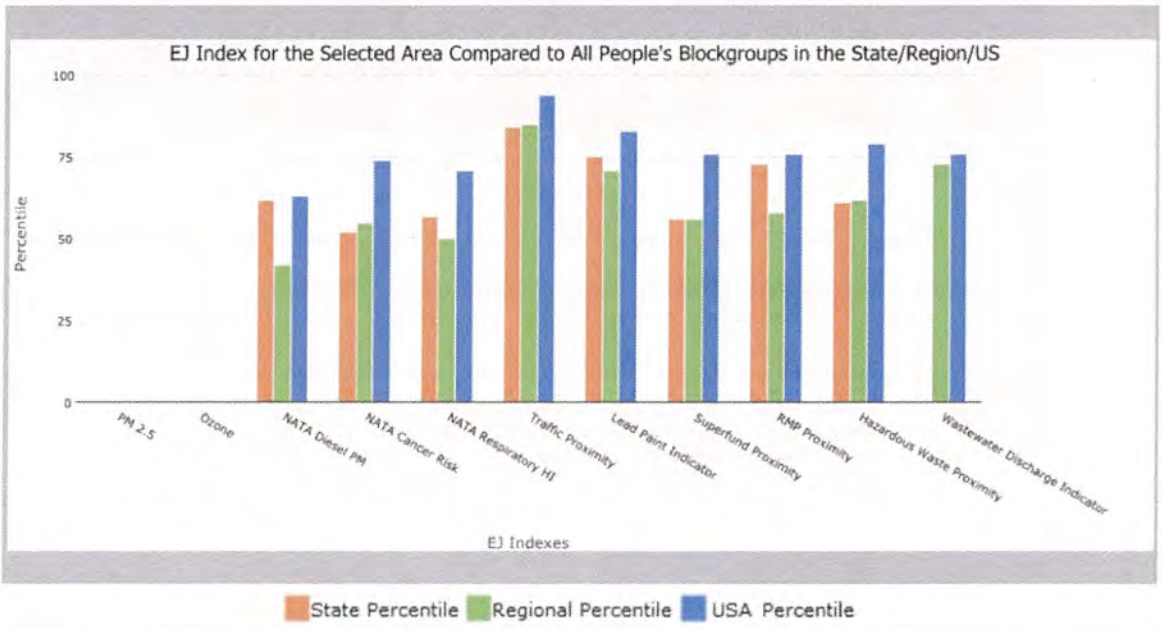
EJSCREEN Report (Version 2017)

1 mile Ring Centered at 21.305595,-157.811279, HAWAII, EPA Region 9

Approximate Population: 19,215

Input Area (sq. miles): 3.14

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	62	42	63
EJ Index for NATA* Air Toxics Cancer Risk	52	55	74
EJ Index for NATA* Respiratory Hazard Index	57	50	71
EJ Index for Traffic Proximity and Volume	84	85	94
EJ Index for Lead Paint Indicator	75	71	83
EJ Index for Superfund Proximity	56	56	76
EJ Index for RMP Proximity	73	58	76
EJ Index for Hazardous Waste Proximity	61	62	79
EJ Index for Wastewater Discharge Indicator	N/A	73	76



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

EJSCREEN Report (Version 2017)

1 mile Ring Centered at 21.305595,-157.811279, HAWAII, EPA Region 9

Approximate Population: 19,215
Input Area (sq. miles): 3.14

Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJSCREEN Report (Version 2017)

1 mile Ring Centered at 21.305595,-157.811279, HAWAII, EPA Region 9

Approximate Population: 19,215

Input Area (sq. miles): 3.14

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m³)	N/A	N/A	N/A	9.9	N/A	9.14	N/A
Ozone (ppb)	N/A	N/A	N/A	41.8	N/A	38.4	N/A
NATA* Diesel PM (µg/m³)	0.0961	0.149	53	0.978	<50th	0.938	<50th
NATA* Cancer Risk (lifetime risk per million)	33	34	55	43	<50th	40	<50th
NATA* Respiratory Hazard Index	0.97	1	56	2	<50th	1.8	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	930	1000	76	1100	70	590	86
Lead Paint Indicator (% Pre-1960 Housing)	0.5	0.16	91	0.24	78	0.29	76
Superfund Proximity (site count/km distance)	0.05	0.1	44	0.15	36	0.13	42
RMP Proximity (facility count/km distance)	0.36	0.39	71	0.98	44	0.73	54
Hazardous Waste Proximity (facility count/km distance)	0.069	0.1	57	0.12	52	0.093	60
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0	0.04	N/A	13	59	30	40
Demographic Indicators							
Demographic Index	50%	51%	43	47%	55	36%	73
Minority Population	73%	77%	33	59%	63	38%	81
Low Income Population	17%	26%	34	36%	23	34%	24
Linguistically Isolated Population	3%	6%	52	9%	37	5%	65
Population With Less Than High School Education	4%	9%	27	17%	18	13%	20
Population Under 5 years of age	4%	6%	27	7%	27	6%	29
Population over 64 years of age	17%	16%	58	13%	76	14%	70

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

WCP Inc.

November 20, 2017

Laura Leialoha Phillips McIntyre, Program Manager
State of Hawaii
Department of Health - Environmental Planning Office
Post Office Box 3378
Honolulu, HI 96801

Dear Ms. Phillips McIntyre:

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:029.

Thank you for your letter dated November 16, 2017 providing comments on the subject project. We acknowledge that the Environmental Planning Office (EPO) recommends the review of online resources available through the EPO and the Hawaii Environmental Health Portal websites, as well as the websites of Department of Health Clean Water Branch, Office of Environmental Quality Control, and the U.S. Environmental Protection Agency, in an effort to promote sustainable, innovative, inspirational, transparent, and healthy project design.

Your comments have been noted and will be considered in the preparation of the environmental assessment which will be available for your review when published. Thank you again for your comments, suggestions, and interest in the proposed project and for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

99-061 Koaha Way, Suite 208 ● Aiea, Hawaii 96701 ● Phone 808-380-3848 ● Fax 808-380-3849 ● E-Mail wcp@wcphawaii.com

DAVID Y. IGE
GOVERNOR

JADE T. BUTAY
INTERIM DIRECTOR

Deputy Directors
ROSS M. HIGASHI
EDWIN H. SNIFFEN
DARRELL T. YOUNG

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

IN REPLY REFER TO:
DIR 1374
STP 8.2260

November 28, 2017

Mr. Richard Stook
Environmental Planner
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701

Dear Mr. Stook:

Subject: New Library at the Noelani Elementary School
Early Consultation
Manoa, Oahu, Hawaii
TMK: (1) 2-9-023:029 (Por.)

Department of Transportation's (DOT) comments on the subject project are as follows:

The proposed development is not anticipated to have a significant impact to our State highway facilities.

If there are any questions, please contact Mr. Norren Kato of the DOT Statewide Transportation Planning Office at telephone number (808) 831-7976.

Sincerely,

JADE T. BUTAY
Interim Director of Transportation

WCP Inc.

December 5, 2017

Jade Butay, Interim Director
State of Hawaii
Department of transportation
869 Punchbowl Street
Honolulu, HI 96813

Dear Mr. Butay:

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:029.

We thank you for your comment letter, dated November 28, 2017, regarding the subject project, and we acknowledge the Department of Transportation's comment that "the proposed development is not anticipated to have a significant impact to State Highway facilities".

Please note, that the final environmental assessment will be available for your review when published. Thank you again for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

99-061 Koaha Way, Suite 208 ● Aiea, Hawaii 96701 ● Phone 808-380-3848 ● Fax 808-380-3849 ● E-Mail wcp@wcphawaii.com

DAVID Y. IGE
GOVERNOR OF HAWAII

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

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

November 15, 2017

WCP Inc.
Attention: Mr. Richard Stook; Environmental Planner via email: rstook@wcphawaii.com
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701

Dear Mr. Stook:

SUBJECT: Early Consultation for Proposed New Library at the Noelani Elementary School

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

At this time, enclosed are comments from the (a) Engineering Division and (b) Land Division – Oahu District on the subject matter. Should you have any questions, please feel free to call Lydia Morikawa at 587-0410. Thank you.

Sincerely,

Russell Y. Tsuji
Land Administrator

Enclosure(s)
cc: Central Files

DAVID Y. IGE
GOVERNOR OF HAWAII

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

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

November 1, 2017

MEMORANDUM

TO: **DLNR Agencies:**
__Div. of Aquatic Resources
__Div. of Boating & Ocean Recreation
From: X Engineering Division
__Div. of Forestry & Wildlife
__Div. of State Parks
X Commission on Water Resource Management
__Office of Conservation & Coastal Lands
X Land Division – Oahu District
X Historic Preservation

FROM: Russell Y. Tsuji, Land Administrator
SUBJECT: Early Consultation for Proposed New Library at the Noelani Elementary School
LOCATION: Manoa, Island of Oahu; TMK: (1) 2-9-023:023
APPLICANT: Department of Education

Transmitted for your review and comment is information on the above-referenced project. We would appreciate your comments on this project. Please submit any comments by **November 15, 2017.**

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact Lydia Morikawa at 587-0410. Thank you.

Attachments

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

Signed: _____

Print Name: Carty S. Chang, Chief Engineer
Date: 11/7/17

cc: Central Files

DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

LD/Russell Y. Tsuji
Ref: Early Consultation for Proposed New Library at the Noelani Elementary School, Manoa, Island of Oahu; TMK: (1) 2-9-023:023

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). Be advised that 44CFR reflects the minimum standards as set forth by the NFIP. Local community flood ordinances may stipulate higher standards that can be more restrictive and would take precedence over the minimum NFIP standards.

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

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

- Oahu: City and County of Honolulu, Department of Planning and Permitting (808) 768-8098.
- Hawaii Island: County of Hawaii, Department of Public Works (808) 961-8327.
- Maui/Molokai/Lanai County of Maui, Department of Planning (808) 270-7253.
- Kauai: County of Kauai, Department of Public Works (808) 241-4846.

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

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

Signed: _____
CARTY S. CHANG, CHIEF ENGINEER

Date: 11/7/17

DAVID Y. IGE
GOVERNOR OF HAWAII

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

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
LAND DIVISION

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

November 1, 2017

MEMORANDUM

TO: **DLNR Agencies:**
___Div. of Aquatic Resources
___Div. of Boating & Ocean Recreation
_X_ Engineering Division
___Div. of Forestry & Wildlife
___Div. of State Parks
_X_ Commission on Water Resource Management
___Office of Conservation & Coastal Lands
_X_ Land Division – Oahu District
_X_ Historic Preservation

FROM: Russell Y. Tsuji, Land Administrator
SUBJECT: Early Consultation for Proposed New Library at the Noelani Elementary School
LOCATION: Manoa, Island of Oahu; TMK: (1) 2-9-023:023
APPLICANT: Department of Education

Transmitted for your review and comment is information on the above-referenced project. We would appreciate your comments on this project. Please submit any comments by **November 15, 2017**.

If no response is received by this date, we will assume your agency has no comments. If you have any questions about this request, please contact Lydia Morikawa at 587-0410. Thank you.

Attachments

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

Signed: Darlene Bryant-Takamatsu

Print Name: Darlene Bryant-Takamatsu

Date: 11/3/17

cc: Central Files

WCP Inc.

November 20, 2017

Russell Tsuji, Land Administrator
State of Hawaii
Department of Land and Natural Resources - Land Division
Post Office Box 621
Honolulu, HI 96809

Dear Mr. Tsuji:

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:029.

Thank you for your letter dated November 15, 2017 in which you indicated the Land Division had distributed or made available the subject early consultation request to other DLNR divisions for their review and comment. We acknowledge that the Land Division has no comments at this time. Comments were received from DLNR's Engineering Division, and are summarized below.

- 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 designated Flood Hazard.
- The owner of the property and/or their representative is responsible to research the Flood Hazard Zone for the project.
- The NFIP Zone X is a designation where there is no perceived flood impact. Therefore, the NFIP does not regulate any development within a Zone X designation..
- 44CFR reflects the minimum standards as set forth by the NFIP. Local community flood ordinances may take precedence over the NFIP standards as local designations prove to be more restrictive.
- Applicant should include water demands and infrastructure required to meet project needs.

The above comments have been noted and will be considered in the preparation of the draft environmental assessment which will be available for your review when published. In the meantime, thank you again for your comments, suggestions, and interest in the proposed project and for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

POLICE DEPARTMENT

CITY AND COUNTY OF HONOLULU

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

KIRK CALDWELL
MAYOR

Susan Ballard
CHIEF

(vacant)
(vacant)
DEPUTY CHIEFS

OUR REFERENCE MT-DK

November 6, 2017

Mr. Richard Stook
Environmental Planner
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701-5626

Dear Mr. Stook:

This is in response to your letter of October 27, 2017, requesting comments on an Early Consultation, Draft Environmental Assessment, for the new library at Noelani Elementary School.

The Honolulu Police Department has reviewed this project and has concerns regarding construction debris, noise disturbances, and the traffic flow.

Precautionary measures should be taken to prevent the possibility of having any construction site debris (i.e., dust, soil, rocks, etc.) reach the roadways and cause a hindrance for motorists and pedestrians. The contractor should also take into consideration the disturbance of construction noise coming from the project site that may become overwhelming for school faculty and students and the residents in community.

We recommend that the developer evaluate the outcome of the traffic flow affected by the construction vehicles commuting to the project site. We also recommend that the developer provide a traffic mitigation plan to implement traffic controls and management (e.g., flag persons, clear signage and cones, special duty officers, etc.) for construction vehicles driving to and from the work site. This will ensure a safe means of ingress/egress for construction vehicles, motorists, and pedestrians in the vicinity.

If there are any questions, please call Major Gerald Kaneshiro of District 7 (East Honolulu) at 723-3369.

Thank you for the opportunity to review this project.

Sincerely,

SUSAN BALLARD
Chief of Police

By
MARK TSUYEMURA
Management Analyst VI
Office of the Chief

Serving and Protecting With Aloha

WCP Inc.

November 13, 2017

Susan Ballard, Chief of Police
City and County of Honolulu - Police Department
801 South Beretania Street
Honolulu, HI 96813

Dear Chief Ballard:

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:029

Thank you for your letter dated November 6, 2016 providing comments on the subject project. Your comments, summarized below have been noted and will be considered in the preparation of the Environmental Assessment which will be available for your review when published.

- The Honolulu Police Department (HPD) has concerns regarding construction debris and disturbance and the safe flow of traffic at the project site.
- Precautionary measures should be taken to prevent the possibility of having any construction site debris (i.e., dust, soil, rocks, etc.) reach the roadways and cause a hindrance for motorists or pedestrians.
- The contractor should take into consideration the disturbance of construction noise coming from the project site that may impact the surrounding community.
- HPD recommends that the contractor implement traffic safety oversights and controls (e.g., flag persons, special duty officers, signs, cones, etc.) at the project site to ensure a safe means of ingress/egress for construction vehicles, motorists, and pedestrians in the vicinity.

Thank you again for your comments, suggestions, and interest in the proposed project and for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

99-061 Koaha Way, Suite 208 ● Aiea, Hawaii 96701 ● Phone 808-380-3848 ● Fax 808-380-3849 ● E-Mail wcp@wcphawaii.com

DEPARTMENT OF FACILITY MAINTENANCE

CITY AND COUNTY OF HONOLULU

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

KIRK CALDWELL
MAYOR

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

EDUARDO P. MANGLALLAN
DEPUTY DIRECTOR

IN REPLY REFER TO:
DRM 17-593

November 7, 2017

Mr. Richard Stook
WCP Inc.
99-061 Kaha Way, Suite 208
Aiea, Hawaii 96701

Dear Mr. Stook:

Subject: Early Consultation for Proposed New Library at the Noelani Elementary School, Manoa
TMK: (1) 2-9-023:023

This is in response to your letter dated October 29, 2017, requesting for comments on the subject project.

Our comments are as follows:

- Once construction phase commence, install approved Best Management Practices (BMP) fronting all drainage facilities on Woodlawn Drive.
- During construction and upon completion of project; any damages/deficiencies to Woodlawn Drive right-of-way shall be corrected to City Standards and accepted by the City.

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

Sincerely,

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

WCP Inc.

November 13, 2017

Ross S. Sasamura, Director and Chief Engineer
City and County of Honolulu
Department of Facility Maintenance
1000 Ulu`ohia Street, Suite 215
Kapolei, HI 96707

Dear Mr. Sasamura:

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:029

Thank you for your letter dated November 7, 2017 providing comments on the subject project. We acknowledge your comment that once construction commences Best Management Practices should be installed fronting all drainage facilities on Woodlawn Drive. In addition, during and upon completion of construction any damages/deficiencies to Woodlawn Drive right-of-way shall be corrected to City Standards and accepted by the City.

Your comments have been noted and will be considered in the preparation of the environmental assessment which will be available for your review when published. Thank you again for your comments, suggestions, and interest in the proposed project and for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

99-061 Koaha Way, Suite 208 ● Aiea, Hawaii 96701 ● Phone 808-380-3848 ● Fax 808-380-3849 ● E-Mail wcp@wcphawaii.com

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813
PHONE: (808) 768-8000 • FAX: (808) 768-6041
DEPT. WEB SITE: www.honoluludpp.org • CITY WEB SITE: www.honolulu.gov

KIRK CALDWELL
MAYOR

KATHY K. SOKUGAWA
ACTING DIRECTOR

TIMOTHY F. T. HIU
DEPUTY DIRECTOR

2017/ELOG-2218(JL1)

November 9, 2017

Mr. Richard Stook
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701

Dear Mr. Stook:

SUBJECT: Request for Comments
Early Consultation Pre-Environmental Assessment
Noelani Elementary School – New Library Building
2655 Woodland Drive – Manoa
Tax Map Key: 2-9-023: 023

This is in reponse to your letter, received by our Department on October 27, 2017, for comments related to the proposed new library building at the Noelani Elementary School campus. We have the following comments:

1. Our records indicate that Tax Map Key 2-9-023: 023 is not current, and has been superseded by Tax Map Key 2-9-023: 029.

2. The subject parcel is located in the R-7.5 Residential District. Please review the Land Use Ordinance Table 21-3.2 regarding development standards for residential districts. If the proposed new building will exceed the lot's maximum building area of 50 percent or if the structure will encroach into the required yards, a Zoning Waiver will be necessary. Required agency permits should be mentioned in the draft Environmental Assessment (EA).

We look forward to receiving more information about the Project in the draft EA when it is ready to be shared. Should you have any further questions, please contact Janet Lau, of our Urban Design Branch, at (808) 768-8033 or janet.lau@honolulu.gov.

Very truly yours,

FOR Kathy K. Sokugawa
Acting Director

WCP Inc.

November 13, 2017

Kathy K. Sokugawa, Acting Director
City and County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, HI 96813

Dear Ms. Sokugawa:

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:029.

Thank you for your letter dated November 9, 2017 providing comments on the subject project. We acknowledge and apologize for our error in the Tax Map Key number and thank you for your correction. We also note, that the subject parcel is located in the R-7.5 Residential District and must comply with all applicable district development standards or require a waiver.

Your comments have been noted and will be considered in the preparation of the environmental assessment which will be available for your review when published. Thank you again for your comments, suggestions, and interest in the proposed project and for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

HONOLULU FIRE DEPARTMENT

CITY AND COUNTY OF HONOLULU

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

KIRK CALDWELL
MAYOR

MANUEL P. NEVES
FIRE CHIEF

LIONEL CAMARA JR.
DEPUTY FIRE CHIEF

November 17, 2017

Mr. Richard Stook
Environmental Planner
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701

Dear Mr. Stook:

Subject: Early Consultation for Proposed New Library
Noelani Elementary School
2655 Woodlawn Drive
Honolulu, Hawaii 96822
Tax Map Key: 2-9-023: 023

In response to your letter dated October 27, 2017, regarding the abovementioned subject, the Honolulu Fire Department (HFD) requires that the following be complied with:

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

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

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

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

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

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

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

Sincerely,

Socrates D. Bratakos

SOCRATES D. BRATAKOS
Assistant Chief

SDB/DO:bh

WCP Inc.

November 27, 2017

Socrates D. Bratakos, Assistant Chief
Honolulu Fire Department
636 South Street
Honolulu, Hawaii 96813

Dear Mr. Bratakos:

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:023

Thank you for your letter dated November 17, 2017 providing comments on the subject project. Your comments, summarized below have been noted and will be considered in the preparation of the Environmental Assessment which will be available for your review when published.

- Fire department access roads shall be provided such that any portion of the facility or any portion of an exterior wall of the first story of the building is located not more than 150 feet from fire department access roads as measured by an approved route around the exterior of the building or facility. (National Fire Protection Association [NFPA] 1; Uniform Fire Code [UFC]™, 2012 Edition, Sections 18.2.3.2.2 and 18.2.3.2.2.1.) A fire department access road shall extend to within 50 feet of at least one exterior door that can be opened from the outside and that provides access to the interior of the building. (NFPA 1; UFC™, 2012 Edition, Section 18.2.3.2.1.)

- A water supply approved by the county, capable of supplying the equired fire flow for fire protection, shall be provided to all premises upon which facilities or buildings, or portions thereof, are hereafter constructed, or moved into or within the county. When any portion of the facility or building is in excess of 150 feet from a water supply on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains capable of supplying the required fire flow shall be provided when required by the AHJ [Authority Having Jurisdiction]. (NFPA 1; UFC™, 2012 Edition, Section 18.3.1, as amended.)

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

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

Thank you again for your comments, suggestions, and interest in the proposed project and for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

BOARD OF WATER SUPPLY

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

November 20, 2017

Mr. Richard Stook
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701-5626

Dear Mr. Stook:

Subject: Your Letter Dated October 27, 2017 Requesting Comments on the Early Consultation for the Draft Environmental Assessment for the Proposed New Library at Noelani Elementary School – Tax Map Key: 2-9-023: 029

Thank you for the opportunity to comment on the proposed school library.

The existing water system is adequate to accommodate the proposed school library. However, please be advised that this information is based upon current data, and therefore, the Board of Water Supply reserves the right to change any position or information stated herein up until the final approval of the building permit application. The final decision on the availability of water will be confirmed when the building permit application is submitted for approval.

When water is made available, the applicant will be required to pay our Water System Facilities Charges for resource development, transmission and daily storage.

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

WCP Inc.

November 27, 2017

Earnest Y. W. Lau, Manager and Chief Engineer
City and County of Honolulu
Board of Water Supply
630 South King Street
Honolulu, HI 96843

Subject: Early Consultation for proposed New Library at the Noelani Elementary School; Manoa, Hawaii 96822. TMK: (1) 2-9-023:029

Dear Mr. Lau:

We thank you for your comment letter, dated November 20, 2017, regarding the subject project.

Per your comment letter, we note that the existing water system is adequate to accommodate the proposed subdivision. On-site fire protection requirements will be coordinated with the Honolulu Fire Department Fiore Protection Bureau. When water is made available, the applicant will be required to pay Water System Facilities Charges for resource development, transmission, and daily storage.

We also acknowledge that your comments are based on current data and that the BWS reserves the right to change any position or information up until the final approval of the building permit application.

Please note, that the final environmental assessment will be available for your review when published. Thank you again for your participation in the environmental review process.

Sincerely,

Richard Stook
Planner

99-061 Koaha Way, Suite 208 ● Aiea, Hawaii 96701 ● Phone 808-380-3848 ● Fax 808-380-3849 ● E-Mail wcp@wcphawaii.com

5-3-2019

WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hi. 96701-5626

Att: Derek Y Yasaka

To Whom It May Concern:

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu Hawaii, TMK: 1-2-9-023-029

I am the secretary of the Manoa Neighborhood Board and a 33 -year resident of Manoa. I am concerned about the plan to remove old trees in order to build a new library and information technology center. I understand the project is under review for environmental impact.

I hope that reconsideration will allow for the possibility of plan redesign to more properly address concerns regarding the effects of tree removal in view of the need to protect our green space and environment. I believe that by considering and implementing strategies to improve our protection of trees, we will be teaching our young students that both technology and positive environmental considerations can exist side by side and not in opposition.

I am hopeful that this review will serve to develop a better product for our community.

Yours truly,
Joan Koff
5/3/19

cc: Chairperson Benjamin Rotter
Neighborhood Board No. 7
Ellen Sofio, M.D.

WCP Inc.

May 17, 2019

Ms. Joan Koff
Neighborhood Board No. 7
Post Office Box 62228
Honolulu, Hawaii 96839

Dear Ms. Koff,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your May 03, 2019 early consultation reply regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. We acknowledge your concern regarding the removal of several on-campus trees within the construction footprint which will be articulated to the Hawaii State Department of Education and its architect and used in the analysis of the proposed project.

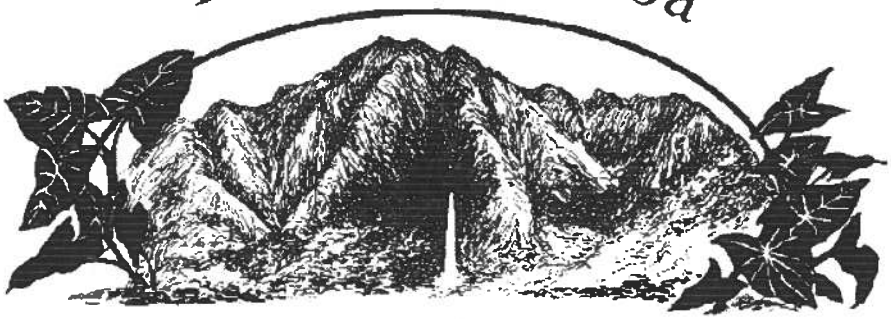
Sincerely,

Derek Y. Yasaka

DYY

cc. Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.

Mālama Mānoa



May 8, 2019

WCP Inc.
Attn: Mr. Derek Y. Yasaka
99-061 Koaha Way, Suite 208
Aiea, HI 96701-5626

Dear Mr. Yasaka:

On behalf of our 3,700 members, the Mālama Mānoa Board of Directors values the opportunity to submit comments for the Environmental Assessment that you are preparing for the new library facility at Noelani Elementary School. The consensus from our voting board is to oppose the removal of existing mature trees and also to consider alternatives to their removal.

The reasons for keeping mature trees, especially in a flood-risk area, are worth considering. These large trees absorb thousands of gallons of water per year in the flood zone near the Mānoa Stream. This is a serious issue, seeing that the valley flooded in 2004, damaging the library collection at the University of Hawai'i. Established root systems hold soil in place, mature canopies provide shade and coolness, and full height offers animal habitat.

Not all of the trees are marked for destruction, as per the current project plans. Two of the trees will be transplanted. A pine tree is among those marked for removal and these are known for rapid growth and a tendency towards instability, so it should be removed for safety reasons.

We of course also promote the planting of native trees and plants throughout our state, wherever appropriate. However, a preferred alternative would be to plant native trees *in addition* to keeping the current trees, with exceptions as mentioned above. Newly-planted trees will take years to mature to the point of replacing what the existing ones contribute.

We understand that the school can benefit from the construction of a new library, and are in support of needed improvements which enhance the learning atmosphere in our schools.

Let's work together towards a better alternative for the new library site to preserve the historic charm of Mānoa, and teach the next generation of residents to respect the environment. We appreciate your consideration. For correspondence, please email me at malamamanoa12@gmail.com. Thank you!

Sincerely,

TDeMott

Thalya DeMott
President, Malama Manoa

WCP Inc.

May 17, 2019

Ms. Thalya DeMott, President
Mālama Mānoa
Post Office Box 61961
Honolulu, Hawaii 96839

Dear Ms. DeMott,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your May 08, 2019 early consultation reply regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. We acknowledge your concern regarding the removal of several on-campus trees within the construction footprint which will be articulated to the Hawaii State Department of Education and its architect and used in the analysis of the proposed project.

Sincerely,

Derek Y. Yasaka

DYY

cc. Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.

MANOA
OUTDOOR
CIRCLE

May 8, 2019

WCP Inc.
Attn: Mr. Derek Y. Yasaka
99-061 Koaha Way, Suite 208
Aiea, HI 96701-5626

Dear Mr. Yasaka:

The President of our Mānoa Branch, Dr. Jeremy Lam, our Board of Directors, and I greatly appreciate the opportunity to provide feedback as a part of the Environmental Assessment process. Community engagement is essential for the success of projects, especially when they are funded with tax-payer money via appropriations from the State Legislature.

As you are aware, The Outdoor Circle is an environmental nonprofit organization that was founded in 1912, to keep Hawai'i clean, green and beautiful. We accomplish our mission through volunteerism, education and advocacy. Since February, we have heard from numerous community residents, including Noelani Elementary School parents, who are very concerned about ten trees on the campus that have been marked with a spray painted, red "X." We have been asked to advocate on their behalf to save these trees.

Trees are an integral part of our ecosystem and beautify our lovely Mānoa Valley. The trees, which are slated for removal as a part of the new library construction, have been there for decades. They have provided a habitat for birds and insects, and oxygen and shade for thousands of children as they play at recess and sit outdoors for the school's annual functions, such as the Craft Fair, Jogathon and May Day. While it appears that one or two trees may need to be relocated, and only one tree seems unhealthy, there is no necessary reason to remove the others to accommodate the new building when the original design plans, featured in the Environmental Assessment, clearly accounted for their current positioning. The grassy field is rather large and could easily accommodate the new library building as well as the trees, if it was shifted over by several feet. Also, the water line placement could be adjusted. Planting new native trees would be wonderful, but that should be done in addition to saving the mature trees that reside there because they are sorely needed for carbon sequestration.

We would be happy to collaborate with the Hawaii Department of Education, the contractor, arborist, landscape architect and your consulting group to arrive at a better alternative in the best interests of the health and wellbeing of the children, trees and community. Aligning with the mission statement of Noelani Elementary School, this is a teachable moment for the students to learn that we should, "Think globally, and act locally."

Sincerely,
Vanessa Distajo
Vanessa Distajo
Vice President

1314 S. King Street Suite #306 Honolulu, HI 96814

WCP Inc.

May 17, 2019

Ms. Vanessa Distajo, Vice President
Manoa Outdoor Circle
1314 South King Street, Suite 306
Honolulu, Hawaii 96814

Dear Ms. Distajo,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your May 08, 2019 early consultation reply regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. We acknowledge your concern regarding the removal of several on-campus trees within the construction footprint which will be articulated to the Hawaii State Department of Education and its architect and used in the analysis of the proposed project.

Sincerely,

Derek Y. Yasaka

DYY

cc. Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.

DEPARTMENT OF PARKS & RECREATION

CITY AND COUNTY OF HONOLULU

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

KIRK CALDWELL
MAYOR

MICHELE K. NEKOTA
DIRECTOR

JEANNE C. ISHIKAWA
DEPUTY DIRECTOR

May 8, 2019

Mr. Derek Y. Yasada
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701-5626

Dear Mr. Yasada:

SUBJECT: Early Consultation Environmental Assessment
Proposed New Library at Noelani Elementary School
Honolulu, Hawaii
TMK: 1-2-9-023:029

Thank you for the opportunity to review and comment at the early consultation stage of the Environmental Assessment for the proposed new library at Noelani Elementary School.

The Department of Parks and Recreation invites WCP Inc. to contact Mr. David Kumasaka of the Department's Division of Urban Forestry at 768-7115, for suggestions and recommendations regarding the relocation of existing exotic trees and selection of new native trees to be planted elsewhere on the campus.

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

Sincerely,

Michele K. Nekota

Michele K. Nekota
Director

MKN:jr
(771042)

cc: David Kumasaka, Department of Parks and Recreation

WCP Inc.

May 17, 2019

Ms. Michele K. Nekota, Director
City and County of Honolulu
Department of Parks and Recreation
1000 Uluohia Street, Suite 309
Kapolei, Hawaii 96707

Dear Director Nekota,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your May 08, 2019 early consultation reply regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. Thank you also for the invitation to communicate with Mr. David Kumasaka of the Department's Division of Urban Forestry for suggestions and recommendations regarding the on-campus relocation of existing exotic trees and the selection of native trees to be planted. The Hawaii State Department of Education and its architect will be apprised accordingly.

Sincerely,

Derek Y. Yasaka

DYY

cc. Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.

99-061 Koaha Way, Suite 208 • Aiea, Hawaii 96701-5626 • Phone 808.380.3848 • Fax 808.380.3849 • E-Mail wcp@wcphawaii.com

From: honsofio <honsofio@aol.com>
Sent: Saturday, May 11, 2019 10:41 PM
To: WCP <wcp@wcphawaii.com>; honsofio@aol.com
Subject: Proposed Library Extension/ maker space construction project at Noelani Elementary School

Date: 5/11/2019

To: Derek Yasaka
WCP Inc.
99-061 Koaha Way, Suite 208
Aiea, Hawaii 96701-5626

From: Ellen Sofio MD
2708 Hipawai Place
Honolulu, Hawaii. 96822
291-4274

Regarding: Response to your letter dated 4/26/2019 and received 4/28/2019 regarding "Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii TMK 1-2-9-023-029

Dear Mr. Yasaka,

Please share this email with all involved individuals at the Hawaii State Department of Education Facilities Development Branch. I'm not sure when your firm's services were contracted. This is not "early consultation" in that the first money was allocated for this proposed project in 2007. As you know the original EA stated erroneously that "no trees will be removed" Because there was no early consultation on this project over the 11-12 years that have elapsed since its inception, many members of the community have been traumatized by finding out about plans involving tree removals that they were never consulted or informed about. This failure on the part of the DOE to follow the law can only be remedied in my opinion by either cancelling the project completely or resolving to build it in such a way as to completely avoid disturbing any trees. As former Governor Abercrombie recently stated at a Manoa Neighborhood Board meeting which the DOE had promised to attend but did not, "not ONE tree...."!!!!! In other words, the new EA should, like the original, say that "no trees will be removed". The community should not have been traumatized by the DOE's failure to follow the law and by having to suddenly see many gorgeous old trees inexplicably spray painted with big ugly X marks. The DOE now owes the community a resolution which does not cause further trauma.

Perhaps as one student recently suggested, this library construction project could be relocated to a school that has no library, one which is not directly across the street from a huge public library! And perhaps the library can be sited on that other campus in such a way that it does not result in the removal or relocation of any trees!

Several hundred individuals, mostly Manoa residents, have signed a petition expressing their strongly felt wish to preserve all the potentially threatened trees in place on the Noelani campus. These trees are over 50 years old. We do not want them cut down and we do not want their survival jeopardized by relocating them either.

In view of the dire threat we all face from global warming and associated mass extinctions and severe weather events from climate change, we need to adopt policies which conserve all old mature trees in our urban canopy. I don't think anyone who signed the petition (which will be forwarded during the 30 day comment period for the EA) objects to planting natives. We support planting native trees. However not at the expense of beautiful old mature trees of any species. All the potentially affected trees provide shade, cooling of the local ad surrounding environment, habitat and flyway and food for many bird species, natural splendor, and psychological and associated physical benefits to human beings who frequent the area including children at the school, staff at the school, neighbors and community members who drive or pass the affected area on foot on a daily basis.

My son attended Noelani years ago and finished just after the 6th grade was moved to Stevenson making the school considerably smaller. I don't remember any discussion at that time about the library on campus being inadequate and do not understand why that would be the case now that the school is smaller, especially since subsequently the public library right across the street has been rebuilt and very substantially enlarged.

I personally think the Noelani campus building footprint is at a point where any further construction on the campus will significantly and permanently harm the peaceful, tranquil, lush atmosphere which makes the school a joyful place. I don't think any further building should occur on the campus.

That having been said, if there is no alternative to proceeding with a construction project, I think it should be sited further mauka along the playground fenceline towards the UH greenhouses in the open area where no trees would be disturbed.

Thank you for your time and attention. I am prepared to submit the petition with all signatures and any subsequent comments they each may have during the 30 day period after the EA is completed.

Ellen Sofio
291-4274

WCP Inc.

May 17, 2019

Dr. Ellen Sofio
2708 Hipawai Place
Honolulu, Hawaii 96822

Dear Dr. Sofio,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your May 11, 2019 early consultation reply regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. We acknowledge your concern regarding the removal of several on-campus trees within the construction footprint which will be articulated to the Hawaii State Department of Education and its architect and used in the analysis of the proposed project.

Sincerely,

Derek Y. Yasaka

DYY

cc. Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.

99-061 Koaha Way, Suite 208 • Aiea, Hawaii 96701-5626 • Phone 808.380.3848 • Fax 808.380.3849 • E-Mail wcp@wcphawaii.com

Office of the President

UNIVERSITY of HAWAI'I®

May 13, 2019

Emailed to wcp@wcphawaii.com

WCP Inc.
99-061 Koaha Way, Suite 208
'Aiea, Hawai'i 96701-5626

To whom it may concern:

On April 29, we received your letter dated April 26, 2019 regarding the early consultation for the proposed new library at Noelani Elementary School, Honolulu, Hawai'i. Your plan was shared with key offices and we received the following comments for your consideration:

Institute for Astronomy (IfA)
Contact: Robert McLaren, Interim Director, IfA (rmclaren@hawaii.edu; 808-956-8566)

- IfA requests correction to the caption error on Figure 2. IfA is not the Midlevel Facility, which is physically located on Maunakea. The proper caption should be the Institute for Astronomy which is located at 2680 Woodlawn Drive, Honolulu, Hawai'i 96822.

- IfA requests night time, outdoor lighting be fully shielded, limited to only what is necessary, motion sensor activated, and with low color temperature (not higher than 2700 K). The reason for this request is to minimize any interference with night time star gazing activities at the IfA, as well support overall energy-saving efforts.

- IfA requests the footpath around the back of Noelani Elementary School to Hipawai Place remain open. This route is used by faculty teaching on campus, as a safe and fast walking route to the campus.

- IfA appreciates the good relations it currently has with Noelani Elementary School. For example, when one has a large event, the other frequently makes its parking lot available for overflow parking. We hope that this good working relationship will continue.

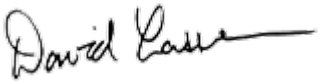
College of Tropical Agriculture and Human Resources (CTAHR)
Contact: Nicholas Comerford, Dean, CTAHR (nbc6@hawaii.edu; 808-956-8234)

- CTAHR commented on the potential staging area for the library project. If the staging area is located in the open lawn area as proposed, near the Woodlawn driveway, there will be construction vehicles that would require entry and use of the University's Magoon driveway entrance area that leads into CTAHR's Tropical Plant and Social Sciences head house and parking stalls, as well as the driveway to the Natural Resources and Environmental Management head houses #8 & 9 and soil lab. Such issue would need to be addressed by a construction right of entry agreement that will be handled and drafted by our general counsel office.

2444 Dole Street, Bachman Hall
Honolulu, Hawai'i 96822
Telephone: (808) 956-8207
Fax: (808) 956-5286

We appreciate the continued status updates with the University regarding this project so that we may communicate with appropriate offices on our campus.

Sincerely,



David Lassner
President

c: Michael Bruno, Provost
Nicholas Comerford, Dean, CTAHR
Robert McLaren, Director, IfA
Kathy Cutshaw, Vice Chancellor for Administration, Finance and Operations
Lori Ideta, Vice Chancellor for Students
Jan Gouveia, Vice President for Administration

WCP Inc.

May 17, 2019

Mr. David Lassner
Office of the President
University of Hawaii at Manoa
2444 Dole Street, Bachman Hall
Honolulu, Hawaii 96822

Dear President Lassner,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your May 13, 2019 early consultation reply regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. Thank you also for the comments regarding the project description's Figure 2 caption error, light pollution and footpath concerns, and on-campus access during library construction. The Hawaii State Department of Education and its architect will be apprised accordingly.

Sincerely,

Derek Y. Yasaka

DYY

cc. Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.

DEPARTMENT OF PARKS & RECREATION

CITY AND COUNTY OF HONOLULU

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

KIRK CALDWELL
MAYOR

MICHELE K. NEKOTA
DIRECTOR

JEANNE C. ISHIKAWA
DEPUTY DIRECTOR

May 14, 2019

MEMORANDUM

TO: John Reid, Planner VI
Executive Services Division

FROM: Tony Lee Yi
Horticulture Services Manager
Division of Urban Forestry (DUF)

SUBJECT: Early Consultation for Proposed New Library
at Noelani Elementary School

At your request, we have reviewed the letter from WCP Inc. dated May 1, 2019, as attached, iand provide the following comments:

1. Figure 2- Project Site Map: The attachment is difficult to interpret. However, tree protection fencing shall be installed to protect the existing street trees along Woodlawn Drive from construction damage.

2. We recommend, that during the design phase, provide public notification (The Outdoor Circle, Neighborhood Board, and District Councilmember, etc.), regarding the proposed tree removals.

3. During the design phase, a Certified Arborist from the International Society of Arboriculture should be hired to assist with the preparation of the project plans.

4. Please submit the Conceptual Plans showing the tree protection fencing along Woodlawn Drive for DUF's review and comments.

Should you have any questions, please contact David Kumasaka, Landscape Architect III of DUF, Department of Parks and Recreation, at 971-7151.

TLY:ch
Attachment

cc: David Kumasaka, DUF

WCP Inc.

May 21, 2019

Mr. Tony Lee Yi
City and County of Honolulu
Department of Parks and Recreation
Division of Urban Forestry
1000 Uluohia Street, Suite 309
Kapolei, Hawaii 96707

Dear Mr. Yi,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your May 14, 2019 early consultation reply regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. Thank you also for your comments regarding the removal of several on-campus trees within the construction footprint which will be articulated to the Hawaii State Department of Education and its architect and used in the analysis of the proposed project.

Sincerely,

Derek Y. Yasaka

DYY

cc. City and County of Honolulu Department of Parks and Recreation, Executive Services Division
Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.

To WCP Inc,

This letter is in responce to your letter regaurding Noelani new Library location.

I am the owner of two property 2742 & 2757 Hipawai Place.

My concerns are that our storm drain runs into preposed site.

We can not change our strom drain cause they are under foundation of house and yard.

You mite concider this issue.

Concerned,

Bonnie Hasselfeld

1123 Sandwood Place

San Pedro, CA 90731

WCP Inc.

May 24, 2019

Ms. Bonnie Hasselfeld
1123 Sandwood Place
San Pedro, California 90731-1133

Dear Ms. Hassefeld,

Subject: Early Consultation for Proposed New Library at Noelani Elementary School, Honolulu, Hawaii, TMK 1-2-9-023-029

Thank you for your early consultation reply received on May 23, 2019 regarding the proposed construction of a new library building on the Noelani Elementary School campus and for your participation in the environmental review process. We acknowledge your storm drain concern which will be articulated to the Hawaii State Department of Education and its architect and used in the analysis of the proposed project.

Sincerely,

Derek Y. Yasaka

DYY

cc. Hawaii State Department of Education, Facilities Development Branch
Urban Works Inc.