DAVID Y. IGE
GOVERNOR

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OCT 23 2016

KATHRYN S. MATAYOSHI
SUPERINTENDENT

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

OFFICE OF SCHOOL FACILITIES AND SUPPORT SERVICES

September 30, 2016

RECEIVED
'16 OCT -4 A11 :22
OFC. OF ENVIRONMENTAL
QUALITY CONTROL

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

FROM: Duane Y. Kashiwai
Public Works Administrator, Facilities Development Branch

SUBJECT: **Final Environmental Assessment (FEA-FONSI) for Princess Nahienaena Elementary School, Classroom Building Tax Map Key: (2) 4-6-18:013 Lahaina, Maui, Hawaii**

The State of Hawaii, Department of Education hereby transmits the final environmental assessment and finding of no significant impact (FEA-FONSI) for the Princess Nahienaena Elementary School classroom building situated at TMK (2) 4-6-18:13, in the Lahaina District on the island of Maui, for publication in the next available edition of *The Environmental Notice*.

Enclosed is a completed OEQC Publication Form, two copies of the Final EA, an Adobe Acrobat PDF file of the Final EA, and an electronic copy of the publication form in Microsoft Word.

If there are any questions, please contact Cheng-Hsin Chang, Engineer of the Facilities Development Branch, at (808) 784-5086.

DYK:jmb
Enclosures

c: Facilities Development Branch

17-148

FILE COPY

OCT 23

AGENCY PUBLICATION FORM

Project Name:	Princess Nahi'ena'ena Elementary School Classroom Building
Project Short Name:	Princess Nahi'ena'ena Classroom Building
HRS §343-5 Trigger(s):	§343-5(a)(1) Use of state land and funds
Island(s):	Maui
Judicial District(s):	Lahaina
TMK(s):	4-6-018: 013 por.
Permit(s)/Approval(s):	NPDES General Permit, Variance from Pollution Controls, Historic Site Review, Building Permit, Grading and Grubbing Permit, Certificate of Occupancy, Fire Protection
Proposing/Determining Agency:	Department of Education, State of Hawaii Office of School Facilities and Support Services Facilities Development Branch-Project Management Section 3633 Waialae Avenue Honolulu, HI 96816
Contact Name, Email, Telephone, Address	Janna Mihara Janna_Mihara/FacDev/HIDOE@notes.K12.hi.us T: 784-5120
Accepting Authority:	(for EIS submittals only)
Contact Name, Email, Telephone, Address	
Consultant:	Gerald Park Urban Planner
Contact Name, Email, Telephone, Address	Gerald Park 95-595 Kanamee Street #324 Mililani, HI 96789 T: 625-9626 E: gpark@gpup.biz

Status (select one)	**Submittal Requirements**
____ DEA-AFNSI	Submit 1) the proposing agency notice of determination/transmittal letter on agency letterhead, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the DEA, and 4) a searchable PDF of the DEA; a 30-day comment period follows from the date of publication in the Notice.
__X__ FEA-FONSI	Submit 1) the proposing agency notice of determination/transmittal letter on agency letterhead, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the FEA, and 4) a searchable PDF of the FEA; no comment period follows from publication in the Notice.
____ FEA-EISPN	Submit 1) the proposing agency notice of determination/transmittal letter on agency letterhead, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the FEA, and 4) a searchable PDF of the FEA; a 30-day comment period follows from the date of publication in the Notice.
____ Act 172-12 EISPN ("Direct to EIS")	Submit 1) the proposing agency notice of determination letter on agency letterhead and 2) this completed OEQC publication form as a Word file; no EA is required and a 30-day comment period follows from the date of publication in the Notice.
____ DEIS	Submit 1) a transmittal letter to the OEQC and to the accepting authority, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the DEIS, 4) a searchable PDF of the DEIS, and 5) a searchable PDF of the distribution list; a 45-day comment period follows from the date of publication in the Notice.
____ FEIS	Submit 1) a transmittal letter to the OEQC and to the accepting authority, 2) this completed OEQC publication form as a Word file, 3) a hard copy of the FEIS, 4) a searchable PDF of the FEIS, and 5) a searchable PDF of the distribution list; no comment period follows from publication in the Notice.
____ FEIS Acceptance Determination	The accepting authority simultaneously transmits to both the OEQC and the proposing agency a letter of its determination of acceptance or nonacceptance (pursuant to Section 11-200-23, HAR) of the

	FEIS; no comment period ensues upon publication in the Notice.
FEIS Statutory Acceptance	Timely statutory acceptance of the FEIS under Section 343-5(c), HRS, is not applicable to agency actions.
____ Supplemental EIS Determination	The accepting authority simultaneously transmits its notice to both the proposing agency and the OEQC that it has reviewed (pursuant to Section 11-200-27, HAR) the previously accepted FEIS and determines that a supplemental EIS is or is not required; no EA is required and no comment period ensues upon publication in the Notice.
____ Withdrawal	Identify the specific document(s) to withdraw and explain in the project summary section.
____ Other	Contact the OEQC if your action is not one of the above items.

Project Summary

The Department of Education proposes to construct a two-story, 8 classroom building and outdoor learning area at Princess Nahi'ena'ena Elementary School. Located at the uppermost section of the campus, the approximately 2.0 acre site was previously graded and is currently covered by assorted dry grasses. The site is not used for school activities. The classroom building will be erected on a portion of an undeveloped site and the remainder improved for outdoor learning and activities. The outdoor learning area will be grassed, landscaped, and feature a covered structure to be built as a "classroom without walls".

The cost of the project is estimated at $7.24 million. Construction is projected to commence in April 2017 with completion by Summer 2018.

FINAL ENVIRONMENTAL ASSESSMENT

PRINCESS NAHI'ENA'ENA ELEMENTARY SCHOOL CLASSROOM BUILDING

Pana'ewa, District of Lahaina, Maui, Hawai'i

Prepared for

Department of Education, State of Hawai'i
Office of School Facilities and Support Services
Facilities Development Branch-Project Management Section
3633 Waialae Avenue
Honolulu, HI 96816

September 2016

FINAL ENVIRONMENTAL ASSESSMENT

PRINCESS NAHI'ENA'ENA ELEMENTARY SCHOOL CLASSROOM BUILDING

Pana'ewa, District of Lahaina, Maui, Hawai'i

Prepared in Partial Fulfillment of the Requirements of Chapter 343, Hawai'i Revised Statutes and Title 11-200, Hawai'i Administrative Rules, Department of Health, State of Hawai'i

Prepared for

Department of Education, State of Hawai'i
Office of School Facilities and Support Services
Facilities Development Branch-Project Management Section
3633 Waialae Avenue
Honolulu, HI 96816

Prepared by

Gerald Park Urban Planner
95-595 Kanamee Street #324
Mililani, Hawai'i 96789

and

Design Partners, Inc.
1580 Makaloa Street
Suite 1100
Honolulu, Hawai'i 96814

September 2016

PROJECT PROFILE

Proposed Action:	Princess Nahi'en'aena Elementary School Classroom Building DOE Job No. Q54000-14
Location:	Pana'ewa, District of Lahaina, Maui, Hawai'i
Street Address:	816 Niheu Street Lahaina, Hawai'i 96761
Proposing/Determining Agency:	Department of Education, State of Hawai'i ***Office of School Facilities and Support Services*** ***Facilities Development Branch*** ***Project Management Section*** ***3633 Waialae Avenue*** ***Honolulu, HI 96816***
Tax Map Key:	4-6-0018: 013 por.
Land Area:	37.832 acres
Landowner:	State of Hawai'i
Existing Use:	Public Elementary School
State Land Use Designation:	Urban
Maui Island Plan:	Inside Urban Growth Boundary
Community Plan:	West Maui Community Plan
WMCP Land Use Map:	*Public/Quasi-Public*
Zoning:	Interim
Special Management Area:	Outside Special Management Area
Need for Assessment:	Chapter 343, Hawai'i Revised Statutes §343-5 (a) (1) Propose the use of state or county lands or the use of state or county funds.
Determination:	[~~Anticipated~~] Finding of No Significant Impact
Contact Person:	Janna Mihara, Project Coordinator Department of Education ***Office of School Facilities and Support Services*** ***Facilities Development Branch*** ***Project Management Section*** ***3633 Waialae Avenue*** ***Honolulu, HI 96816*** ***Telephone: 377-8314***

Note: Substantive revisions to the text of the Draft Environmental Assessment are in ***bold italic*** type. Deleted text is in brackets with a [~~strikethrough~~].

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1 DESCRIPTION OF THE PROPOSED PROJECT

The Department of Education, State of Hawai'i, proposes to construct a new classroom building at Princess Nahi'ena'ena Elementary School located in the *ahupua'a* of Pana'ewa, District of Lahaina, Maui, Hawai'i. Princess Nah'iena'ena Elementary School (hereafter "Nahi'ena'ena School" or "School") is bounded by Kanaha Stream Gulch on the north, Lahainaluna School on the east, Lahaina Intermediate School on the south, and the Kelawea Mauka residential subdivision on the west. A Location Map is shown as Figure 1.

Princess Nahi'ena'ena Elementary School and Lahaina Intermediated School are located on the same parcel. The parcel bears Tax Map Key 4-6-018: 013 encompassing an area of 37.823 acres. A Tax Map is shown as Figure 2.

A. Purpose

The project is needed to accommodate growth in enrollment of elementary school age children in the Lahaina area. The only other nearby elementary school, King Kamehameha III, does not have any more space to expand their facilities. As a result, they have been sending their overflow of students to Nahi'ena'ena School. In addition, a new school site for the proposed West Maui Elementary School is not anticipated to be available before 2017.

B. Technical Characteristics

1. Classroom Building

The new building will be located in an undeveloped section (or project area) of the School *mauka* of Classroom Building "E" and east of Classroom Building "C". At the proposed location the project area is the uppermost area on campus. The perimeter of the approximately 2.0 acre project area slopes in four directions --- to an earthen drainage swale on the north, a play field at Lahaina Intermediate School on the east, south to Classroom Building "E", and west to a wide concrete walkway aligned *mauka-makai* (east to west) through the middle of the school.

The building will be sited at the southern end of the project area (or "building site") with the remainder of the project area improved for outdoor learning and activities. A Site Plan is shown as Figure 3. A two level, L-shaped building with a ground level footprint of approximately 10,067 gross square feet (net ground level floor area and circulation) is proposed. The second level also provides 10,067 square feet (See Overall First and Second Floor Plans on Figures 4 and 5).

Ground floor space in the structure is allocated for four general classrooms, an art/science room, boys and girls restrooms, faculty restroom, two separate stairways, elevator, electrical room, communication room, and storage.

Two general classrooms, computer center, faculty center and conference room, faculty restrooms, electrical room, communication room, and storage room comprise the second level. Eight classrooms are proposed in total. Program spaces are shown in Table 1.

In general a combination concrete / cement masonry unit structure is proposed. The building

Table 1. Architectural Space Program

Space	Number	SF	Total
General Classroom	4	950	3,800
Art and Science Classroom	1	1,100	1,100
Computer Resource Center	1	1,100	1,100
Faculty Center	1	900	900
Meeting Room/General Classroom	2	950	1,900
Conference Room	1	240	240
Gang Restrooms	2		
Faculty Restroom	2		
Custodial Room	1	80	80
Communication Room	1		
Mechanical and Electrical Rooms	2		
Total			9,120

Source: Design Partners Inc., 2015

will be constructed on a poured in place concrete foundation and floor with double tees supporting the second floor concrete walkways and flooring. Walls will be framed with concrete and CMU. Steel roof framing with metal decking will support a standing seam metal roofing system. The ground level finished floor elevation is 391.17 feet.

A detached structure will be constructed towards the western end of the outdoor learning area. The structure or "*hale*" will provide a covered outdoor classroom in support of the planned outdoor learning area. The *hale* has a floor area of approximately 308 square feet, is 13'-6" in height, and will be built as a classroom without walls.

Elevation differences between the walkway and the project area will be negotiated by a concrete exterior stairway. Wheelchair access will be provided via an access route (1:20 slope) at the north end of this stairway. A second stairway will be constructed on the south side of the new building for firefighter access.

Vertical access between floors will be provided by one elevator at the juncture of the two building wings and stairways on the end of each wing.

The height of the building is approximately 30 feet measured from existing grade to top of roof ridge. Exterior Elevations are shown as Figures 6 and 7. The design height does not exceed the 30-foot height limit for the Interim zoning district.

The computer center and communication rooms will be air conditioned. All other spaces will be naturally ventilated and augmented with ceiling fans.

The building will be equipped with a fire sprinkler system. The existing concrete walkway from the school driveway / parking area to just beyond Building 'C' also functions as a fire lane. The 20-foot wide walkway is sufficient to accommodate a fire apparatus.

2. Sustainable Characteristics

The classroom building will be designed according to a high performance building rating program developed to specifically facilitate the design, construction, and operation of high performance schools. The rating system is termed the Hawaii Collaborative for High Performance Schools or HI-CHPS. A high performance school is defined as having learning environments that are healthy and comfortable, energy resource and water efficient, safe, secure and adaptable, and easy to operate and maintain.

HI-CHPS criteria will be used to develop sustainability features for the project during design, construction, and performance phases. Design strategies will be developed and documented for the design phase; construction related criteria will be developed and documented for the construction phase; and operation and maintenance criteria documented for the performance phase.

3. Circulation and Off-Street Parking

Changes to on-campus vehicle circulation patterns, parking configurations, and bus loading zone are not proposed. Additional parking stalls [~~are~~] ***may not be*** required. ***A parking analysis was requested by and will be submitted to the Department of Planning; if there is insufficient parking stalls additional stalls will be provided (Department of Planning Comment)***.

4. Infrastructure

Potable water will be supplied through a new distribution line from an existing 6" water main under the central walkway. The distribution line has not yet been sized.

A new 6" wastewater lateral will connect to an existing clean out in the central walkway. The school's wastewater system connects to the Maui County system.

Improvements to the existing electrical system are not required based on preliminary calculation of electrical load, mechanical load, and spare capacity for the new building and existing electrical service. An increase in any of the aforementioned parameters could trigger an electrical service upgrade.

All new electrical service ducts and lines will be routed underground from the electrical room in Building A.

5. Demolition

There are no structures to demolish on the building site.

6. Grading and Drainage

The building site will be grubbed of vegetation and graded to an elevation of between 385 to 390 feet above sea level on the north side of the project area to a low of 30 feet on the south side of the project area. Grading will slope the terrain away from the building (FF 391.17 feet). In general the outdoor learning area will be approximately 4" to 6" lower in elevation than the new building.

The area to be disturbed by construction is estimated at 1.95 acres. Earthwork estimates are ~~[6,060]~~ ***6,765*** cubic yards of excavation and ~~[500]~~ ***300*** cubic yards of embankment.

Runoff will be collected in drain inlets arrayed on the east and south sides of the building and conveyed by 36" drain pipes to an existing catch basin in the southeast corner of the project area. The drain pipes will detain runoff prior to controlled release into the catch basin. A ***Revised Drainage and Grading Plan*** is shown as Figure 8.

An existing off-site earthen drainage swale to the east of the project area drains off-site runoff from south to north. Minimal grading to the School side slope will help cut off runoff from entering the school grounds.

An elevator sump will be constructed to drain collected rainwater. The Wastewater Reclamation Division, Department of Environmental Management commented "the sump shall not be connected to the wastewater system." In lieu of connecting to the County wastewater system, the sump will drain to an infiltration trench after passing effluent through an oil-water separator.

7. Landscaping

Areas around the building and open lawn will be landscaped using native and cultural plants. Native and cultural planting areas and a student garden are proposed to support and promote the School's immersion program. Trees and palms will provide shade, accent areas of the open lawn, and visually and acoustically buffer buildings. Approximately half of the open lawn area will be grassed for outdoor recreation and school functions. Landscaped areas will be irrigated using a low-flow underground irrigation system. The irrigation system controller will be equipped with a moisture sensor A ~~[Hardscape]~~ ***Landscape*** Plan is shown as Figure 9.

C. Economic Characteristics

Construction costs are estimated at $7.24 million and will be funded by the Department of Education.

Construction is projected to commence in April 2017 with completion by summer of 2018. Building occupancy is projected for the start of the 2018 school year.

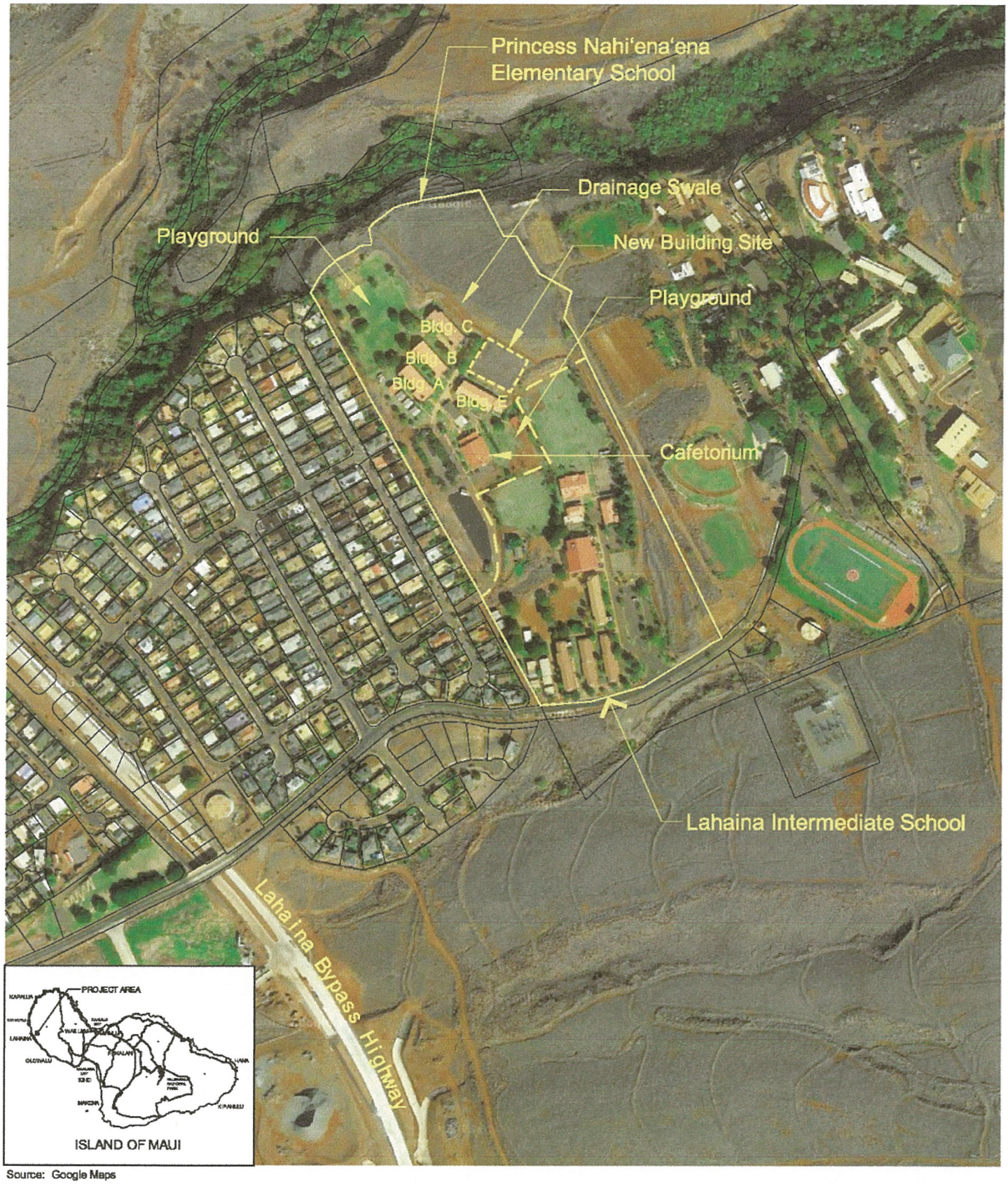
The 37.823 acre lot is owned by the State of Hawai'i.

Note:

Several Environmental Assessments prepared for improvements at Princess Nahienaena Elementary School are listed below. The documents were used for reference in the preparation of this Environmental Assessment.

Princess Nahienaena Elementary School Playfield Site Improvements (December 1989)
Princess Nahienaena Elementary School Eight-Classroom Building (September 1993)
Princess Nahienaena Elementary School Cafetorium/Multipurpose Room (November, 1995)

The Department of Education has determined that the proposed action is not exempt from environmental assessment pursuant to Chapter 343, Hawai'i Revised Statutes.



Source: Google Maps

LINEAL SCALE (FEET)
250 125 0 125 250 500

NORTH

Gerald Park
Urban Planner
August 2015

Figure 1
Vicinity Map
Princess Nahi'ena'ena Elementary School Classroom Building

Pana'ewa, District of Lahaina, Maui, Hawai'i

Department of Education, State of Hawai'i

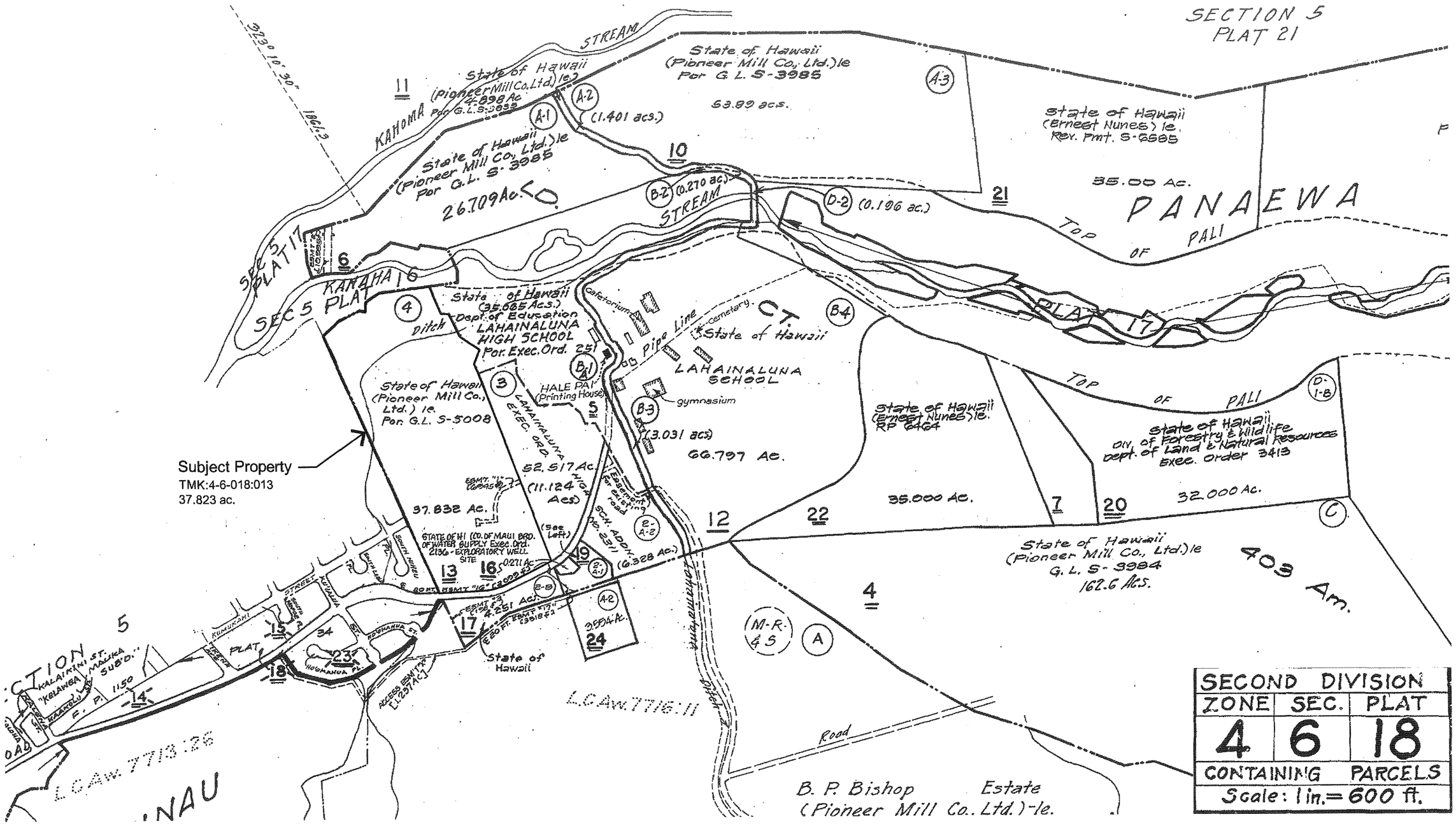
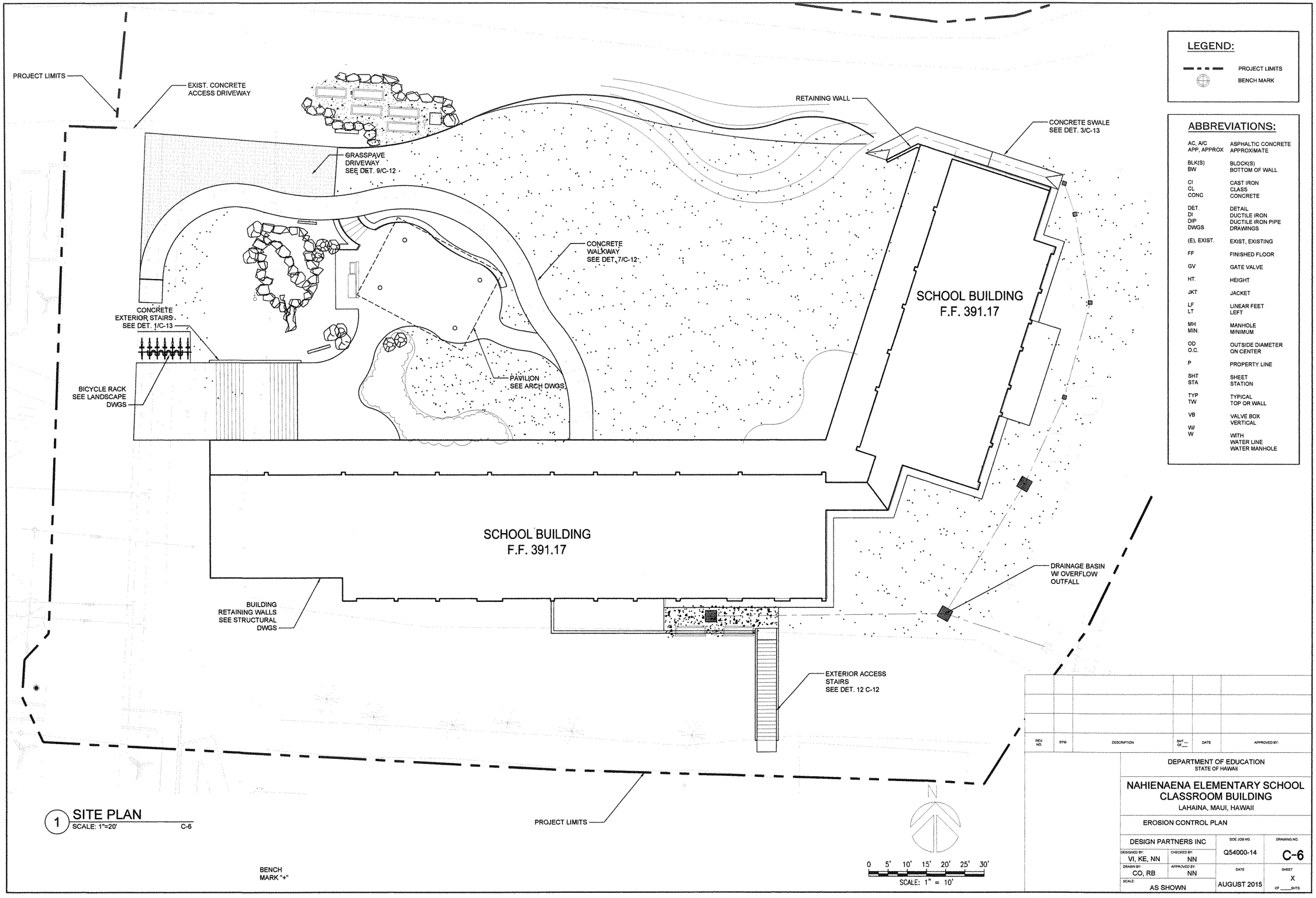


Figure 2
Tax Map
Princess Nahi'ena'ena Elementary School Classroom Building

Department of Education, State of Hawai'i



1 SITE PLAN
SCALE: 1"=20' C-6

LEGEND:

PROJECT LIMITS
BENCH MARK

ABBREVIATIONS:

AC, A/C	ASPHALTIC CONCRETE
APP, APPROX	APPROXIMATE
BLK(S)	BLOCK(S)
BW	BOTTOM OF WALL
CI	CAST IRON
CL	CLASS
CONC	CONCRETE
DET.	DETAIL
DI	DUCTILE IRON
DIP	DUCTILE IRON PIPE
DWGS	DRAWINGS
(E), EXIST.	EXIST, EXISTING
FF	FINISHED FLOOR
GV	GATE VALVE
HT.	HEIGHT
JKT	JACKET
LF	LINEAR FEET
LT	LEFT
MH	MANHOLE
MIN.	MINIMUM
OD	OUTSIDE DIAMETER
O.C.	ON CENTER
P	PROPERTY LINE
SHT	SHEET
STA	STATION
TYP	TYPICAL
TW	TOP OR WALL
VB	VALVE BOX
	VERTICAL
W/	WITH
W	WATER LINE
	WATER MANHOLE

REV. NO.	SYM.	DESCRIPTION	SHT ___ OF ___	DATE	APPROVED BY:

DEPARTMENT OF EDUCATION
STATE OF HAWAII

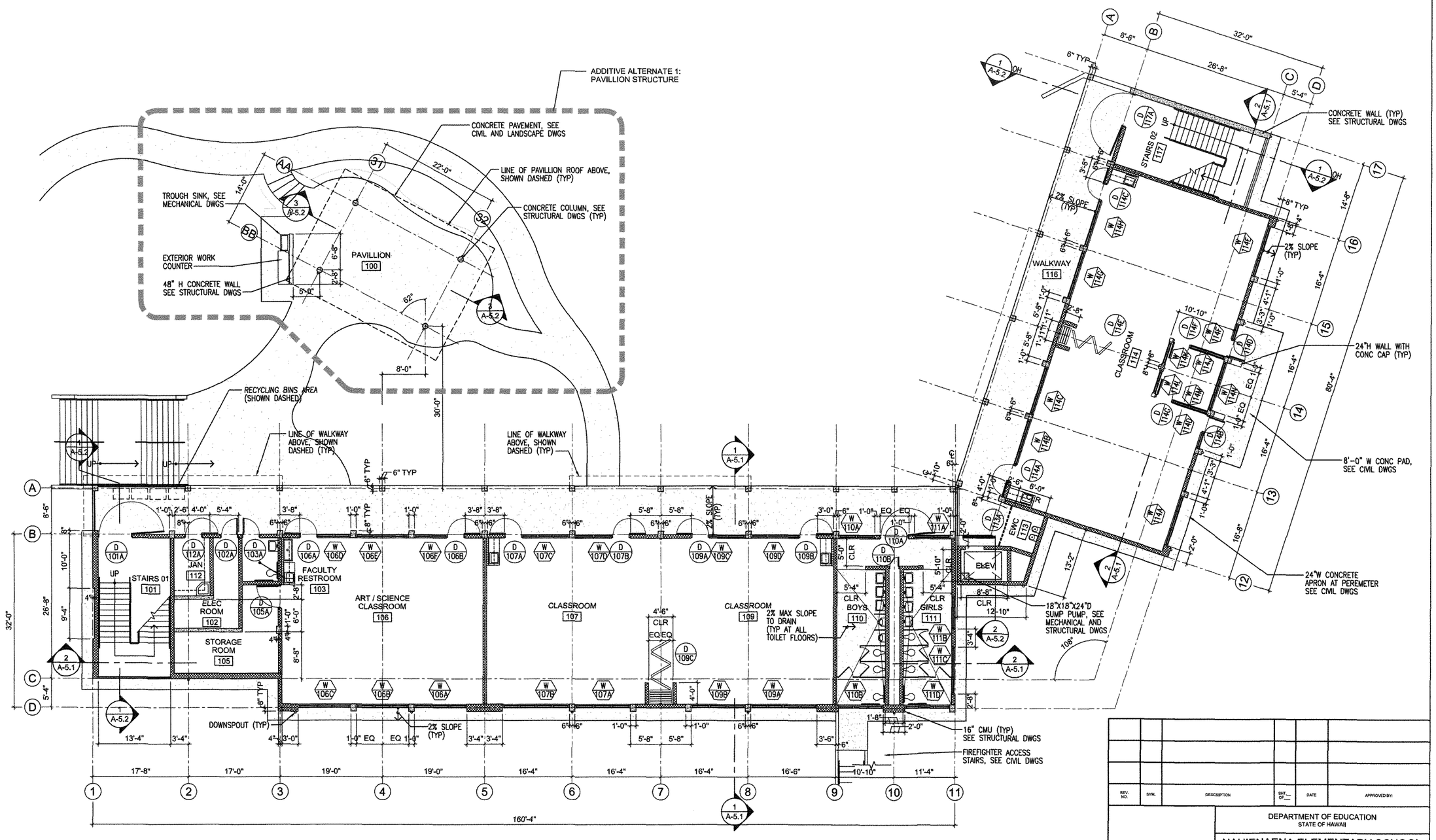
NAHIENAENA ELEMENTARY SCHOOL
CLASSROOM BUILDING
LAHAINA, MAUI, HAWAII

EROSION CONTROL PLAN

DESIGN PARTNERS INC		DOE JOB NO.	DRAWING NO.
DESIGNED BY: VI, KE, NN	CHECKED BY: NN	Q54000-14	C-6
DRAWN BY: CO, RB	APPROVED BY: NN	DATE	SHEET X
SCALE: AS SHOWN		AUGUST 2015	OF ___SHTS

FILE _____ DRAWER _____ FOLDER _____

Figure 3



1 / A-2.1 **OVERALL FIRST FLOOR PLAN**
SCALE: 1/8" = 1'-0"

REV. NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED BY:

DEPARTMENT OF EDUCATION
STATE OF HAWAII

NAHIENAENA ELEMENTARY SCHOOL CLASSROOM BUILDING
LAHAINA, MAUI, HAWAII

OVERALL FIRST FLOOR PLAN

DESIGN PARTNERS INC		DOE JOB NO.	DRAWING NO.
DESIGNED BY: VI, KE, NN	CHECKED BY: NN	Q54000-14	A-2.1
DRAWN BY: CO, RB	APPROVED BY: NN	DATE: DECEMBER 2015	SHEET OF SHTS.
SCALE: AS SHOWN			

FILE _____ DRAWER _____ FOLDER _____

Figure 4

PROGRAM AREA TABULATION

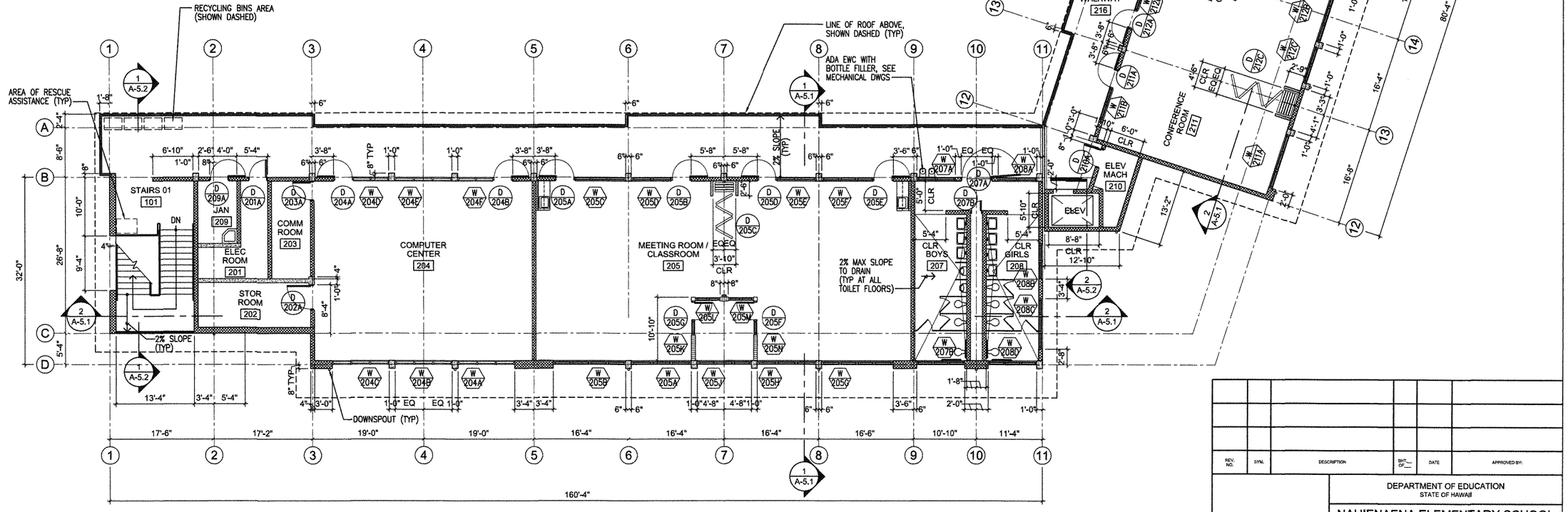
(500 STUDENT DESIGN ENROLLMENT)

I. PROGRAM AREAS

RM NO. (Only for Contruct.)	RM NO. (Actual Signage)	ROOM NAME	FADS (Net sf)	Revised FADS (Net sf)	ACTUAL (Net sf)	REMARKS
100		PAVILION	--	360	308	
106		ART / SCIENCE CLASSROOM	980	1,100	1,145	
107		GENERAL CLASSROOM (KINDERGARTEN)	980	950	980	
109		GENERAL CLASSROOM (1ST GRADE)	980	850	980	
112		JANITOR / CUSTODIAL ROOM	80	80	71	
114		GENERAL CLASSROOM (2ND GRADE)	1960	1900	1,860	
--		BREAKOUT AREA	120	120	100	
204		COMPUTER CENTER	1,200	1,100	1,145	
205		GENERAL CLASSROOM (FOURTH GRADE)	1960	1900	1,848	
--		BREAKOUT AREA	120	120	102	
209		JANITOR / CUSTODIAL ROOM	80	80	71	
211		CONFERENCE ROOM	2,080	240	483	
212		FACULTY CENTER	980	900	1,156	
SUBTOTAL PROGRAMMED AREAS			11,520	9,440	10,249	

II. NON-PROGRAM AREAS

--		HALLWAY (1ST FLOOR)	--	--	2,251	
101		STAIRS 01	--	--	348	
102		ELECTRICAL ROOM	--	--	117	
103		FACULTY RESTROOM	--	--	53	
104		(NOT USED)	--	--	--	
105		STORAGE	--	--	206	
108		(NOT USED)	--	--	--	
110		BOY'S TOILET	--	--	282	
111		GIRL'S TOILET	--	--	282	
113		ELECTRICAL WATER COOLER	--	--	49	
117		STAIRS 02	--	--	348	
--		HALLWAY (2ND FLOOR)	--	--	2,364	
201		ELECTRICAL ROOM	--	--	117	
202		STORAGE	--	--	155	
203		COMMUNICATIONS ROOM	--	--	111	
207		BOY'S TOILET	--	--	282	
208		GIRL'S TOILET	--	--	282	
210		ELEVATOR MACHINE ROOM	--	--	63	
213		STORAGE	--	--	178	
214		MEN'S RESTROOM	--	--	61	
215		WOMEN'S RESTROOM	--	--	62	
SUBTOTAL NON-PROGRAMMED AREAS			--	--	7,611	
TOTAL NET FLOOR AREA					17,860	
TOTAL GROSS FLOOR AREA					21,253	



1 / A-2.2 **OVERALL SECOND FLOOR PLAN**
SCALE: 1/8" = 1'-0"

REV. NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED BY:

DEPARTMENT OF EDUCATION
STATE OF HAWAII

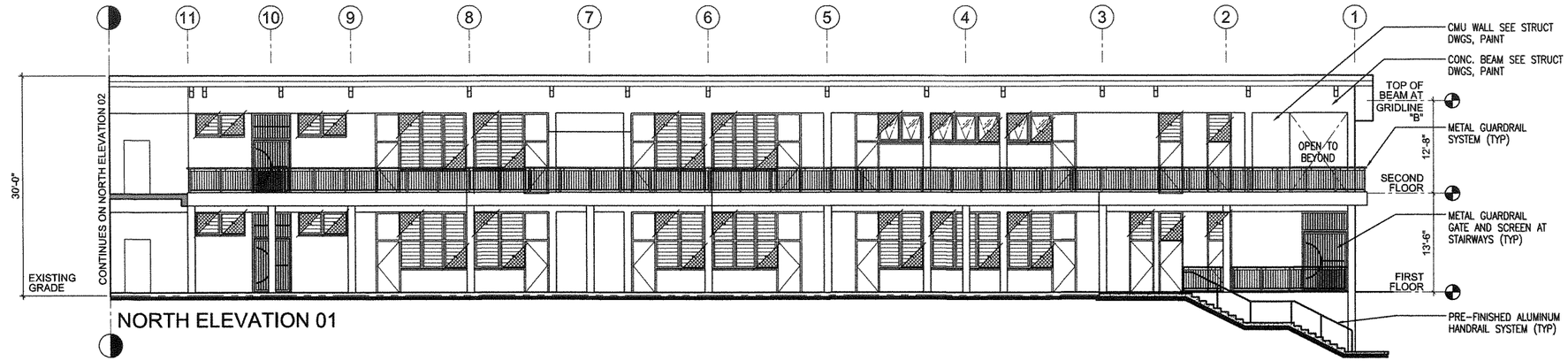
NAHIENAENA ELEMENTARY SCHOOL
CLASSROOM BUILDING
LAHAINA, MAUI, HAWAII

OVERALL SECOND FLOOR PLAN

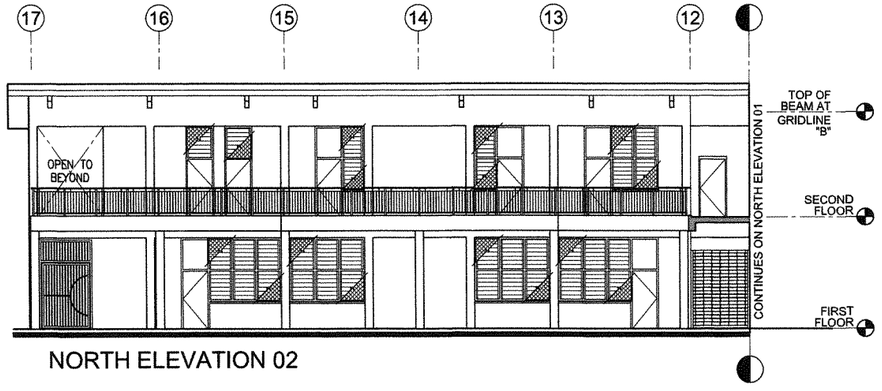
DESIGN PARTNERS INC		DOE JOB NO.	DRAWING NO.
DESIGNED BY: VI, KE, NN	CHECKED BY: NN	Q54000-14	A-2.2
DRAWN BY: CO, RB	APPROVED BY: NN	DATE	SHEET
SCALE: AS SHOWN		DECEMBER 2015	OF ___ SHTS.

FILE _____ DRAWER _____ FOLDER _____

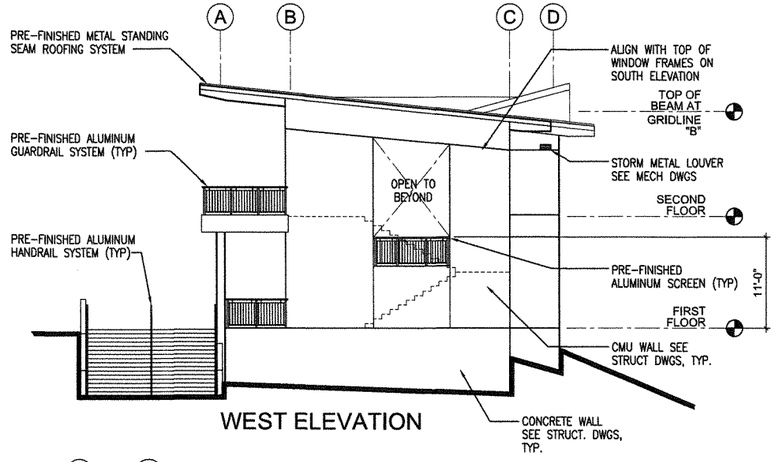
Figure 5



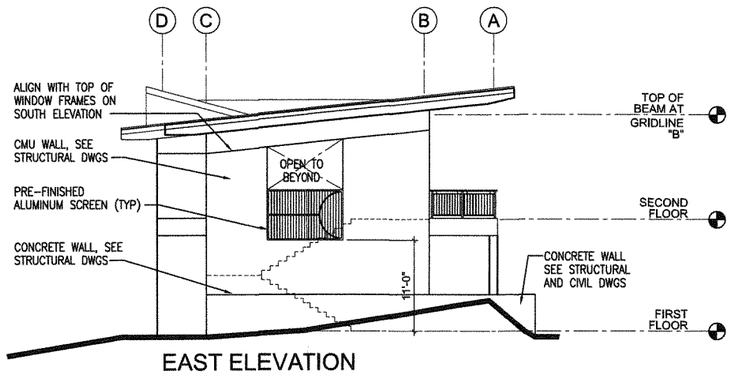
NORTH ELEVATION 01



NORTH ELEVATION 02



WEST ELEVATION



EAST ELEVATION

1 / A-4.1 EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"

REV. NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED BY:

DEPARTMENT OF EDUCATION
STATE OF HAWAII

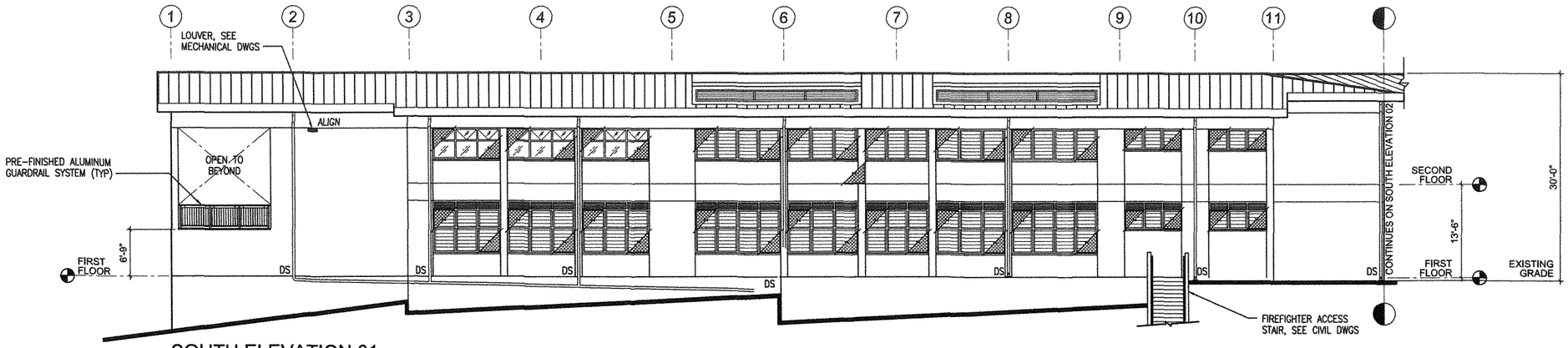
NAHIENAENA ELEMENTARY SCHOOL
CLASSROOM BUILDING
LAHAINA, MAUI, HAWAII

EXTERIOR ELEVATIONS

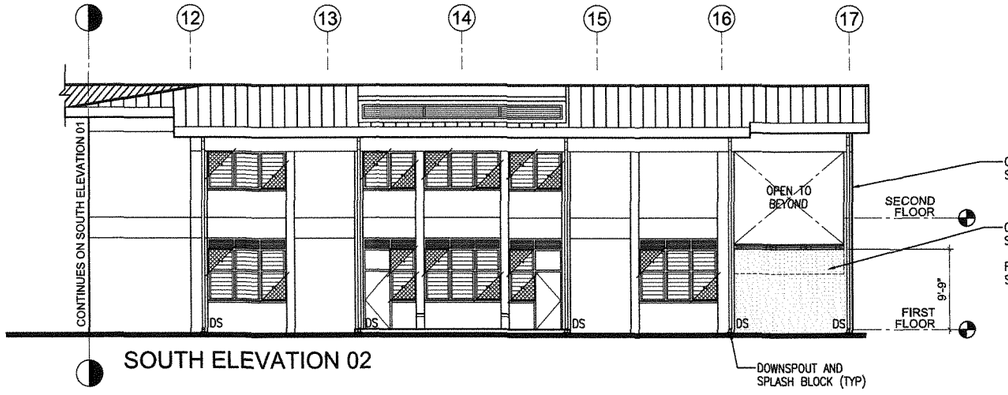
DESIGN PARTNERS INC		DOE JOB NO.	DRAWING NO.
DESIGNED BY: VI, KE, NN	CHECKED BY: NN	Q54000-14	A-4.1
DRAWN BY: CO, RB	APPROVED BY: NN	DATE: DECEMBER 2015	SHEET: OF ___ SHTS.
SCALE: AS SHOWN			

FILE _____ DRAWER _____ FOLDER _____

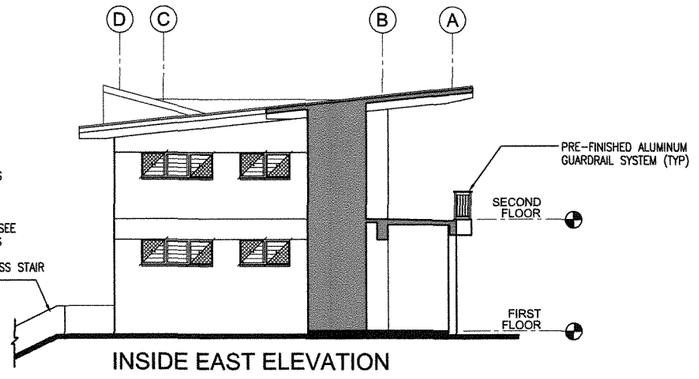
Figure 6



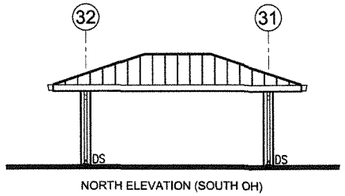
SOUTH ELEVATION 01



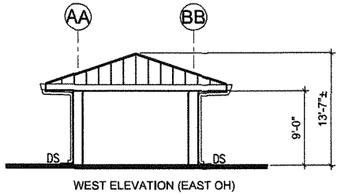
SOUTH ELEVATION 02



INSIDE EAST ELEVATION



NORTH ELEVATION (SOUTH OH)



WEST ELEVATION (EAST OH)

PAVILION ELEVATIONS

REV. NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED BY:

DEPARTMENT OF EDUCATION
STATE OF HAWAII

NAHIENAENA ELEMENTARY SCHOOL
CLASSROOM BUILDING
LAHAINA, MAUI, HAWAII

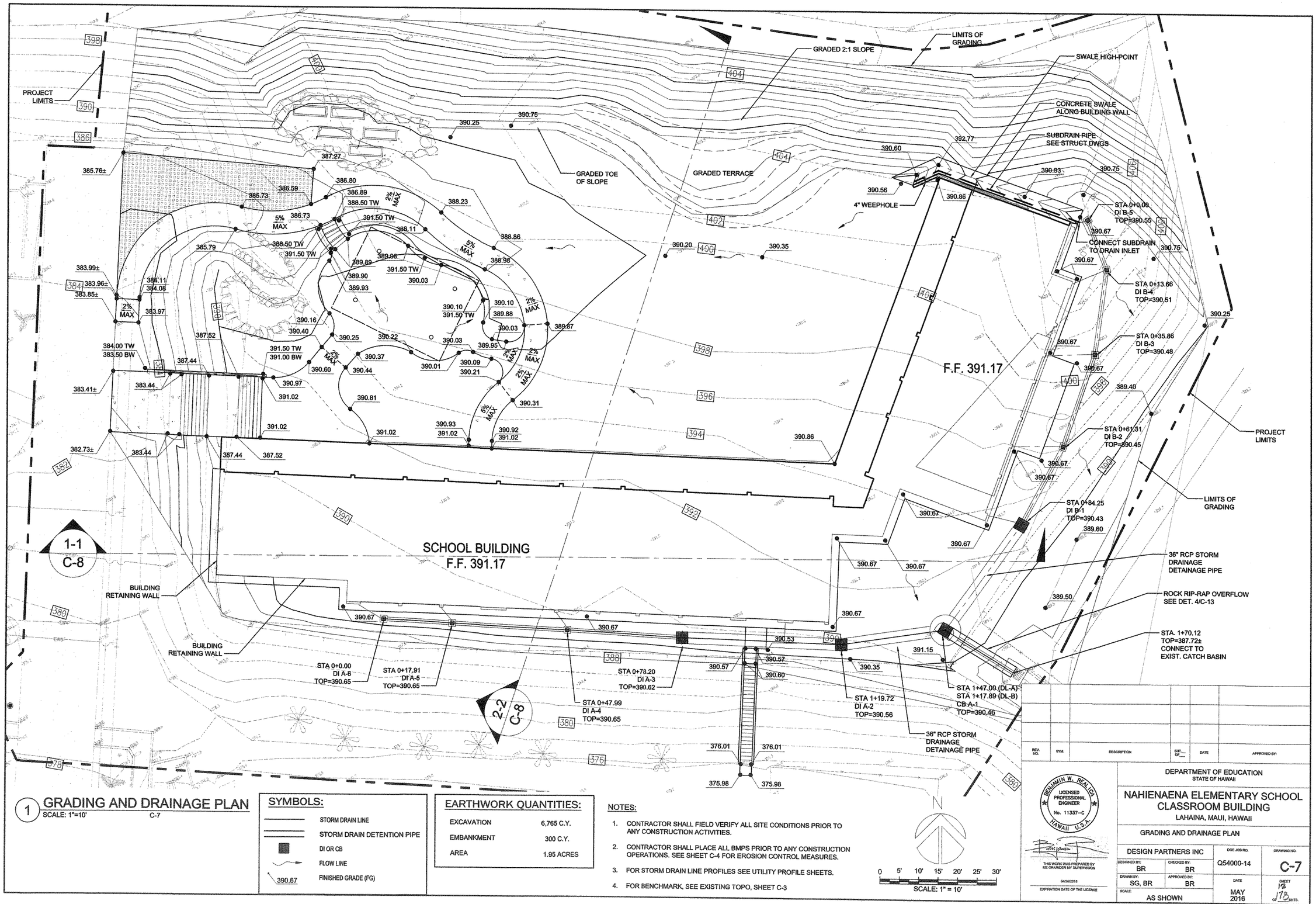
EXTERIOR ELEVATIONS

DESIGN PARTNERS INC		DOE JOB NO.	DRAWING NO.
DESIGNED BY: VI, KE, NN	CHECKED BY: NN	Q54000-14	A-4.2
DRAWN BY: CO, RB	APPROVED BY: NN	DATE	SHEET
SCALE: AS SHOWN		DECEMBER 2015	OF ____ SHTS.

FILE _____ DRAWER _____ FOLDER _____

1 / A-4.2 EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"

Figure 7



1 GRADING AND DRAINAGE PLAN

SCALE: 1"=10' C-7

SYMBOLS:

- STORM DRAIN LINE
- STORM DRAIN DETENTION PIPE
- DI OR CB
- FLOW LINE
- 390.67 FINISHED GRADE (FG)

EARTHWORK QUANTITIES:

EXCAVATION	6,765 C.Y.
EMBANKMENT	300 C.Y.
AREA	1.95 ACRES

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. CONTRACTOR SHALL PLACE ALL BMPS PRIOR TO ANY CONSTRUCTION OPERATIONS. SEE SHEET C-4 FOR EROSION CONTROL MEASURES.
3. FOR STORM DRAIN LINE PROFILES SEE UTILITY PROFILE SHEETS.
4. FOR BENCHMARK, SEE EXISTING TOPO, SHEET C-3

REV. NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED BY:

BENJAMIN W. REALION LICENSED PROFESSIONAL ENGINEER No. 11337-C HAWAII U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

04/30/2018

EXPIRATION DATE OF THE LICENSE

DEPARTMENT OF EDUCATION
STATE OF HAWAII

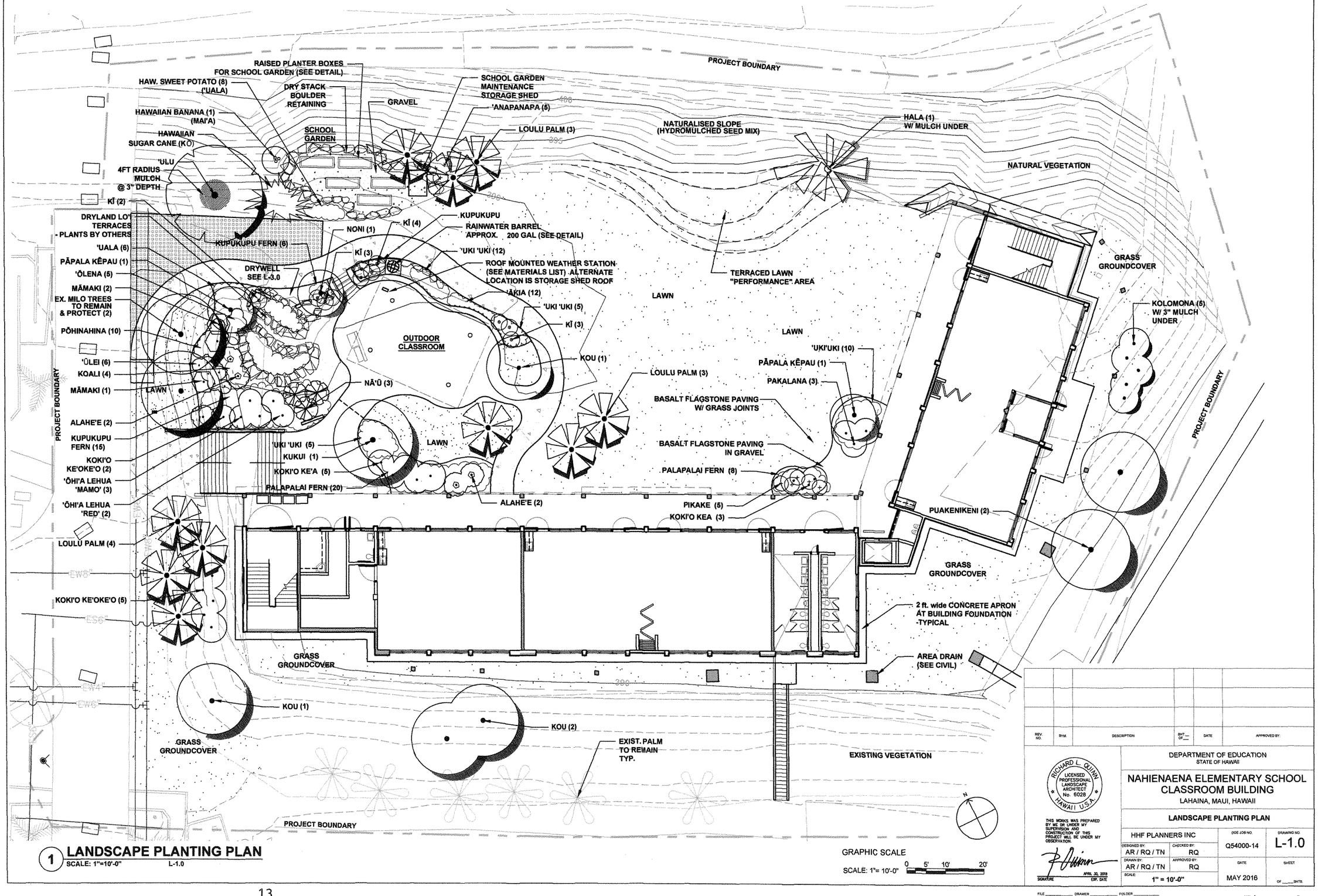
NAHIENAENA ELEMENTARY SCHOOL CLASSROOM BUILDING
LAHAINA, MAUI, HAWAII

GRADING AND DRAINAGE PLAN

DESIGN PARTNERS INC		DOE JOB NO.	DRAWING NO.
DESIGNED BY: BR	CHECKED BY: BR	Q54000-14	C-7
DRAWN BY: SG, BR	APPROVED BY: BR	DATE: MAY 2016	SHEET 12 OF 178 SHTS.
SCALE: AS SHOWN			

FILE _____ DRAWER _____ FOLDER _____

Figure 8



1 LANDSCAPE PLANTING PLAN

SCALE: 1"=10'-0" L-1.0

REV. NO.	BY/M.	DESCRIPTION	SHT__ OF__	DATE	APPROVED BY:

RICHARD L. QUINN LICENSED PROFESSIONAL LANDSCAPE ARCHITECT No. 6028 HAWAII U.S.A.

THIS WORKS WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE APRIL 30, 2016 EXP. DATE

DEPARTMENT OF EDUCATION
STATE OF HAWAII

NAHIENAENA ELEMENTARY SCHOOL CLASSROOM BUILDING
LAHAINA, MAUI, HAWAII

LANDSCAPE PLANTING PLAN

HHF PLANNERS INC		DOE JOB NO. Q54000-14	DRAWING NO. L-1.0
DESIGNED BY: AR / RQ / TN	CHECKED BY: RQ		
DRAWN BY: AR / RQ / TN	APPROVED BY: RQ	DATE: MAY 2016	SHEET OF ___SHTS.
SCALE: 1" = 10'-0"			

FILE _____ DRAWER _____ FOLDER _____

Figure 9

2 EXISTING CONDITIONS

A. Existing Uses and Structures

The new Classroom Building is proposed at the upper end of the School campus. Covered by dry grass, the site is undeveloped and free of structures. Environmental characteristics are described in this section and Site Photographs depict some existing conditions.

Princess Nahi'ena'ena Elementary School opened for instruction in 1988 with opening of one permanent building (Building A) and a portable building (P-7). Between 1990 and 1998 four permanent buildings later were constructed and portable buildings placed incrementally on the campus at various times. Existing structures and uses are listed in Table 1.

Table 2. Structures at Princess Nahi'ena'ena Elementary School

Building	Function	Levels	No. Classrooms	Year Built
A	Classroom	2	8	1988
B	Classroom	2	*8	1990
C	Classroom	2	8	1995
E	Classroom	2	7	1991
H	Serving Kitchen	1	None	1998
P-7	Dining Room	1	1	1969
P1- P6	Portable Classrooms	1	6	Various

* Includes one room for Administration and two rooms for Library.

Source: Department of Education Facilities Inventory System Report, 2006.

At the front of the school, a Cafetorium, a portable building, and four detached portable classroom buildings face the school's driveway and parking area. The driveway accommodates a bus passenger loading zone and a drop off / pick up location for students.

From the driveway a broad concrete walkway provides access to the principal school buildings. Four permanent classroom buildings (Buildings "A", "B", and "C") are aligned north to south behind the four portable classrooms on the west side of the walkway. A fifth permanent classroom building (Building "E") is to the east of the walkway.

An outdoor play field located on the western end of the School features a grass covered performance mound, play apparatus, and a paved outdoor court striped for basketball and volleyball. Monkeypod trees shade picnic tables and benches placed under their broad canopy.

Parking is located at the front of School in two parking areas and a third adjoining the cafeteria. The two parking areas accommodate 42 vehicles (4 accessible stalls) and 39 vehicles for faculty/staff and visitors, respectively. The parking area adjoining the cafeteria provides 19 stalls (1 accessible stall).

Photograph 1

Photograph 2

Photograph 3

Photograph 4

Photograph 5

Photograph 6

Aerial: USGS National Map Viewer
Photographs: Gerald Park

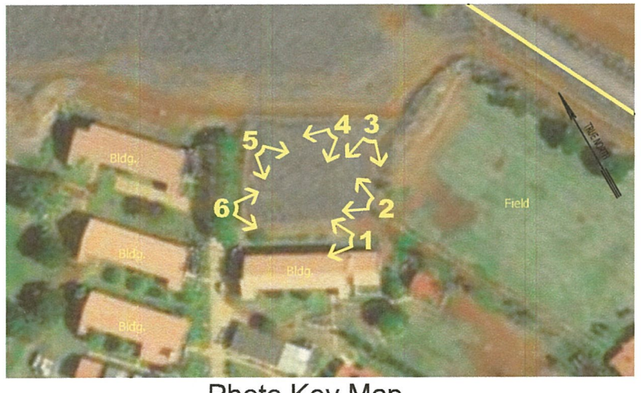


Photo Key Map

GRAPHIC SCALE IN FEET
100 50 0 100 200

Photograph 1 North View of Slope to Building "E". Building Site on Right.
Photograph 2 North View of Classroom Building Site.
Photograph 3 West View of Site for Classroom Building Wing.
Photograph 4 West View of Building Site. Building "E" in Background.
Photograph 5 South View of Building Site. Lahainaluna Intermediate School Playground in Background.
Photograph 6 Building Site Slope Looking South. Walkway in Foreground.

The School is part of the Department of Education's Hana-Lahainaluna-Lanai-Molokai Complex Area. Other public schools comprising the Complex include Kamehameha III Elementary, Lahaina Intermediate, and Lahainaluna High Schools. In general, the two elementary schools "feed" students into Lahaina Intermediate which in turn "feeds" students into Lahainalua High School.

Nahi'ena'ena School operates as a traditional school. The school year runs from early August to the end of May. Approximately 75 persons staff the school including the Principal and support staff, grade level faculty and special education teachers, before and after school programs staff, and aides.

It is one of two elementary schools on Maui offering instruction in the Hawaiian Language Immersion Program. The Program began in 2001. Seventy students currently are enrolled in the Program.

The School reports a total current enrollment of approximately 745 students in grades K-5 including regular, special education, pre-K, and its Hawaiian Language Immersion Program.

Kamaaina Kids operates the school's A+ Program (2:05 PM to 5:30 PM) Mondays through Fridays. Kumon offers a tutoring program on campus Mondays and Thursdays after school

School buses drop off students between the hours of 7:00 AM and 7:35 AM and return for pick-ups beginning at 2:05 PM. The last bus leaves around 2:45 PM. On Wednesdays, the pickup hours run between 1:25 PM and 2:00 PM. Pickups and drop offs are in front of the Cafeteria.

B. Environmental Characteristics

1. Climate

Lahaina can be characterized as having a moderate tropical climate with mild winters and warm sunny days during the summer months. Annual temperature averages 76^0 F and can range from highs of 85^0F to lows of 68^0F. June through October are the warmest months with temperatures reaching the high 80's and November to May the coolest with temperatures in the low to mid 60's.. August is the hottest month and February the coolest.

Rainfall averages less than 10 inches annually along the coast. In comparison rainfall averages 360 inches atop Pu'u Kukui about 5.5 miles above Lahaina town in the West Maui Mountain. The trade winds blow from the northeast about 80% of the year with wind speeds of between 12 to 36 mph. Wind from the south (Kona wind) blows about 20% of the year at speeds less than the trade winds. Kona weather makes for hot and sticky days and nights throughout the Hawaiian Islands. Kona wind also transports volcanic fog (vog) from Kilaues volcano on Hawaii Island up the island chain. Vog makes for poor visibility and causes eye and respiratory irritation.

2. Topography

The entire school site has been modified by construction of buildings, walkways, impervious pavements, play areas, utilities, and landscaping. Ground elevation ranges from a high of 404 feet above mean sea level along the northern edge of the project area to a low of 388

feet along the south property line. Along this north to south gradient, ground slope is calculated at 8%.

The building site is a level terrace that slopes down to the school grounds on two sides. Field investigation indicates the site was previously graded. If spot measured at the toe of the slope, there is a marked difference in elevation ranging from 6 feet along the walkway to 14 feet behind Classroom Building "E". The building site also slopes in the direction of Lahaina Intermediate School to the south.

3. Soils

The Soil Conservation Service (1972) soil map for the area identifies two soil types ---Wainee very stony silty clay, 3 to 7 percent slopes (Code: WxB) and Wainee very stony silty clay,7 to 15 percent slopes (Code: WxC). Both soils commonly occur in areas south of Kanaha Stream Gulch. WxB soils are well drained and the erosion hazard is slight. Characteristics for WxC soils are not presented.

Site improvements probably have blurred the distinctions between the soil types. More than likely the existing surface and part of the subsurface soil is a mixture of soil types, imported engineered fill, and imported topsoil.

4. Hydrology

a. Ground Water

Lahaina overlies what Mink and Lau (1990) classify as the Laniupoko aquifer system. They further characterize the aquifer as a basal, unconfined, flank aquifer, low in salinity and providing fresh drinking water. It is considered to be irreplaceable as a source of fresh water and highly vulnerable to contamination (See Table 2).

Table 3. Aquifer Classification

Aquifer Code	60204
Island Code	6 - Maui
Aquifer Sector	02 - Lahaina
Aquifer System	04 - Laniupoko
Aquifer Type; hydrogeology	1 - Basal
Aquifer Condiiton	1 - Unconfined
Aquifer Type; geology	1 - Flank
Status Code	**11111**
Development Stage	1 - Currently Used
Utility	1 - Drinking
Salinity	1 - Fresh (<250)
Uniqueness	1 - Irreplaceable
Vulnerability to Contamination	1 - High

Source: Mink and Lau, 1990.

b. Surface Water

There are no surface water features on the premises. Kahoma and Kanaha Streams flow east to west (or *mauka* to *makai*) in separate deep gulches adjoining the school grounds to the north. Both streams confluence about 600 feet northwest of the school grounds.

5. Flood Hazard

The Flood Insurance Rate Map ("FIRM") panel for this section of Lahaina places the school site in a flood zone designated "Zone X" which is defined as "areas determined to be outside the 0.2% annual chance floodplain (Department of Land and Natural Resources, 2012)." The 0.2% annual chance floodplain is the 500 year floodplain. The FIRM panel is shown on Figure 10.

The Zone "X" flood zone designation has been verified by the Zoning Administration and Enforcement Division, Department of Planning (See Appendix A).

6. Biological Resources

The building site is covered by dry grass up to 24" high in places. Kiawe, koa haole, and an opiuma tree grow between the project area and Lahaina Intermediate School on the east.

Maintained landscape plantings on the south and west slopes of the project area include grass, milo, plumeria, green and red *ti*, and bougainvillea.

Terrestrial fauna was not observed at the time of the field investigation for this assessment. Rodents including mongoose probably inhabit the building site and adjoining grassland.

The common mynah and cattle egret were the only birds observed.

7. Archaeological Resources

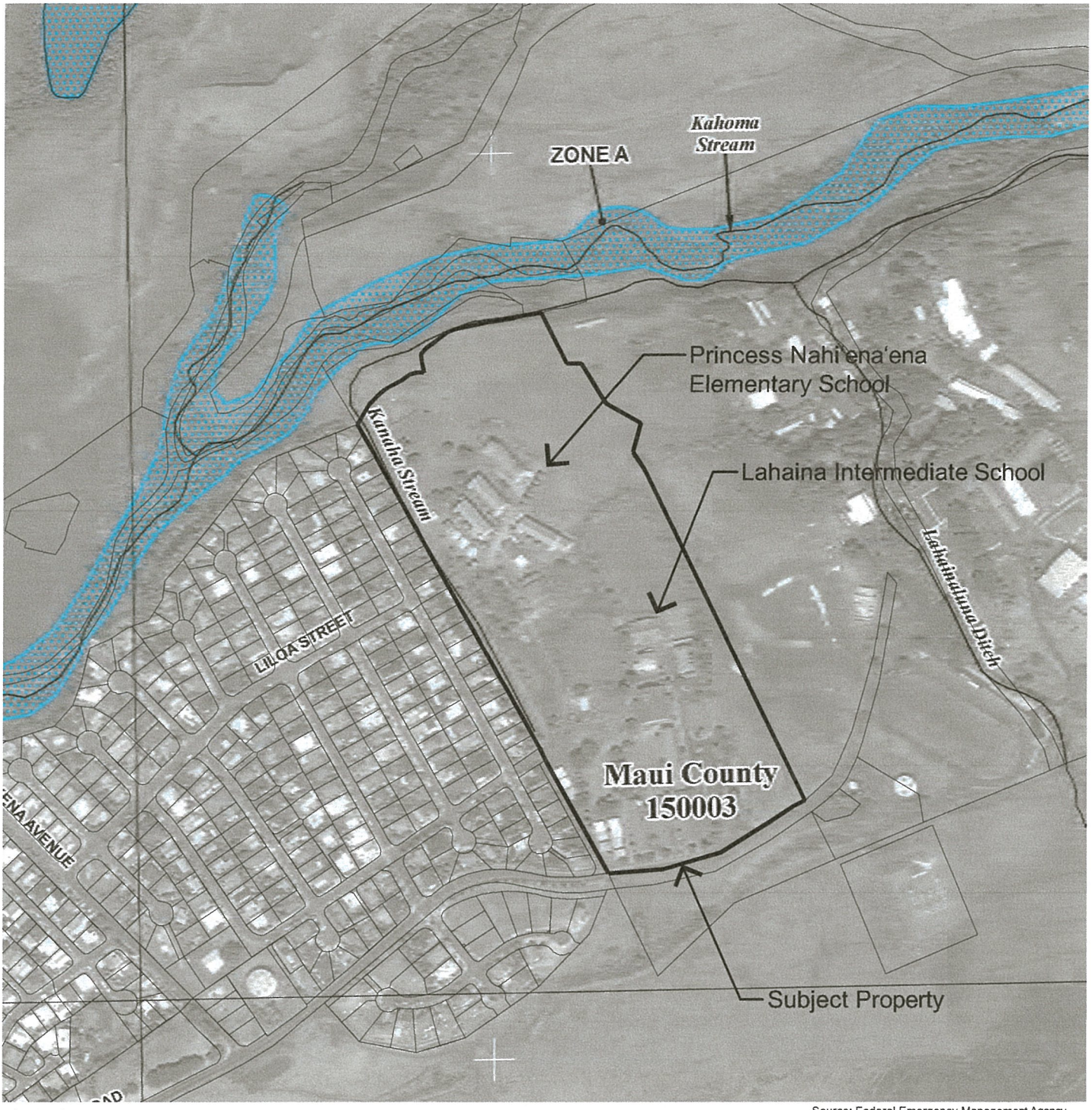
The site has been mass graded and surface historical features probably removed at the time of site work if any features were present. In addition, surface features were not observed protruding through the grassy landscape during a site reconnaissance for this assessment.

Prior environmental assessments prepared for school facilities do not mention the presence of archaeological features.

C. Land Use Controls

State Land Use District:	Urban (See Figure 11)
Maui Island Plan:	Inside Urban Growth Boundary
Community Plan:	West Maui
Community Plan Land Use Map:	Public/Quasi-Public ***(See Appendix B)***
Zoning:	Interim ***(See Appendix B)***
Lahaina Historic District:	Outside
Special Management Area:	Outside

The Maui Island Plan and West Maui Community Plan do not identify facility needs for individual schools (which is a State Department of Education function). Both plans, however,



Source: Federal Emergency Management Agency
Flood Insurance Rate Map
Map Number 1500030362F, Date: Sept. 19, 2012.

Legend

Special Flood Hazard Zone Subject to Inundation by the 1% Annual Chance Flood

- Zone A — No Base Flood Elevations Determined.
- Zone AE — Base Flood Elevation Determined.
- Zone VE — Coastal Flood Zone with Velocity Hazard (Wave Action); Base Flood Elevations Determined.

Other Areas

- Zone X — Areas Determined to be Outside the 0.2% Annual Chance Floodplain.

LINEAL SCALE (FEET)
250 125 0 125 250 500

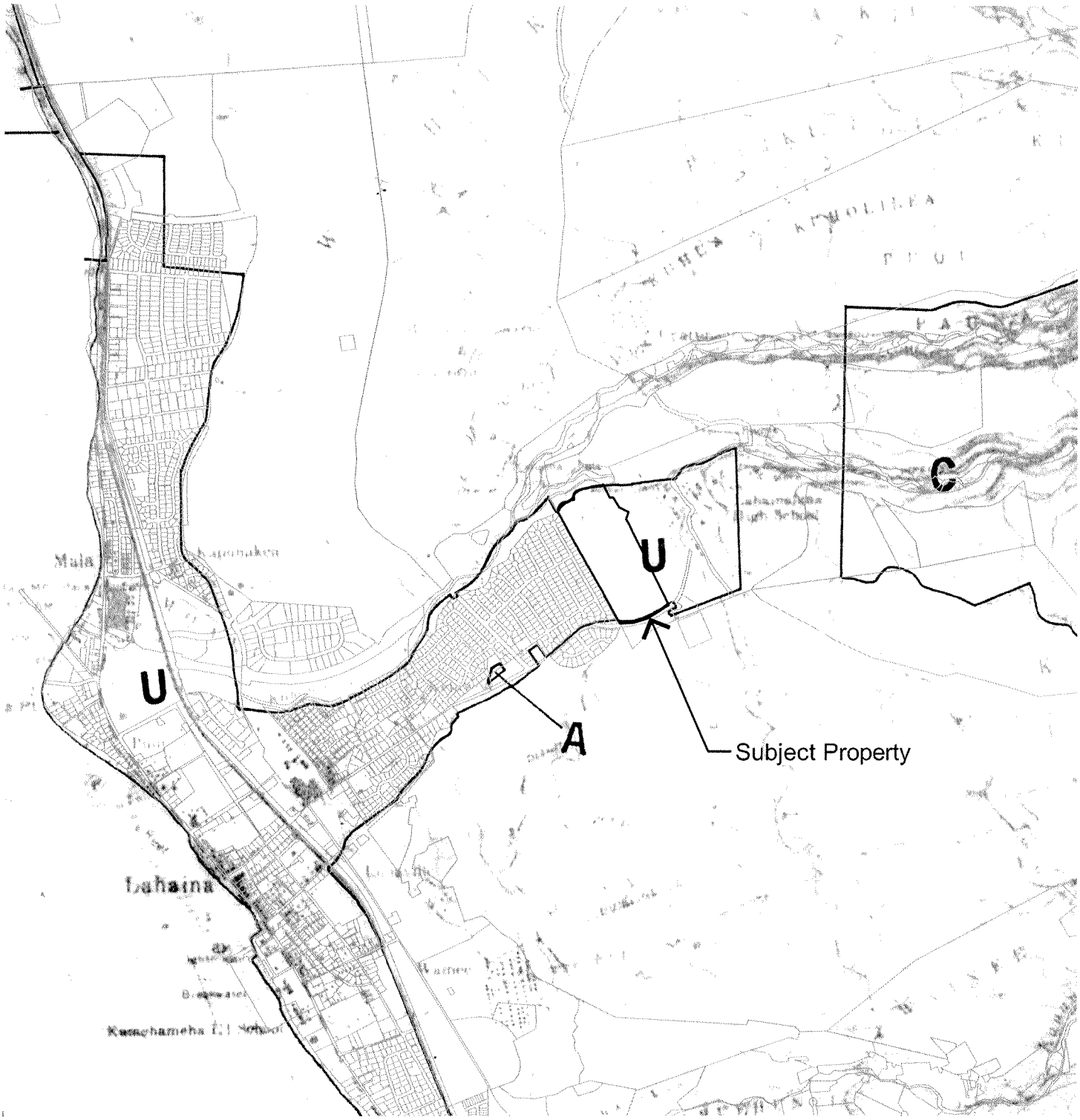
NORTH

Gerald Park
Urban Planner
August 2015

Figure 10
Flood Insurance Rate Map
Princess Nahi'ena'ena Elementary School Classroom Building

Pana'ewa, District of Lahaina, Maui, Hawai'i

Department of Education, State of Hawai'i



Legend

U	Urban
R	Rural
A	Agriculture
C	Conservation

Source: State of Hawaii, Land Use Commission, Lahaina (M-2) Quadrangle

LINEAL SCALE (FEET)
1000 500 0 500 1000 2000

NORTH

Gerald Park
Urban Planner
August 2015

Figure 11
State Land Use
Princess Nahi'ena'ena Elementary School Classroom Building

prescribe goals and policies for providing new school facilities to meet community needs, modernizing and expanding school facilities as needed, and maintaining a school's physical plant. Said prescriptions demonstrate county government and community support for assuring that communities have modern and well maintained facilities for students to achieve academic goals and as places for staff to work. Plan goals and objectives that are applicable to the proposed project are listed below.

Maui Island Plan

Goal 6.8: Maui will have school and library facilities that meet residents' needs and goals.

Policy 6.8.1.e: Encourage the State to upgrade, modernize, and expand school facilities, including those in remote communities

West Maui Community Plan

Education Objectives and Policies
1. Ensure adequate school facilities and educational opportunities within the region
2. Support the improvement and maintenance of existing school facilities.
3. Encourage the construction of permanent classroom facilities in place of portable facilities.

Implementing Actions
3. Monitor and when necessary, upgrade existing school facilities.

Elementary schools are a permitted use per the County of Maui Interim Zoning Provisions. The proposed classroom building will be constructed at an existing elementary school and is thus considered a permitted property use.

D. Public Facilities and Services

Water and wastewater lines under the central walkway provide to this section of the campus. Water (6") and wastewater (6" and 8") laterals will be extended to the new building from existing systems. ***The Department of Water Supply commented that the property is not served by a Department of Water Supply (DWS) meter.***

Non-potable water is not available at the school for irrigating landscaping and play fields.

Honoapi'ilani Highway, the major roadway through Lahaina, connects West Maui communities with communities in Central Maui to the east and South Maui to the south. From Honoapi'ilani Highway, the School is accessed via Lahainaluna Road and subdivision roads in the Kelawea Mauka residential subdivision.

The Lahaina Bypass Highway provides an alternate connection between Honoapi'ilani Highway and the School. The Bypass intersects Lahainaluna Road with on and off-ramps to/from Lahainaluna Road.

Except for a catch basin in the southeast corner drainage improvements were not observed in the project area. Drain inlets were observed at various locations on the school grounds.

A rock strewn earthen swale abuts the project area to the east (See Figure 1). The swale

intercepts runoff from unimproved land *mauka* and or receives runoff from Lahaina School. The swale drains in the direction of Kanaha Stream Gulch to the north. Random spot measurement shows the swale has a 14-foot top width, 7-foot bottom width, 3-foot high slope on the *makai* side, and about 1-foot on the *mauka* side. The swale is known to overflow onto the school grounds during heavy rain. Existing or pre-development discharge from the project area is estimated at 0.96 cfs.

Protective services originate from the Lahaina Police and Fire Stations located off Honoapi'ilani Highway about 3.5 miles northwest of the School.

3 SUMMARY OF POTENTIAL ENVIRONMENTAL IMPACTS AND MEASURES TO MITIGATE ADVERSE EFFECTS

The scope of the project was discussed with the consulting architect, members of the design team, and staff of the Project Management Branch, Department of Education. State and County agencies were contacted for information relative to their areas of expertise. Time was spent in the field noting site conditions and conditions in the vicinity of Princess Nahi'ena'ena Elementary School. The sum total of the consultations and field investigations helped to identify existing conditions and features that could affect or be affected by the project. These conditions include:

- The new building will be constructed on previously modified terrain;
- Observed on-site flora and fauna are common to the State of Hawai'i;
- There are no archaeological resources on the site or known cultural practices associated with the site;
- The School is not located in a flood hazard area;
- There are no streams, ponds, or wetlands on the premises;
- The existing water system can accommodate the proposed use; and
- The wastewater system can accommodate the proposed use.

A. Short-term Impacts

Site work, a necessary function to prepare the land for building temporary and permanent improvements is the first and probably the most disruptive construction activity on the environment. Approximately 1.95 acres will be grubbed and graded. Grubbing will remove vegetation and grading will establish preliminary and final design elevations. The few trees and shrubs on and around the building site will be tagged for disposition (left in place, relocated, or demolished).

Site work is a persistent source of fugitive dust. Site contractors are aware that fugitive dust is a nuisance to construction workers, people living and working near work sites, and in this instance school age children and staff. Because the project is proposed on school grounds, at an elevation higher than other school buildings, adjacent to classroom buildings (particularly Building E) and a nearby play field (at Lahainaluna Intermediate School), stringent dust control measures should be implemented.

Wainee clay poses a slight erosion hazard under normal conditions but dust generation can be magnified on windy days. Water sprinkling is probably the most effective dust control measure given the size of the building site and the scale of the proposed improvements. It is anticipated that dust screens will be erected around the site to minimize dust blowing to Building E and others campus buildings. The contractor also may choose to implement other measures and best management practices based on their experience with similar projects and job site conditions.

The contractor will be responsible for general housekeeping of the site and for keeping adjacent driveways and streets free of dirt, mud, and construction litter and debris. Pollution control measures shall comply with Chapter 60.1, Air Pollution Control regulations of the State Department of Health.

The building site is flat but higher in grade than adjoining areas. Site work will expose soil creating opportunities for erosion and construction-related runoff. Approximately 1.95 acres will be graded. Grading quantities are estimated at 6,060 cubic yards of excavation and 520 cubic yards of fill. Site work impacts can be mitigated by complying with Best Management Practices ("BMPs") specified in Chapter 20.08 of the Maui County Code for drainage, dust control, erosion, and sediment control. BMPs will be prepared for review and approval by the Department of Public Works and Environmental Management.

An NPDES permit for storm water runoff associated with construction activities will be required because more than one acre area will be disturbed during construction.

The Department of Water Supply offered measures for protecting ground and surface water sources and Best Management Practices to minimize infiltration and runoff from construction. The measures are listed below:

- ***Retain ground cover until the last possible date.***
- ***Disturb the smallest area possible.***
- ***Stabilize denuded areas by sodding or planting as soon as possible. Replanting should include soil amendments and temporary irrigation. Use high seeding raes to ensure rapid stand establishment.***
- ***Avoid fertilizers and biocides, or apply only during periods of low rainfall to minimize chemical run-off.***
- ***Prevent cement products, oil, fuel and other toxic substances from leaching into the ground.***
- ***Properly and promptly dispose of all loosened and excavated soil and debris material.***
- ***Keep run-off on site.***

Schools are considered noise sensitive facilities. Construction noise will be audible in classrooms and buildings adjoining the site but exposure is expected to vary in volume, frequency, and duration attributable to construction activity and equipment in use. Classroom Building "E" is located directly below the building site about 50 feet away. AT this distance construction noise can interfere with instruction and distract students and teachers. Construction barriers or and/or dust screens will be erected around the project area to aid in noise mitigation, dust control (with dust screens), and safety. Window mounted air conditioning units were observed at several classrooms in Classroom Building "E". Jalousie windows can be closed and the air conditioning units operated to minimize dust and noise from interfering with activities inside the classroom.

Noise will vary also by construction phase, the duration of each phase, and the type of equipment used during the different phases. For this project, noise will be most pronounced during the early stages when the site is grubbed, graded, and building foundation poured. Maximum sound levels in the range of 82-96 db(A) measured at 50 feet from the source would be generated by heavy machinery during site work. Noise will diminish as the structure is erected and roofed. Once the structure is completed, most construction activities will take place inside the building and the exterior walls will help to attenuate noise.

Community Noise Control regulations (Hawaii Administrative Rules Chapter 46) establish a

maximum permissible sound level for construction activities occurring within (acoustical) zoning districts. The school site is zoned Interim by the County of Maui and is not equivalent to the land uses for any of the (acoustical) zoning districts. For purposes of this Assessment, the school is considered to be a 'public space' and thus in the Class A zoning district. The maximum permissible daytime sound level for excessive noise sources (to include stationary noise sources and construction and industrial activities) in the Class A zoning district is 55 dBA from 7:00 AM to 10:00 PM (Ibid). Construction activities often produce noise in excess of the permissible daytime noise level and a variance (or Noise Permit) may be needed. The contractor will be responsible for obtaining the variance and complying with applicable conditions.

Construction will overlap into the school year and a time / work schedule will be developed in consultation with school administrators. With a projected April 2017 start-up it is anticipated that site work can be performed over the summer months when school is not is session. During this time period construction activities would preclude dust, noise, and construction vehicle traffic associated with site work from adversely affecting daily school activities and provide for the safety of students and school staff.

The project is proposed in an area that has been significantly altered by site work and construction activities as part of prior school development. Should excavation unearth subsurface archaeological sites, artifacts, or cultural deposits, work in the immediate area will cease and the proper authorities notified for disposition of the finds. If *iwi kupuna* are uncovered and appear to be less than 50 years old, the County of Maui Police Department will be notified. If the burials appear to be more than 50 years old, then the State Historic Preservation Officer will be notified. As a matter of protocol, both agencies will be notified for inspection and proper disposition of the finds.

The School and related facilities are less than 50 years old and thus not considered historic property.

The observed vegetation is not considered rare, threatened or endangered or proposed for that status.

The entry driveway to the School is the principal vehicle access onto the school grounds. The proposed building is located at the back of the school and work may, at times, temporarily conflict with traffic circulation. The project area may be accessed by a "jeep trail" between the back of the School and the play field at Lahainaluna Intermediate School. It has not yet been determined if the trail can be used for construction traffic access and if the ground can support construction traffic.

To minimize impacts traffic impacts, the contractor will:

- Post notices alerting drivers of scheduled work on and around the driveway;
- Position traffic cones or other directional devices to guide vehicles around work areas;
- Post flagmen for traffic control;
- Cover open trenches with steel plates during non-working hours and post safety devices with warning lights to alert motorists;
- Schedule work on or in the vicinity of the driveway to avoid student drop-off and pick- up times; and

- Coordinate construction and construction traffic with school administrators.

Vehicles carrying workers and material will contribute to traffic on Lahainaluna Road the main road between Honoapii'lani Highway and Lahaina town, the Lahaina Bypass Highway, residential streets near the school, and the School. Material deliveries will be scheduled during non-peak traffic hours to minimize impact on school and residential traffic.

A field office and base yard will be set up in the project area at a location to be determined. Material will be unloaded and stockpiled in the base yard. Construction equipment will be stored in the base yard and the yard secured after working hours.

B. Long-term Impacts

The primary benefit of the project is to provide needed classroom space for students enrolled at Princess Nahienaena Elementary School (when the new classroom building is opened in fall 2018) and the growth in enrollment of elementary school age children in the Lahaina community.

Ambient air quality should not be adversely affected in the long-term. The principal source of air pollution is expected to be exhaust emissions from vehicles entering and exiting the school grounds and not the new building. Emissions will be dispersed by the prevailing winds.

In general elementary schools are not significant noise generators. Noise associated with classroom use can be expected and confined to interior spaces by walls and doors. Sounds of students talking and laughing outside of the classroom are typical of elementary schools and should not be constantly audible in residential areas *makai* of the School.

Water demand will depend on usage and will vary every day. An average water load is estimated at 477.5 gallons per day (Response to Department of Water Supply Comment). Low flow fixtures and devices for faucets, toilets, and water closets will be installed.

The Wastewater Reclamation Division commented that system capacity (West Maui System) is available at this time but capacity cannot be ensured until the issuance of a building permit (Department of Environmental Management Comment).

Post-development storm water runoff is projected at 2.63 cubic feet per second (cfs) versus 0.96 cfs under existing conditions. The increase cannot be avoided given the future 'built' condition compared to the current undeveloped condition of the project area. Runoff will collected, detained in drain pipes, then controlled released (at the pre-development flow rate) to an existing catch basin. An overflow weir in the catch basin will allow higher storm event storm water to be released into an existing grassy drainage ditch.

Elevator sump water will pass through an oil-water separator where solids and pollutants will be removed. From the separator effluent will discharge into a rock filled, soil covered trench before infiltrating into the ground. The combination of oil-water separator and infiltration trench will minimize the introduction of oils and lubricants into the environment.

In anticipation of an increase in electrical consumption and to help offset the increase the

building has been sited so that classrooms can be cooled and ventilated by the natural trade wind and to promote natural lighting. The use of insulated materials for walls, energy efficient fixtures, and low-E glazed glass will also promote energy conservation.

The computer center and communication rooms will be air conditioned. All other rooms will be equipped with ceiling fans. Both actions will aid in energy conservation.

The new building will present a new object to be seen on campus. At two floors in height, it will be the same height as existing classroom buildings with similar roofing. Trees and shrubs planted near or alongside the building will "soften" its mass and add a vertical element to its form. It should not be visible from adjoining streets or residential areas because of its location at the back of the School. Over time, it will come to blend with the existing permanent classroom buildings and visual environment. ***Colored Building Perspectives have been added to the Final Environmental Assessment (Department of Planning Comment).***

Elementary schools are a permitted use in the Interim zoning district. Adding a classroom building to an existing permitted property use will not alter the character of surrounding areas, the zoning of adjacent properties, and the uses and zoning of the School property.

The new classroom building and associated improvements (such as landscaping) will be designed and built to "high performance" criteria incorporating sustainability features in design, construction, and operations. The project thus supports a State goal for fostering sustainability in new construction. HI-CHPS defines a high performance school "as having learning environments that are healthy and comfortable, energy resource and water efficient, safe, secure, and adaptable and easy to operate and maintain". In the long-run it is the students, educators, and parents that will determine if Princess Nahi'ena'ena Elementary School functions as a high performance school.

Building Perspective *Mauka* View

Building Perspective *Makai* View

4 ALTERNATIVES TO THE PROPOSED ACTION

A. No Action

The No Action Alternative would not achieve the objectives of the project. This objective would maintain the status quo of the building site thus precluding the occurrence of all environmental impacts short and long-term, beneficial and adverse described in this assessment.

B. Alternative Location

Three locations including the proposed location (Option B) were considered. Option A was to construct the building to the north of Classroom Building "C" above the existing playground. Option C proposed placing the building on the site of an existing playground between the Cafeteria and four portable classrooms. A fourth option was to replace four portable classrooms below Building A with a new permanent structure. Replacing four portable classrooms would reduce the number of classrooms and would run counter to the objectives of the project.

The consulting architect, Department of Education Project Management Staff, and School administrators selected Option B. Cost, disruption to the school campus, and accessibility to the new building were factors leading to the selection of Option B.

Environmental impacts at the other two locations should not be significantly different from impacts disclosed in this Assessment. However, for Option C construction noise and fugitive dust would probably be more pronounced on classroom instruction and Cafeteria functions and uses because of its location.

5 PERMITS AND APPROVALS

Permits required for the project and responsible authorities are identified below. Additional permits and approvals may be required depending on final construction plans.

State of Hawai'i

Department of Health

NPDES General Permit
Disability and Communication Access Board (Facility Access Review)
Variance from Pollution Controls (Noise Permit)

Department of Land and Natural Resources

Historic Site Review (Chapter 6E)

County of Maui

Department of Public Works

Building Permit
Grading and Grubbing Permit
Certificate of Occupancy

Department of Water Supply

Temporary Water Permit (To Be Determined)

Fire Department

Fire Protection (Fire Sprinkler Plans)

6 AGENCIES AND ORGANIZATIONS CONSULTED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

The Draft Environmental Assessment for the Princess Nahi'ena'ena Elementary School Classroom Building was published in the Office of Environmental Quality Control Environmental Notice of April 8, 2016. Publication commenced a 30-day public review period ending on May 9, 2016. The Draft Environmental Assessment was mailed to the agencies and organizations identified below. An asterisk * identifies agencies and organizations that submitted written comments during the review period. All comment letters and responses are found in Appendix B.

State of Hawai'i
- Department of Health
  - *Environmental Planning Office
  - ***Maui District Health Office***
  - ***Clean Water Branch***
- Department of Land and Natural Resources
  - Historic Preservation Division

County of Maui
- *Department of Environmental Management
- *Department of Parks and Recreation
- *Department of Public Works
- *Department of Water Supply
- *Planning Department
- *Police Department
- *Fire and Public Safety

Others
- Maui Electric Company, Inc.
- Lahaina Public Library (Placement)

7 DETERMINATION OF SIGNIFICANCE

Chapter 200 (Environmental Impact Statement Rules) of Title 11, Administrative Rules of the State Department of Health, establishes criteria for determining whether an action may have significant effects on the environment (§11-200-12). The relationship of the proposed project to these criteria is discussed below.

1) **Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;**

   The loss or destruction of natural and cultural resources is not expected since said resources are not present on or associated with the project area.

2) **Curtails the range of beneficial uses of the environment;**

   The project does not curtail the beneficial uses of the environment. There is a need for additional classrooms at the School to accommodate a growing elementary school age population. The project area is vacant and already has been modified. Construction of school facilities is considered a beneficial use of the unused (or underused) environment.

3) **Conflicts with the state's long-term environmental policies or goals and guidelines as expressed in chapter 344, Hawaii Revised Statutes, and any revisions thereof and amendments thereto, court decisions or executive orders;**

   The project does not conflict with long-term environmental policies, goals, and guidelines of the State of Hawaii.

4) **Substantially affects the economic or social welfare of the community or State;**

   The project will not substantially affect the economic or social welfare of the State. In the long-term the project will provide space to accommodate elementary school students already enrolled at the school (those moving up in grade when the project is completed), soon to be enrolled elementary school students in the community, and projected enrollment increases resulting from population growth in elementary school age children residing in the Lahaina area.

5) **Substantially affects public health;**

   Short-term environmental impacts in the form of fugitive dust, noise from construction equipment, and minor erosion can be expected. These impacts will be mitigated by measures described in this Assessment and measures, such as BMPs for erosion control, to be submitted with construction plans and documents.

   Building materials to be used will not expose students and teachers to public health hazards.

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

Population changes and effects on public facilities are not anticipated as a result of the project.

7) **Involves a substantial degradation of environmental quality;**

The project area was previously altered by grubbing and grading associated with initial construction of the school and subsequent expansion and facility construction over time. It is argued that environmental quality of the school grounds was most impacted at that time and the proposed classroom building will not substantially degrade environmental quality of the built environment.

The vacant project area provides environmental benefits as open space and the dry grass aids in retarding erosion. The site, however, is unusable and not used for school activities at this time.

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

Construction and long-term facility use will not result in significant adverse short and long-term environmental impacts or involve a commitment for a larger action.

9) **Substantially affects a rare, threatened or endangered species, or its habitat;**

Rare, threatened or endangered flora and fauna are not found on the building site or on the school grounds.

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

Ambient air quality will be affected by fugitive dust and combustion emissions during construction but can be controlled by measures stipulated in this Assessment. Construction noise may be pronounced during site preparation work but should diminish once the structural improvements are completed. All construction activities will comply with air quality and noise pollution regulations of the State Department of Health.

Erosion control measures will be prescribed in grading plans and best management practices prepared for the project.

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

The classroom building is not located in an environmentally sensitive area.

12) **Substantially affects scenic vistas and view planes identified in county or state plans or studies, or,**

Princess Nahi'ena'ena Elementary School and its immediate environs are neither identified as a visual resource nor located within scenic vistas or view planes identified in

county or state plans. Over time, the new building's scale, mass, and height will visually and physically blend with existing classroom buildings at the school.

13) Requires substantial energy consumption.

Energy consumption is anticipated to increase but prudent site planning, the use of energy efficient fixtures, sustainable architectural design, and energy conserving building materials should help offset some of the increase and promote energy conservation.

REFERENCES

County of Maui, Planning Department, Long Range Division. No Date. *Maui Island Plan General Plan 2030.* Adopted as Ordinance No. 4004. Effective Date December 28, 2012. Prepared for the People of Maui.

Department of Education, State of Hawai'i. 2015. *Official Enrollment Count, Hana-Lahainaluna-Lanai-Molokai Complex Area.*

Department of Education, State of Hawai'i. December 2006. *Department of Education Facilities Inventory System Comprehensive Report. Princess Nahienaena Elementary School.*

Department of Geography, University of Hawai'i at Hilo. 1998. *Atlas of Hawai'i Third Edition.* University of Hawai'i Press. Honolulu.

Department of Land and Natural Resources, Engineering Division, State of Hawaii. September 2012. *Flood Hazard Assessment Report.* Community Panel 1500030362F.

Design Partners, Inc. 2015. *Project Plans Nahienaena Elementary School Classroom Building.* Prepared for Department of Education, State of Hawai'i.

Maui County Council. No Date. West Maui Community Plan (1996).

Mink, John F. and L. Stephen Lau. February 1990. *Aquifer Identification and Classification for Maui: Groundwater Protection Strategy for Hawai'i.* Technical Report No. 185. Water Resources Research Center, University of Hawaii at Manoa.

Park, Gerald Urban Planner. April 2015. *Field Observation.*

U.S. Department of Agriculture, Soil Conservation Service. August 1972. *Soil Survey Report for Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii.* In Cooperation with the University of Hawaii Agricultural Experiment Station.

APPENDIX A
ZONING AND FLOOD CONFIRMATION FORM

COUNTY OF MAUI
DEPARTMENT OF PLANNING
One Main Plaza Building
2200 Main Street, Suite 315
Wailuku, Hawaii 96793

Zoning Administration and
Enforcement Division (ZAED)
Telephone: (808) 270-7253
Facsimile: (808) 270-7634
E-mail: planning@mauicounty.gov

ZONING AND FLOOD CONFIRMATION FORM

(This section to be completed by the Applicant)

APPLICANT NAME Garrett Park TELEPHONE 808.625.9624

PROJECT NAME Princess Nahienaena ES E-MAIL gpark@gpup.biz

PROPERTY ADDRESS _____ TAX MAP KEY 4-6-018:013

☐ Yes ☑ No **Will this Zoning & Flood Confirmation Form be used with a Subdivision Application?**
IF YES, answer questions A and B below and comply with instructions 2 & 3 below:

A) ☐ Yes ☐ No **Will it be processed under a consistency exemption from** Section 18.04.030(B), MCC**?**
IF YES, which exemption? (No. 1, 2, 3, 4 or 5) _____

B) State the purpose of subdivision and the proposed land uses (*ie 1-lot into 2-lots for all land uses allowed by law*):

INSTRUCTIONS:
1) **Please use a separate Zoning & Flood Confirmation Form for each Tax Map Key (TMK) number.**
2) **If this will be used with a subdivision application AND the subject property contains multiple districts/designations of (1) State Land Use Districts, (2) Maui Island Plan Growth Boundaries, (3) Community Plan Designations, or (4) County Zoning Districts; submit a signed and dated Land Use Designations Map, prepared by a licensed surveyor, showing the metes & bounds of the subject parcel and of each district/designation including any subdistricts.**
3) **If this will be used with a subdivision application AND the subject property contains multiple State Land Use Districts; submit an approved District Boundary Interpretation from the State Land Use Commission.**

(This section to be completed by ZAED)

LAND USE DISTRICTS/DESIGNATIONS (LUD) AND OTHER INFORMATION: [1]

☐ (SMA) Special Management Area

STATE DISTRICT: ☑ Urban ☐ Rural ☐ Agriculture ☐ Conservation

MAUI ISLAND PLAN
Growth Boundary: [2] ☑ Urban ☐ Small Town ☐ Rural ☐ Planned Growth Area ☐ Outside Growth Boundaries
Protected Area: [2] ☐ Preservation ☐ Park ☐ Greenbelt ☐ Greenway ☐ Sensitive Land ☑ Outside Protected Areas

COMMUNITY PLAN: [2] P/SP

COUNTY ZONING: INTERIM

OTHER/COMMENTS:

☐ (PD) Planned Development
☐ (PH) Project District
☑ See Additional Comments (Pg.2)
☐ See Attached LUD Map

FEMA FLOOD INFORMATION:

FLOOD HAZARD AREA ZONES & BASE FLOOD ELEVATIONS: [3] X

☐ FEMA DESIGNATED FLOODWAY For Flood Zone AO, FLOOD DEPTH:

☐ FLOOD DEVELOPMENT PERMIT REQUIRED (Zones V, VE, A, AO, AE, AH, D, & Floodways)

SUBDIVISION LAND USE CONSISTENCY: ☐ Not Consistent, (LUDs appear to have NO permitted uses in common).

_____ (Signature) ☐ Not Applicable, (Due to processing under consistency exemption No. ☐1, ☐2, ☐3, ☐4, ☐5).

☐ Interim Zoning, (The parcel or portion of the parcel that is zoned interim shall not be subdivided).

☐ [4] Consistent, (LUDs appear to have ALL permitted uses in common).

☐ [4] Consistent, upon obtaining an SMA, PD, or PH subdivision approval from Planning.

☐ [4] Consistent, upon recording a permissible uses unilateral agreement processed by Public Works (See Pg.2).

NOTES:

1 The conditions and/or representations made in the approval of a State District Boundary Amendment, Community Plan Amendment, County Change In Zoning, SMA Permit, Planned Development, Project District and/or a previous subdivision, may affect building permits, subdivisions, and uses on the land.

2 Please review the Maui Island Plan and the Community Plan document for any goals, objectives, policies or actions that may affect this parcel.

3 Flood development permits might be required in zones X and XS for any work done in streams, gulches, low-lying areas, or any type of drainageway; Flood development permits are required for work in all other zones. Subdivisions that include/adjoin streams, gulches, low-lying areas, or any type of drainageway might require the following designations to be shown on the subdivision map: 100-year flood inundation limits; base flood elevations; drainage reserves.

4 Subdivisions will be further reviewed during the subdivision application process to verify consistency, unilateral agreement requirements, and the conditions associated with a unilateral agreement [Section 18.04.030.D, Maui County Code].

REVIEWED & CONFIRMED BY:

_____ (Signature) 5/12/15 (Date)

For: John S. Rapacz, Planning Program Administrator, Zoning Administration and Enforcement Division

COUNTY OF MAUI
DEPARTMENT OF PLANNING
One Main Plaza Building
2200 Main Street, Suite 335
Wailuku, Hawaii 96793

Zoning Administration and
Enforcement Division (ZAED)
Telephone: (808) 270-7253
Facsimile: (808) 270-7634
E-mail: planning@mauicounty.gov

ZONING AND FLOOD CONFIRMATION FORM
(continued)

FOR COUNTY USE ONLY *(To be completed by ZAED)*

PROPERTY ADDRESS _____ **TAX MAP KEY** (2) 4601801 3

ADDITIONAL COMMENTS

SMALL PART OF PROPERTY IN KANAHA STREAM.

REVIEWED & CONFIRMED BY: (*This page will only be signed and included as part of the Zoning & Flood Confirmation Form, if there are additional comments above*)

_____ 5/12/15
(Signature) (Date)

For: John S. Rapacz, Planning Program Administrator, Zoning Administration and Enforcement Division

APPENDIX B
COMMENT LETTERS AND RESPONSES

ALAN M. ARAKAWA
Mayor
STEWART STANT
Director
MICHAEL M. MIYAMOTO
Deputy Director

MICHAEL RATTE
Solid Waste Division
ERIC NAKAGAWA, P.E.
Wastewater Reclamation Division

received
4.16.2016

COUNTY OF MAUI
DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
2050 MAIN STREET, SUITE 2B
WAILUKU, MAUI, HAWAII 96793

April 13, 2016

Mr. Gerald Park
Gerald Park Urban Planner
95-595 Kanamee Street, #324
Mililani, Hawaii 96789

SUBJECT: PRINCESS NAHIENAENA ELEMENTARY SCHOOL
CLASSROOM BUILDING
DRAFT ENVIRONMENTAL ASSESSMENT
TMK (2) 4-6-018:013, LAHAINA, MAUI

We reviewed the subject application and have the following comments:

1. Solid Waste Division comments:

    a. The contractor must apply to the Central Maui Landfill to dispose of construction waste and obtain a project number. Information is available at www.mauicounty.gov or from the web with the inquiry, "Maui County C&D."

2. Wastewater Reclamation Division (WWRD) comments:

    a. Although wastewater system capacity is currently available as of the date of this letter, the developer should be informed that wastewater system capacity cannot be ensured until the issuance of the building permit.
    b. Wastewater contribution calculations are required before building permit is issued.
    c. Developer is not required to pay assessment fees for this area at the current time.
    d. If an elevator sump will be constructed, the sump shall not be connected to the wastewater system.
    e. Non-contact cooling water and condensate should not drain to the wastewater system.

If you have any questions regarding this letter, please contact Michael Miyamoto at 270-8230.

Sincerely,

MICHAEL M. MIYAMOTO
Director of Environmental Management

GERALD PARK
Urban Planner

Planning
Land Use
Research
Environmental
Studies

95-595 Kanamee St.
#324
Mililani, Hawaii
96789

Telephone:
(808) 625-9626
e-mail:
gpark@gpup.biz

August 3, 2016

Michael M. Miyamoto, Director
Department of Environmental Management
County of Maui
2015 Main Street, Suite 2B
Wailuku, Maui, Hawai'i 96793

Dear Director Miyamoto:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i

Thank you for reviewing the Draft Environmental Assessment for the Subject project. We offer the following responses to your comments in the order they were presented.

1. Solid Waste Division

    a. Application will be submitted to dispose of construction waste at the Central Maui Landfill.

2. Wastewater Reclamation Division

    a. Thank you confirming that wastewater system capacity is available for the proposed classroom building. It is understood that system capacity cannot be ensured until a building permit is issued.
    b. Wastewater calculations will be submitted as part of the Building Permit application.
    c. Thank you for informing us that an assessment fee is not required.
    d. The elevator pit will drain into a Sand Oil Interceptor before discharging into the sanitary system.
    e. Non-contact cooling water and condensate will not drain to the wastewater system.

The participation of the Department of Environmental Management in the environmental assessment process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

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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 16-128

April 13, 2016

received
4.14.2016

Mr. Gerald Park
Urban Planner
95-595 Kanamee Street, #324
Mililani, Hawaii 96789
Email: gpark@gpup.biz

Dear Mr. Park:

SUBJECT: Draft Environmental Assessment (DEA) for Princess Nahienaena Elementary School Classroom Building, Panaewa, District of Lahaina, Maui
TMK: 4-6-018-013 por

The Department of Health (DOH), Environmental Planning Office (EPO), acknowledges receipt of your DEA to our office via the OEQC link:
http://oeqc.doh.hawaii.gov/Shared%20Documents/EA_and_EIS_Online_Library/Maui/2010s/2016-04-08-MA-5B-DEA-Princess-Nahienaena-Elementary%20School.pdf

EPO strongly recommends that you review the standard comments and available strategies to support sustainable and healthy design provided at: http://health.hawaii.gov/epo/landuse. Projects are required to adhere to all applicable standard comments. EPO has recently updated the environmental Geographic Information System (GIS) website page. It now compiles various maps and viewers from our environmental health programs. The eGIS website page will be continually updated so please visit it regularly at: http://health.hawaii.gov/epo/egis.
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.

We suggest you review the requirements for the National Pollutant Discharge Elimination System (NPDES) permit. We recommend contacting the Clean Water Branch at (808) 586-4309 or cleanwaterbranch@doh.hawaii.gov after relevant information is reviewed at:
1. http://health.hawaii.gov/cwb
2. http://health.hawaii.gov/cwb/site-map/clean-water-branch-home-page/standard-npdes-permit-conditions
3. http://health.hawaii.gov/cwb/site-map/clean-water-branch-home-page/forms

EPO also suggests that the Hazard Evaluation and Emergency Response (HEER) Office's Site Discovery and Response (SDAR) Section be contacted. The SDAR section protects human health and the environment by identifying, investigating, and remediating sites contaminated with hazardous substances (non-emergency site investigations and cleanup). The HEER Office's SDAR Section can be contacted at: (808) 586-4249. For historical maps on lands where sugarcane was grown see: http://health.hawaii.gov/epo/egis/sugarcane

You may also wish to review the draft Office of Environmental Quality Control (OEQC) viewer at: http://eha-web.doh.hawaii.gov/oeqc-viewer. This viewer geographically shows where some previous Hawaii Environmental Policy Act (HEPA) {Hawaii Revised Statutes, Chapter 343} documents have been prepared.

In order to better protect public health and the environment, the U.S. Environmental Protection Agency (EPA) has developed a new 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://www2.epa.gov/ejscreen.

We request that you utilize all of this information on your proposed project to increase sustainable, innovative, inspirational, transparent and healthy design.

Mahalo nui loa,

Laura Leialoha Phillips McIntyre, AICP
Program Manager, Environmental Planning Office

LM:nn

Attachment 1: EPO Draft Environmental Health Management Map
Attachment 2: CWB: Water Quality Standards Map
Attachment 3: WWB: Recycled Water Use Map
Attachment 4: Historic Sugarcane Map
Attachment 5: OEQC Viewer Map of Project Area
Attachment 6: U.S. EPA EJSCREEN Report for Project Area

c: Janna Mihara, DOE {via email: Janna_mihara@notes.K12.hi.us}
DOH: DHO Maui, CWB {via email only}

GERALD PARK
Urban Planner

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Mililani, Hawaii
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August 3, 2016

Laura Leialoha Phillips McIntyre, AICP
Program Manager, Environmental Planning Office
State of Hawai'i
Department of Health
PO Box 3378
Honolulu, Hawai'i 96801-1378

Dear Ms. Mcintyre:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i
EPO 16-128

Thank you for your April 13, 2016 letter regarding the Subject project. We offer the following responses to your comments in the order they were presented.

Your comments have been forwarded to the prime consultant for distribution to the different disciplines comprising the design team. Each discipline will be responsible for reviewing and complying with DOH standard comments applicable to the respective discipline.

National Pollution Discharge Elimination System (NPDES) permit coverage will be required because the project area exceeds 1.0 acre. Application for either a NPDES general permit or individual permit will be submitted to the Clean Water Branch, Department of Health.

Thank you for the information about the EPA EJSCREEN.

The participation of the Department of Environmental Management in the environmental assessment process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

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DAVID Y. IGE
GOVERNOR OF HAWAII

STATE OF HAWAII
DEPARTMENT OF HEALTH
MAUI DISTRICT HEALTH OFFICE
54 HIGH STREET
WAILUKU, HAWAII 96793-3378

VIRGINIA PRESSLER, M.D.
DIRECTOR OF HEALTH

LORRIN W. PANG, M.D., M.P.H.
DISTRICT HEALTH OFFICER

received
4-21-2016

April 19, 2016

Ms. Janna Mihara
State of Hawaii
Department of Education
Project Management Section
4680 Kalanianaole Highway, TB1A
Honolulu, Hawaii 96821

Dear Ms. Mihara:

Subject: **Princess Nahi'ena'ena Elementary School Classroom Building DEA (AFNSI)**
TMK: (2) 4-6-018:013 por.

Thank you for the opportunity to review this project. We have the following comments to offer:

1. National Pollutant Discharge Elimination System (NPDES) permit coverage may be required for this project. The Clean Water Branch should be contacted at 808 586-4309.

2. The noise created during the construction phase of the project may exceed the maximum allowable levels as set forth in Hawaii Administrative Rules, Chapter 11-46, "Community Noise Control." A noise permit may be required and should be obtained before the commencement of work. Please call the Indoor & Radiological Health Branch at 808 586-4700.

It is strongly recommended that the Standard Comments found at the Department's website: http://health.hawaii.gov/epo/home/landuse-planning-review-program/ be reviewed and any comments specifically applicable to this project should be adhered to.

Should you have any questions, please contact me at 808 984-8230.

Sincerely,

Patti Kitkowski

Patti Kitkowski
District Environmental Health Program Chief

c EPO
Gerald Park

GERALD PARK
Urban Planner

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95-595 Kanamee St.
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Mililani, Hawaii
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Telephone:
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gpark@gpup.biz

August 3, 2016

Patti Kitkowski,
District Environmental Health Program Chief
State of Hawai'i
Department of Health, Maui District Health Office
54 High Street
Wailuku, Maui, Hawai'i 96793

Dear Ms. Kitkowski:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i

Thank you for your April 19, 2016 letter regarding the Subject project. We offer the following responses to your comments in the order they were presented.

1. NPDES Permit

The project area exceeds 1.0 acre and NPDES permit coverage will be required during construction.

2. Noise

Construction-related noise is anticipated to exceed the maximum allowable noise levels allowable for public uses (e.g. public school). The general contractor will apply for a Noise Permit prior to commencing construction.

The participation of the Department of Environmental Management in the environmental assessment process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

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DAVID Y. IGE
GOVERNOR OF HAWAII

VIRGINIA PRESSLER, M.D.
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STATE OF HAWAII
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P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
EMD/CWB

04053PNN.16

April 27, 2016

received
4. 27. 2016
via e-mail

Ms. Janna Mihara
Project Coordinator
Department of Education
Project Management Section
4680 Kalanianaole Highway, TB1A
Honolulu, Hawaii 96821

Dear Ms. Mihara:

SUBJECT: Comments on the Draft Environmental Assessment for the Princess Nahienaena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Panaewa, District of Lahaina, Island of Maui, Hawaii

The Department of Health (DOH), Clean Water Branch (CWB), acknowledges receipt of your transmittal, dated March 16, 2016, requesting comments on the subject project. The DOH-CWB has reviewed the subject document and offers these comments. Please note that our review is based solely on the information provided in the subject document and its compliance with the Hawaii Administrative Rules (HAR), Chapters 11-54 and 11-55. You may be responsible for fulfilling additional requirements related to our program. We recommend that you also read our standard comments on our website at: http://health.hawaii.gov/epo/files/2013/05/Clean-Water-Branch-Std-Comments.pdf.

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

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

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

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

2. You may be required to obtain National Pollutant Discharge Elimination System (NPDES) permit coverage for discharges of wastewater, including storm water runoff, into State surface waters (HAR, Chapter 11-55).

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

3. If your project involves work in, over, or under waters of the United States, it is highly recommended that you contact the Army Corp of Engineers, Regulatory Branch (Tel: 835-4303) regarding their permitting requirements.

   Pursuant to Federal Water Pollution Control Act [commonly known as the "Clean Water Act" (CWA)], Paragraph 401(a)(1), a Section 401 Water Quality Certification (WQC) is required for "[a]ny applicant for Federal license or permit to conduct any activity including, but not limited to, the construction or operation of facilities, which may **result** in any discharge into the navigable waters..." (emphasis added). The term "discharge" is defined in CWA, Subsections 502(16), 502(12), and 502(6); Title 40 of the Code of Federal Regulations, Section 122.2; and HAR, Chapter 11-54.

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

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

   a. Treat storm water as a resource to be protected by integrating it into project planning and permitting. Storm water has long been recognized as a source of irrigation that will not deplete potable water resources. What is often overlooked is that storm water recharges ground water supplies and feeds streams and estuaries; to ensure that these water cycles are not disrupted, storm water cannot be relegated as a waste product of impervious surfaces. Any project planning must recognize storm water as an asset that sustains and protects

natural ecosystems and traditional beneficial uses of State waters, like community beautification, beach going, swimming, and fishing. The approaches necessary to do so, including low impact development methods or ecological bio-engineering of drainage ways must be identified in the planning stages to allow designers opportunity to include those approaches up front, prior to seeking zoning, construction, or building permits.

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

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

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

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

If you have any questions, please visit our website at:
http://health.hawaii.gov/cwb, or contact the Engineering Section, CWB, at (808) 586-4309.

Sincerely,

Danny Lau THRU

ALEC WONG, P.E., CHIEF
Clean Water Branch

NN:ak

c: DOH-EPO #16-128 [via e-mail Noella.Narimatsu@doh.hawaii.gov only]
Mr. Gerald Park [via e-mail gpark@gpup.biz only]

GERALD PARK
Urban Planner

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95-595 Kanamee St.
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Mililani, Hawaii
96789

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August 3, 2016

Alec Wong, P.E., Chief
Clean Water Branch
State of Hawai'i
Department of Health
PO Box 3378
Honolulu, Hawai'i 96801-378

Dear Mr. Wong:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i
040453PNN.16

Thank you for your letter of April 27, 2016 regarding the Subject project. The following responses to your comments are offered in the order they were presented.

1. The Department of Education will comply with water quality standards and criteria cited in your comment.

2. National Pollution Discharge Elimination System (NPDES) permit coverage will be required because the project area exceeds 1.0 acre. Application for either a NPDES general permit or individual permit will be submitted to the Clean Water Branch, Department of Health.

3. Work is not proposed in, over, or under waters of the United States.

4. It is anticipated that construction work and activities associated with maintaining and operating the building in the long-term will comply with State Water Quality Standards.

5. The five planning prescriptions for protecting, restoring, and sustaining water quality and beneficial uses of State waters have been distributed to the Architect-Engineer team for consideration and application in their respective approach and design solutions.

The participation of the Clean Water Branch in the environmental assessment process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

ALAN M. ARAKAWA
Mayor

DAVID C. GOODE
Director

ROWENA M. DAGDAG-ANDAYA
Deputy Director

Telephone: (808) 270-7845
Fax: (808) 270-7955

COUNTY OF MAUI
DEPARTMENT OF PUBLIC WORKS
200 SOUTH HIGH STREET, ROOM NO. 434
WAILUKU, MAUI, HAWAII 96793

May 2, 2016

GLEN A. UENO, P.E., P.L.S.
Development Services Administration

CARY YAMASHITA, P.E.
Engineering Division

LESLI L. OTANI, P.E., L.S.
Highways Division

received
5-7-16

Mr. Gerald Park
GERALD PARK URBAN PLANNER
95-595 Kanamee Street, #324
Mililani, Hawaii 96789

Dear Mr. Park:

SUBJECT: PRINCESS NAHI'ENA'ENA ELEMENTARY SCHOOL CLASSROOM BUILDING; TMK: (2) 4-6-018:013 (POR.)

We reviewed the subject application and have the following comments:

Comments from the Engineering Division:

1. The applicant shall be responsible for all required improvements as required by Hawaii Revised Statutes, Maui County Code, and rules and regulations.

2. As applicable, construction plans shall be designed in conformance with Hawaii Standard Specifications for Road and Bridge Construction dated 2005 and Standard Detail for Public Works Construction, 1984, as amended.

3. As applicable, worksite traffic-control plans/devices shall conform to "manual on Uniform Traffic Control Devices for Streets and Highways", 2003.

Please call Rowena M. Dagdag-Andaya at (808) 270-7845 if you have any questions regarding this letter.

Sincerely,

DAVID C. GOODE
Director of Public Works

DCG:RMDA:da
xc: Highways Division
Engineering Division
S:\DSA\Engr\CZM\Draft Comments\46018013_princess_nah'iena'ena_elem_sch_clssrm_bldg_dea.wpd

GERALD PARK
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August 3, 2016

David C. Goode, Director
Department of Public Works
County of Maui
200 South High Street, Room No. 434
Wailuku, Maui, Hawai'i 96793

Dear Director Goode:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i

Thank you for your letter of May 2, 2016 commenting for the Subject project. We offer the following responses to your comments in the order they were presented.

1. Proposed improvements will comply with the requirements of Hawaii Revised Statutes and the Maui County Code.
2. As applicable, the Department of Education will be responsible for improvements as required by the cited standard specifications and details.
3. Work is not proposed within State or County rights-of-way. Should work or re-routing traffic within a right-of-way be necessary, the contractor will prepare and submit a Traffic Control Plan to the Department of Public Works for review and approval.

The participation of the Department of Public Works in the environmental assessment review process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

ALAN M. ARAKAWA
Mayor

KA'ALA BUENCONSEJO
Director

BRIANNE L. SAVAGE
Deputy Director

DEPARTMENT OF PARKS & RECREATION
700 Hali'a Nakoa Street, Unit 2, Wailuku, Hawaii 96793

(808) 270-7230
FAX (808) 270-7934

received
5.12.16

May 5, 2016

Gerald Park
Gerald Park Urban Planner
95-595 Kanamee St #324
Mililani, HI 96789

Dear Mr. Park:

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT FOR PRINCESS NAHI'ENA'ENA ELEMENTARY SCHOOL CLASSROOM BUILDING, TMK (2) 4-6-018:013 POR, PANA'EWA, DISTRICT OF LAHAINA, MAUI, HAWAI'I

Thank you for the opportunity to review and comment on the Draft Environmental Assessment for the Princess Nahi'ena'ena Elementary School Classroom Building for the Department of Education. The Department of Parks and Recreation has no comments on the proposed action at this time but would like to review the project as it develops. Please provide a copy of the final Environmental Assessment.

Feel free to contact me or Robert Halvorson, Chief of Planning and Development, at 270-7387, should you have any questions.

Sincerely,

KA'ALA BUENCONSEJO
Director of Parks and Recreation

c: Robert Halvorson, Chief of Planning and Development

KB:RH:as

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August 3, 2016

Ka'ala Buenconsejo, Director
Department of Parks and Recreation
County of Maui
700 Hali'a Nakoa Street, Unit 2
Wailuku, Hawai'i 96793

Dear Director Buenconsejo:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i

Thank you for your letter of May 5, 2016 regarding the Subject project. From your letter it is understood that you have no comments on the project at this time. Correspondence from the Department of Parks and Recreation will be included in the Final Environmental Assessment.

A copy of the Final Environmental Assessment will be provided as requested.

The participation of the Department of Parks and Recreation in the environmental assessment review process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

ALAN M. ARAKAWA
Mayor

DAVID TAYLOR, P.E.
Director

PAUL J. MEYER
Deputy Director

DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI
200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793-2155
www.mauiwater.org

received
5.13.16
via email

May 9, 2016

Mr. Gerald Park
Mr. Gerald Park Urban Planner
95-5985 Kanamee St., #324
Mililani, Hawaii 96789

Re: TMK: (2) 4-6-018:013 (por.)
Project Name: Proposed Princess Nahi'ena'ena Elementary School Classroom Building
Draft Environmental Assessment (DEA)

Dear Mr. Park:

Thank you for the opportunity to comment on this Draft Environmental Assessment (DEA).

Source Availability and System Infrastructure
The DEA should identify sources and potable and non-potable demand for the proposed two story classroom building. The property is not served by a Department of Water Supply (DWS) meter. The applicant proposes to construct a two story building. Fire flow calculations will be reviewed by the fire department during the building permit process in accordance to system standards.

Conservation
We are pleased to note the use of native and cultural plants and suggest that all irrigation be scheduled between 7 PM and 10 AM, no more than 2 days per week once plants are established. To mitigate demand on Lahaina resources, we recommend that the following conservation measures be included in the project design and noted in the EA:
Use Non-potable Water: Use brackish or reclaimed water for landscaping and other non-potable purposes when available. Reclaimed water or brackish water should be used for dust control and landscaping during construction.
Eliminate Single-Pass Cooling: Single-pass, water-cooled systems should be eliminated per Maui County Code Subsection 14.21.20. Although prohibited by code, single-pass water cooling is still manufactured into some models of air conditioners, freezers, and commercial refrigerators.
Maintain Fixtures to Prevent Leaks: A simple, regular program of repair and maintenance can prevent the loss of hundreds or even thousands of gallons a day. The applicant should establish a regular maintenance program.

Printed on recycled paper

Utilize Low-Flow Fixtures and Devices: Maui County Code Subsection 16.20A.680 requires the use of low-flow water fixtures and devices in faucets, showerheads, water closets, and hose bibs. Installation of EPA *WaterSense* labeled fixtures should be considered.

a. EPA WaterSense labeled high-efficiency toilets. A list of WaterSense certified high-efficiency toilets and other fixtures may be found at: http://www.epa.gov/WaterSense/pp/index.htm
b. WaterSense labeled bathroom sink faucets. The flow rate of these fixtures does not exceed 1.5 gpm at 60 psi. (Even more efficient models are available.)

Prevent Over-Watering By Automated Systems: Provide rain-sensors on all automated irrigation controllers. Check and reset controllers at least once a month to reflect the monthly changes in evapo-transpiration rates at the site. As an alternative, provide the more automated, soil-moisture sensors on controllers.

Pollution Prevention
In order to protect ground and surface water sources, we encourage Best Management Practices (BMPs) designed to minimize infiltration and runoff from construction. The mitigation measures below should be noted in the EA and implemented during construction:

- Retain ground cover until the last possible date.
- Disturb the smallest area possible.
- Stabilize denuded areas by sodding or planting as soon as possible. Replanting should include soil amendments and temporary irrigation. Use high seeding rates to ensure rapid stand establishment.
- Avoid fertilizers and biocides, or apply only during periods of low rainfall to minimize chemical run-off.
- Prevent cement products, oil, fuel and other toxic substances from leaching into the ground.
- Properly and promptly dispose of all loosened and excavated soil and debris material.
- Keep run-off on site.

Should you have any questions, please contact Staff Planner Marti Buckner at 808-463-3104 or marti.buckner@co.maui.hi.us.

Sincerely,

David Taylor, P.E., Director

mlb
cc: DWS Engineering

GERALD PARK
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August 3, 2016

David Taylor, P.E., Director
Department of Water Supply
County of Maui
200 South High Street
Wailuku, Hawai'i 96793-2156

Dear Director Taylor:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i

Thank you for your letter of May 9, 2016 regarding the Subject project. We offer the following responses in the order your comments were presented.

Source Availability and System Infrastructure

The water source for the classroom building (and Princess Nahi'ena'ena Elementary School) has neither been identified nor confirmed. Since the school is not served by a Department of Water Supply meter, it is presumed that water is supplied from either a Department of Education private system or the Lahaina Water Treatment System. The water source for both systems is Kanaha Valley Stream.

Two water lines---6" and 8"---supply the school's water system.

Water demand will depend on usage and will vary every day. An average water load is estimated at 477.5 gallons per day.

Conservation

Use Non-potable Water

Non-potable water is not available at the school.

Eliminate Single Pass Cooling

Single pass water-cooled systems will not be used in the air condition system for the communication and computer rooms.

Maintain Fixtures to Prevent Leaks

This comment has been passed on the Department of Education.

Utilize Low Flow Fixtures and Devices

Low flow fixtures and devices for faucets, toilets, and water closets will be installed.

Prevent Over-Watering by Automated Systems

The automated sprinkler system has a single controller that will be equipped with a soil moisture sensor. The sensor will help reduce watering when the soil is already saturated from rain. A flow sensor also will be attached to the controller to shut off the system if there is a broken pipe head or pipe.

Pollution Prevention

The mitigating measures listed in your correspondence will be included in the Final Environmental Assessment. And although not worded exactly as presented, the listed Pollution Prevention measures will be included in the Construction Notes and Best Management Practices (BMPs) for the Project.

The participation of the Department of Water Supply in the environmental assessment review process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

ALAN M. ARAKAWA
Mayor

WILLIAM R. SPENCE
Director

MICHELE CHOUTEAU McLEAN
Deputy Director

received
5.16.16

COUNTY OF MAUI

DEPARTMENT OF PLANNING

May 11, 2016

Mr. Gerald Park, Urban Planner
95-595 Kanamee Street, #324
Mililani, Hawaii 96789

Dear Mr. Park:

SUBJECT: COMMENTS ON DRAFT ENVIRONMENTAL ASSESSMENT (EA) FOR THE PROPOSED PRINCESS NAHI'ENA'ENA ELEMENTARY SCHOOL CLASSROOM BUILDING, AT 816 NIHEU STREET, LAHAINA, ISLAND OF MAUI, HAWAII; TMK: (2) 4-6-018:013 (POR.) (EAC 20160005)

The Department of Planning (Department) is in receipt of the above-referenced document for the proposed Princess Nahi'ena'ena Elementary School Classroom Building. The Department understands the proposed action includes the following:

- Construction of a new classroom building and related improvements.

Based on the foregoing, the Department provides the following comments in preparation of the Final Environmental Assessment:

1. The land use designations for the project area are as follows:
   a. State Land Use – Urban
   b. Maui Island Plan – Inside Urban Growth Boundary
   c. Community Plan – Public/Quasi-Public
   d. County Zoning – Interim
   e. Other – Outside Lahaina Historic District and Special Management Area

2. In the Draft EA, on page 21, it says that currently, runoff is intercepted by a swale that is known to overflow on to the school grounds during heaving rain. On page 4, it says that minimal grading to the school slope will help cut runoff from entering the school grounds. Because the proposed building will generate additional runoff that may pose a safety concern, it would help to gain a better sense of whether there will be full mitigation from the project engineer. In the Final Environmental Assessment, please include a Preliminary Drainage Report.

3. A landscape hardscape plan was provided; however, a landscape planting plan should be included in the Final Environmental Assessment. The planting plan would help make it easier to envision the proposed landscaping, as well as determine the impact to flora, and whether the landscaping will help mitigate increased drainage.

4. Please note that even though the building does not fall within a flood zone, there still is a natural drainage way, the swale; hence, building plans will be subject to review by the Department of Planning Zoning and Enforcement Division (ZAED). At that time, please provide existing and proposed drainage plans. Please also provide a Preliminary Drainage Report for review.

5. On page 18 of the Draft EA, it says that the site has been mass graded and surface features were probably removed. Because the Lahaina area is a known area of archaeological concern, a letter from the Department of Land and Natural Resources - State Historic Preservation Division should be referenced and included in the Final Environmental Assessment. The letter would serve as confirmation that no further action or monitoring is necessary.

6. There are no color images of the proposed building, nor is there any reference to whether the new building will be painted the same as existing buildings. In order to better determine whether there will be a visual impact to drivers on Lahainaluna Road, please include a colored plan or rendering of the proposed building.

7. Please note that upon building permit plan review, a parking analysis will need to be submitted to ZAED, which will determine whether there will be a sufficient number of stalls provided. Please note that per Maui County Code 19.36A.190, a loading zone will be required and will need to be shown on plans. There will also be a review of your setback, so please provide a site plan showing the property line.

Thank you for the opportunity to comment. Please include the Department on the distribution list for the Final Environmental Assessment. Should you require further clarification, please contact Staff Planner Tara Furukawa at tara.furukawa@mauicounty.gov or at (808) 270-7520.

Sincerely,

WILLIAM SPENCE
Planning Director

xc: Clayton Yoshida, Planning Program Administrator (PDF)
John S. Rapacz, Planning Program Administrator (PDF)
Tara K. Furukawa, Staff Planner (PDF)
Design Partners, Inc.
TMK File
General File

WRS:TKF:lk
K:\WP_DOCS\PLANNING\EAC\2016\0005_PrincessNah'iena'enaElementarySchool\Agency Response.doc

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August 3, 2016

William R. Spence, Director
Department of Planning
County of Maui
2200 Main Street, Suite 315
Wailuku, Maui, Hawai'i 96793

Dear Director Spence:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i

Thank you for your May 11, 2016 letter regarding the Subject project. We offer the following responses to your comments in the order they were presented.

1. Thank you for confirming the land use designations for the project area.

2. The Draft Environmental Assessment (page 4) described proposed drainage improvements in the vicinity of the new building. In brief, runoff would be collected in drain inlets around the building and conveyed by 36" drain pipes to an existing catch basin in the southeast corner of the project area. The drain pipes will detain runoff prior to controlled release to the catch basin. Proposed drainage improvements were shown as Figure 8.

3. A Landscape Plan will be included in the Final Environmental Assessment.

4. A Drainage Report will be submitted to the Zoning and Enforcement Division for review.

5. The State Historic Preservation Division has not commented on the project. It should be noted that this area of Lahaina was in sugarcane cultivation for many years before it was developed into a school site. This large-scale agricultural activity more than likely removed many surface archaeological features that may have been present both at this and other locations in the Lahaina area.

   The Draft EA (on page 4) listed previous environmental assessments prepared for some of the existing school facilities. None of the documents noted the presence of archaeological features.

6. A colored rendering will be included in the Final Environmental Assessment.

7. A parking analysis and site plan showing property lines will be submitted with the building permit plans set.

The participation of the Department of Planning in the environmental assessment process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

ALAN M. ARAKAWA
MAYOR

JEFFREY A. MURRAY
CHIEF

ROBERT M. SHIMADA
DEPUTY CHIEF

COUNTY OF MAUI
DEPARTMENT OF FIRE AND PUBLIC SAFETY
FIRE PREVENTION BUREAU

313 MANEA PLACE WAILUKU, HAWAII 96793
OFFICE(808) 876-4690 FAX (808) 244-1363

received
5-19-16

May 13, 2016

Gerald Park Urban Planner
Attn: Gerald Park
95-595 Kanamee St. #324
Mililani, HI 96789

Re: Princess Nahi'ena'ena Elementary School Classroom Building
Lahaina, Maui
(2) 4-6-018: 013 portion

Dear Gerald:

Thank you for the opportunity to provide comment on this subject. At this time, our office provides the following comments:

- From the submittal, it appears that matters related to our office will be addressed in the proposed project. However, our office does reserve the right to formally comment on the proposed project during the building permit review process. At that time, fire department access, water supply for fire protection, and fire and life safety requirements will be addressed.

If there are any questions or comments, please feel free to contact me at 876-4693. Thank you for your attention to fire prevention and public safety.

Sincerely,

Paul Haake
Captain, Fire Prevention Bureau

GERALD PARK
Urban Planner

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August 3, 2016

Jeffrey A. Murray, Chief
Department of Fire and Public Safety\
County of Maui
313 Manea Place
Wailuku, HI 96793

Dear Chief Murray:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
Lahaina, Maui
(2) 4-6-018: 013 por.

Thank you for reviewing commenting on the Draft Environmental Assessment for the Subject project. It is understood that the Department will review and comment on matters of fire apparatus access, water supply for fire protection, and fire and life safety requirements during the building permit review process.

The participation of the Department of Fire and Public Safety in the environmental assessment review process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS

POLICE DEPARTMENT
COUNTY OF MAUI

ALAN M. ARAKAWA
MAYOR

OUR REFERENCE

YOUR REFERENCE

55 MAHALANI STREET
WAILUKU, HAWAII 96793
(808) 244-6400
FAX (808) 244-6411

TIVOLI S. FAAUMU
CHIEF OF POLICE

DEAN M. RICKARD
DEPUTY CHIEF OF POLICE

May 18, 2016

received
5.23.16

Mr. Gerald Park, Urban Planner
95-595 Kanamee Street, Apt. 324
Mililani, Hawaii 96789

Dear Mr. Park:

SUBJECT: Draft Environmental Assessment (DEA) for Princess Nahienaena Elementary School Classroom Building, TMK: 4-6-018: 013 por.

Thank you for your letter of March 29, 2016, requesting comments on the above subject.

We have reviewed the information submitted and have no comments or recommendations to make at this time. Thank you for giving us the opportunity to comment on this project.

Very truly yours,

Assistant Chief Victor K. Ramos
for: Tivoli S. Faaumu
Chief of Police

c: Ms. Janna Mihara, Dept. of Education

GERALD PARK
Urban Planner

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August 3, 2016

Tivoli S. Faaumu, Chief of Police
Police Department, County of Maui
55 Mahalani Street
Wailuku, Maui, HI 96793

Dear Chief Faaumu:

Subject: Princess Nahi'ena'ena Elementary School Classroom Building
TMK: 4-6-018: 013 por.
Pana'ewa, District of Lahaina, Maui, Hawai'i

Thank you for your May 18, 2016 letter regarding the Subject project. From your letter it is understood that the Police Department has no comments on the project at this time. Correspondence from the Department will be included in the Final Environmental Assessment.

The participation of the Police Department in the environmental assessment review process is appreciated.

Sincerely,

GERALD PARK URBAN PLANNER

Gerald Park, Principal

c: J. Mihara, DOE, PMS