EMERSON GOO

LANDSCAPE
ARCHITECTURE
PORTFOLIO

2018

2023



EMERSON GOO

California Polytechnic State University, San Luis Obispo Bachelor of Landscape Architecture, c/o 2023

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COVER: East-West Center, University of Hawai'i.

Architecture by I.M. Pei, gardens by Leland Miyano.

Digital painting made for LA 436, a traditional and digital media graphics course.

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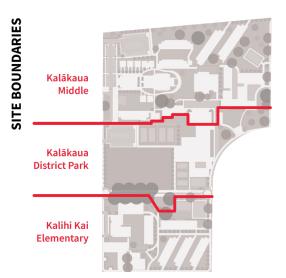


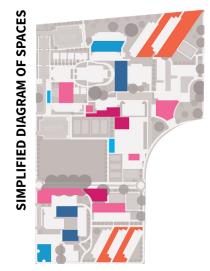
Connecting neighborhoods through a playscape spanning two schools, Kalihi Kai Elementary and Kalakaua Middle, and a park, Kalakaua District Park, in Kalihi, Honolulu, Hawai'i. The design makes the campuses and park more playful and accessible for children, while creating circulatory and functional connections between them.

LA 461 - WINTER 2023 - 5TH YEAR SENIOR CAPSTONE STUDIO CÉSAR TORRES-BUSTAMANTE

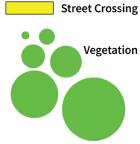








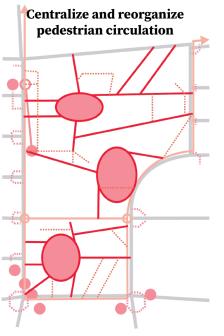
Location of Transit Play Area



LEGEND

New Buildings

- Bus waiting area and sheltered bike rack
- F2 Additional public restroom
- Playworker office and play equipment rental

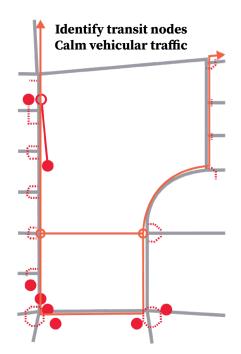


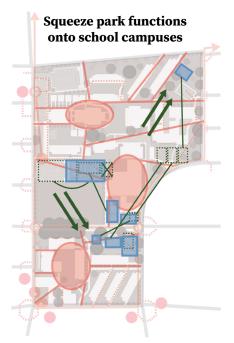
ABOVE: Site plan legend.

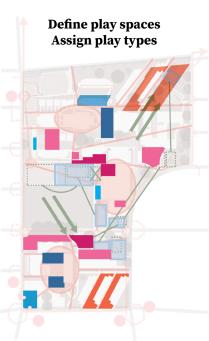
FACING PAGE: Site plan, not to scale. Hatched color-coded areas correspond to playscape typology on following pages.

TOP LEFT: Mini-maps. Simplified maps show the new, redrawn boundaries of the schools and park, and a simplified diagram of play spaces for quick reference.

MIDDLE AND BOTTOM
LEFT: Diagrams showing the process by which the final site plan was derived from schematics. The overall goal was to maximize the amount of contiguous open space for play while addressing pressing transit and circulation issues.







PLAYSCAPE TYPOLOGY



Classroom Interventions

The skinny space between large classroom buildings is filled in with whimsical or absurdist play structures. School permission required for public use.

A1 & A2 — The Unfinished School

The "skeletons" of unbuilt or demolished buildings from the history of Kalakaua Middle School are erected on a miniature scale. The framework of the buildings are constructed using reclaimed or invasive woods.

A3 & A4 — The Sinking School

Miniature scale versions of the adjacent buildings constructed of reclaimed or invasive woods are "sunken" into the ground, with climbing plants allowed to grow up around them, to mimic the look of an abandoned ruin or an archaeological dig.



Hands-on Education Spaces

Permanent or semi-permanent features enable "learn by doing" outdoor education. School permission required for public use, but may be opened up on festivals or event days.

B1 — School Garden

A school garden with plots for edible crops, ornamental plants, or science experiments. Students take responsibility for maintaining the garden with an instructor's guidance.

B2 — Mini-Arboretum and Water Sandbox

A lush planting of natives with labeled names serves as an educational tool for plant identification. A large sandbox with a water pump can be used to teach basic water cycle and ahupua'a concepts.



Outdoor Classrooms

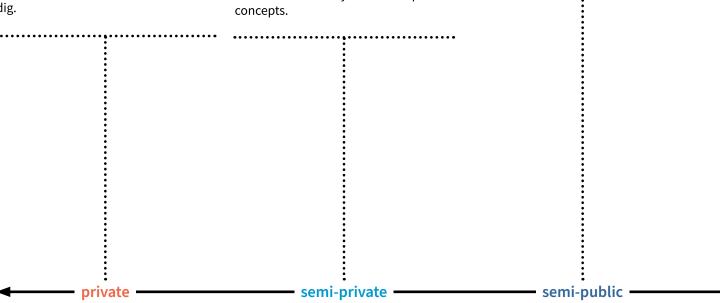
Spaces to hold class outside or simply relax and hang out. Unlike "hands-on" spaces, furnishings are minimal and movable. Accessible to the public outside of school hours.

C1 — Eating and Lounge Area

Tables with ample room and umbrella shade can be used by students to eat or do work outdoors.

C2 & C3 — Shady Areas

Trees and adjacent buildings give these areas plentiful shade. Movable seating, an outdoor podium, and outdoor chalk/pin-up boards complete these spaces.





Passive Play Spaces

Spaces for passive and low-intensity uses. Spaces not on a campus are accessible at all hours, otherwise use is restricted to after school hours.

D1 — Outdoor Stage

Outdoor stage with lawn for performances.

D2 — Student's Grove

This existing patio is blanketed in shade by large trees and boasts student art.

D3 — People's Lawn

A lawn with a baseball-diamond-like seating structure, adult exercise and play equipment, and a stage that doubles as an area for food trucks and farmer's markets.

D4 — People's Plaza

A cozy plaza for multi-purpose use. The doors of adjoining buildings are replaced with sliding doors to create a fluid transition between indoors and outdoors.

D5 — Monkeypod Promenade

Under the shade of large monkeypods, visitors can stroll around a rock garden and an ephemeral stream.

D6 — Outdoor Stage

Outdoor stage with lawn for performances.



Active Play Areas

Spaces for active, risky, vertical, and/or high-intensity play. All spaces are accessible at all hours.

E1 — Accessible Playground

This playground contains a range of accessible play equipment, in accordance with universal design principles.

E2 — Adventure Playground

This playground boasts loose parts, construction equipment, and large climbing structures. It is staffed by playworkers and can only be accessed during supervised hours.

E3 — Early Childhood Playground

This playground contains active equipment suitable for use by very young children, and anple seating and comfort areas for parents. A unique approach to programming was developed for the site. Instead of designing individual spaces, the program is grouped by actions and intensities of play, leaving the final implementation flexible. The most desired play activities for children were researched, as well as the kinds of play equipment appropriate for different age groups. Based on this research, five different categories of playscapes were developed.

Each category has a degree of access associated with it, ranging from being only accessible by students, faculty, and other school personnel (except if a use request is approved), or freely by the public at all times. Some spaces are reserved for the school during school hours and open to the public outside of school hours.

These playscape types correspond to the color-coded areas marked on the site plan (see previous page spread).

public / semi-public -

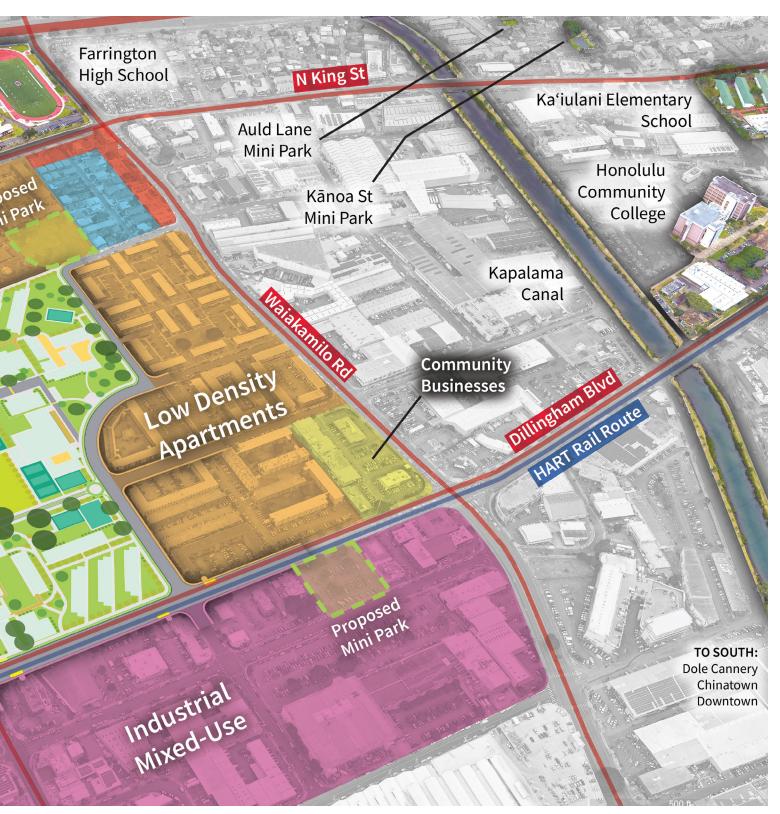
public

Degree of Access

SITE CONTEXT



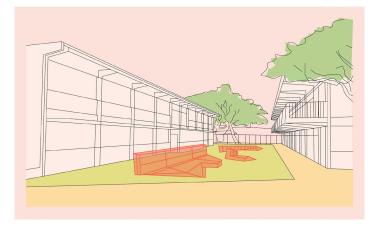
The project establishes a network of smaller play areas linked to each other: most on-site, and some off-site such as pocket parks in suburban blocks, play elements near transit stops, and temporary interventions like pop-up playgrounds. Proposed additional mini parks around the site were also incorporated from the current Kalihi Transit-Oriented Development Plan.



SELECTED PLAY ELEMENTS





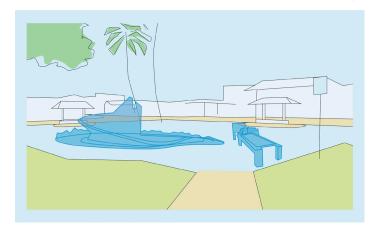


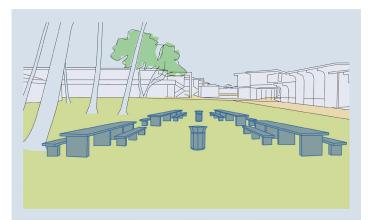
Mini-Arb and Water Sandbox



Eating and Lounge Area





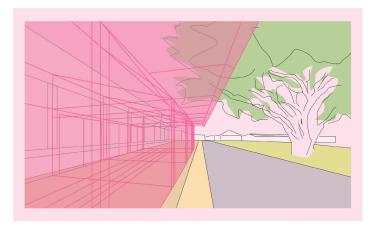


People's Lawn



Adventure Playground







Implementing a plurality of play theories in the landscape, especially on a school campus, can unsettle the strictly regimented and standardized nature of public schooling. Play is a subversive tool, which can empower children to advocate for themselves against the authorities that control them. I drew heavily on ideas from Colin Ward, a so-called "anarchist planner" that believed in dissolving boundaries between the school and the wider community. In the end, perhaps what I am really doing with this project is not designing playgrounds, but reinventing the form and purpose of the school.

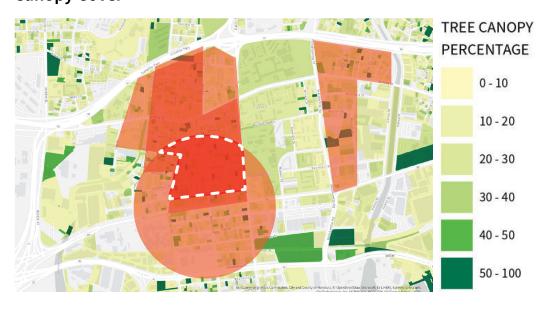
Transit



Impervious Surfaces



Canopy Cover



POP-UP PLAY SITE ANALYSIS

A detailed site analysis of the surrounding neighborhoods, including proximity to transit, canopy cover, and impervious surface analysis was performed to find the most suitable place to site a pop-up playground experience.

Pop-up playgrounds should be sited by transit stations or in areas that are a short walk to transit stations, and near areas where traffic is calm. The future development of rail stations should also be observed. They should not be located in areas with poor drainage/impervious surfacing and not in areas with many parking lots. There should be ample shade near the playground, either from shade structures or large trees, which may be found on individual properties.

TRANSIT: All data sourced from Oʻahu Bike Plan and Honolulu Open Geospatial Data.

IMPERVIOUS SURFAC-

ES: Impervious surface percentages for tax parcels and TOD boundary sourced from Honolulu Open Geospatial Data. Parking lot data sourced from a Penn State Geodesign project by Daniel Call, Kirsten Eaton, and Graham Mills.

CANOPY COVER: All data sourced from Honolulu Open Geospatial Data.



BLUESHIFT: REMEMBERING OLD OAKLAND

LA 404 - WINTER 2022 - 4TH YEAR CULTURAL ENVIRONMENTS STUDIO ELLEN BURKE

OAKLAND, CA

ESTUARY PARK CULTURAL CORE SIGNAGE ELEMENTS

CONTINUED REPORT OF THE PROPERTY OF THE PROPER

Estuary Park sits on reclaimed land in the Oakland Estuary, adjacent to the biggest new developments in Oakland's recent history. Cut off from the the city by the freeway that bisected its old downtown, it seems like a site that would mostly be used only by nearby residents in Brooklyn Basin. How can it engage the wider city and culture? This design does so by embracing the history of "Old Oakland", especially its heritage as a birthplace of West Coast jazz. Built up around a new multi-use pavilion and the existing Aquatic Center, it restores the wetland edge to the south end of the site. Cultural signage provides information on jazz and waterfront history. A long concrete deck serves as a main axis, and public docks are consolidated into one large dock that serves as a communal space.

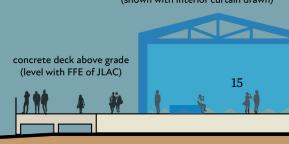
ABOVE: Section-perspective showing locations of cultural signage.

FACING PAGE: Site plan, not to scale.

BOTTOM: Section of docks over wetland, overlook, and pavilion.

SECTION A - A'

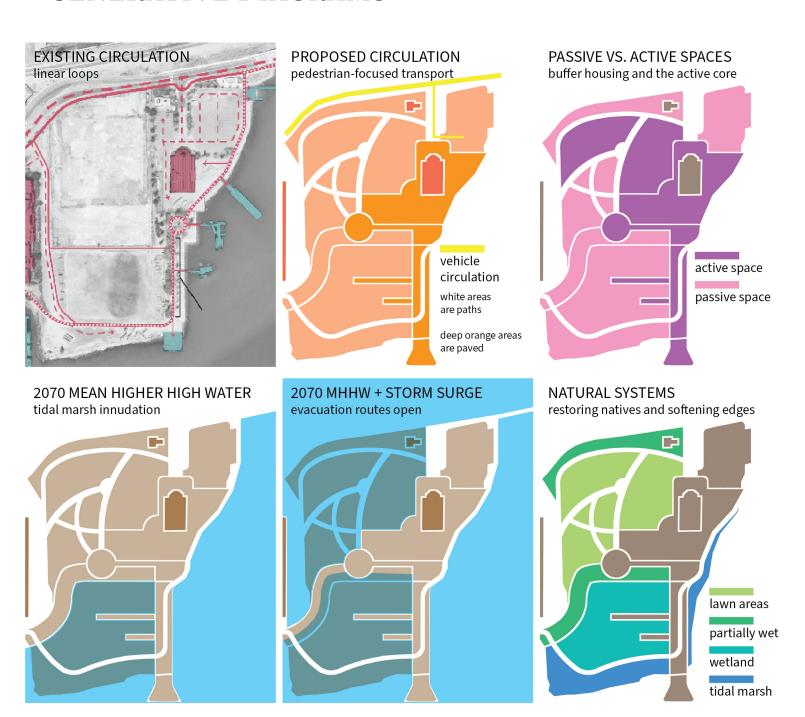
MULTI-USE PAVILION (shown with interior curtain drawn)



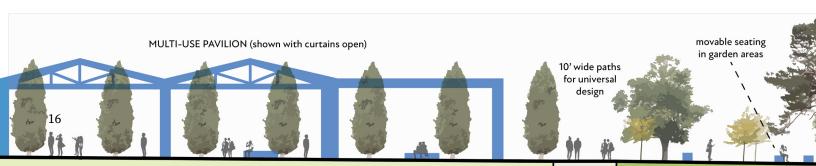
scrap sculpture created by local artist

TED WETLAND BERM

GENERATIVE DIAGRAMS



SECTION B - B' Section from condos to active multi-use lawn.



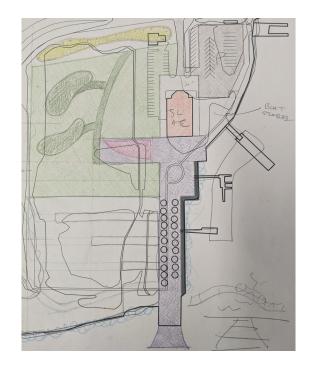
MULTI-USE ACTIVE LAWN PATH GARDEN AREA

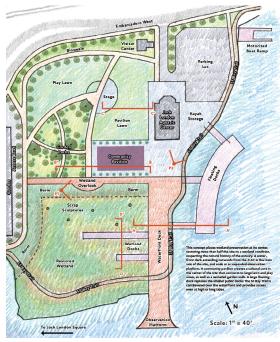
Estuary Park will be underwater in the future, so this design has long-term sustainability in mind. A berm raises the largest paved areas of the park above an estimated 2070 storm surge so that it can continue to be used as a public dock, even as lawn areas eventually succumb to saltwater intrusion. The SF Bay Trail is raised above grade and routed over the wetland, and can serve as an evacuation route in case of flooding.

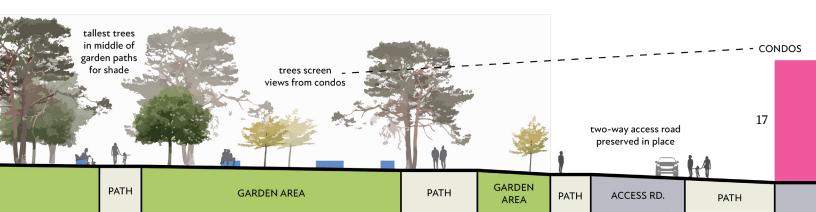
The southernmost end of the site is innudated year-round, whereas the tidal marsh will initially start off partially flooded and gradually transition to fully flooded over 50 years. Existing properties not built with sea level rise in mind will eventually need to be abandoned during managed retreat from the shoreline in the future.

PROCESS DRAWINGS

Left drawing shows an early sketch, with major areas of site identified. Right drawing shows schematic site plan.

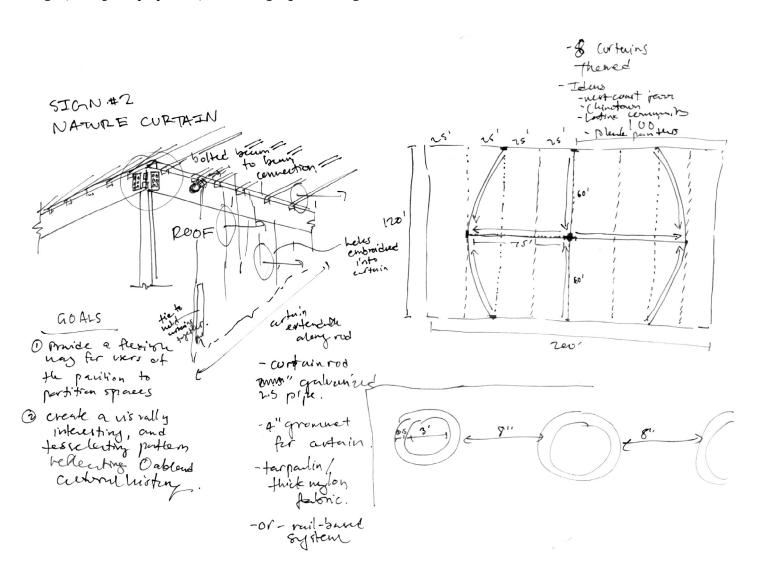






CURTAIN FABRICATION

I designed a curtain installation for the multi-use pavilion to divide the space in a flexible and interactive way. The pavilion can be reconfigured for multiple uses by different groups occupying the space. In addition to designing the curtain layout, I created a spec sheet and conducted research into how the curtains would be constructed and installed. I had to figure out how the curtain would mount to the steel trusses, the type of track and length of track needed, the fabric and its yardage and weight, the pulley system, and the graphic design of the curtains themselves.

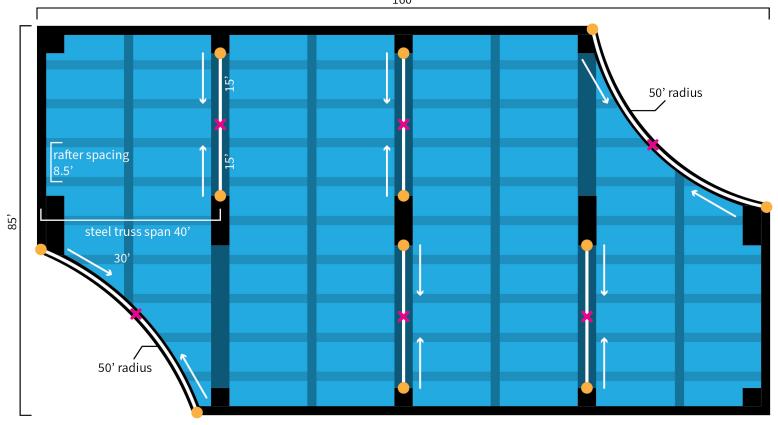


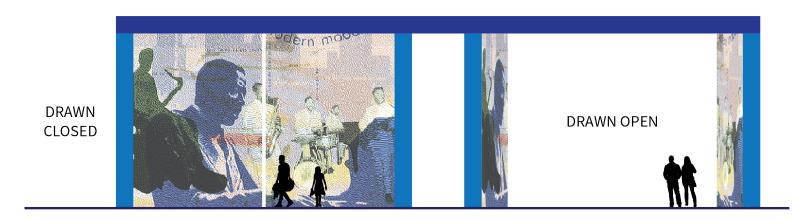
SECTION C - C' Section from pavilion to fixed pedestrian dock.

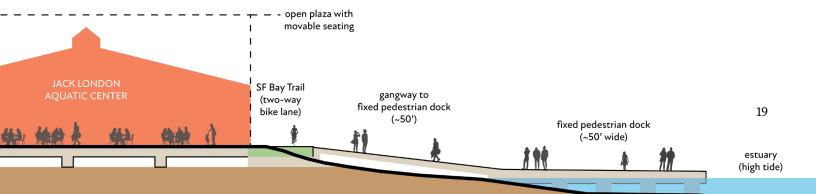
CURTAIN INSTALLATION PLAN AND ELEVATION

white lines indicate curtain track orange dots indicate connections to columns magenta Xs show terminal end of track arrows indicate draw direction of the curtain

160'



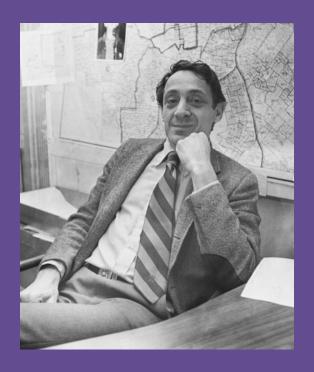




UNREELING THE PAST: HARVEY MILK PLAZA

SAN FRANCISCO, CA

Harvey Milk's premature death turned him into a political icon who fought fearlessly for LGBTQ+ rights, but also froze him in time as an image. Today, we remember him for what he stood for, but do we really know the person he is? My redesign of Harvey Milk Plaza in San Francisco's Castro District considers the question of what it means to embody Harvey's life in a landscape design without resorting to images of him. Challenging the perception that a public monument should be unproblematically about visibility, this design speaks louder for what it does not show.





TOP LEFT: Harvey
Milk. How can we
honor him without
cheapening his image?
Photo courtest of the
Bettmann Archive/Getty Images.

BOTTOM LEFT: Perspective rendering. Shows the central elevators and iconic flag.

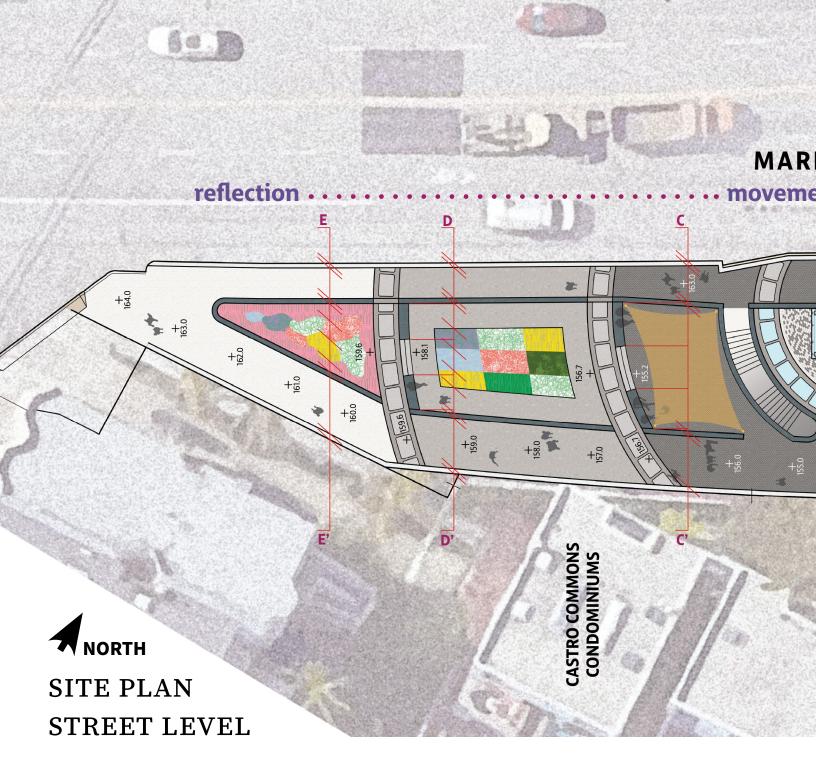


SITE ANALYSIS
NOT TO SCALE

JANE WARNER PLAZA

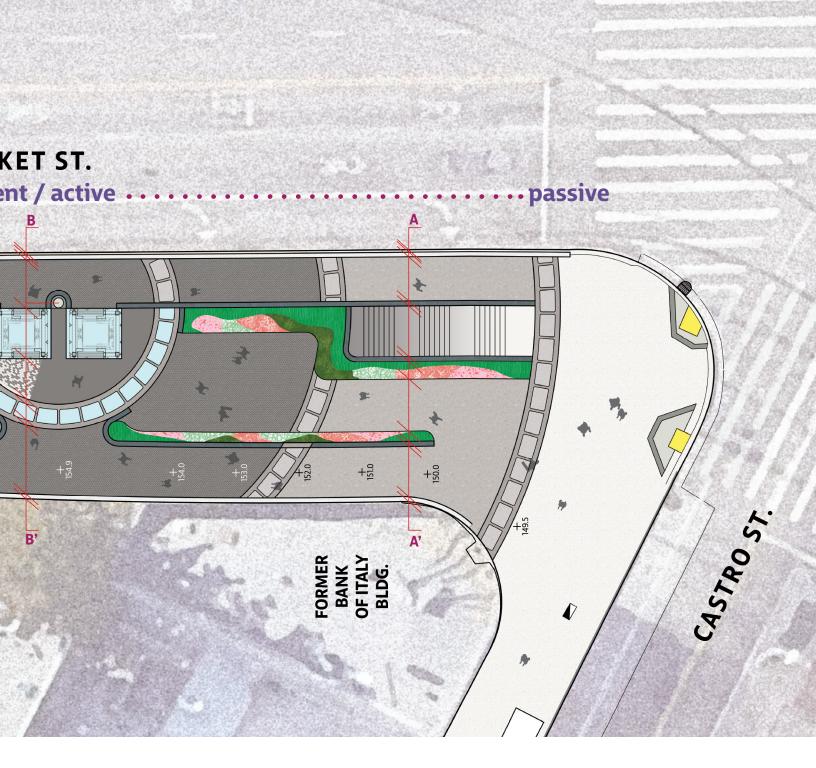
CASTRO

THEATRE



"Unreeling the Past" pays homage to Milk's love of film photography and his former occupation as a camera shop owner. Concentric rings of concrete "film strip" pavers, etched with artwork representing Harvey's life, ring the center of the plaza, which contains double glass elevators to all levels of the plaza. At the concourse level, the circular motif is repeated in rainbow-colored terrazzo paving. Sunken terraces with seat walls on the west end create outdoor rooms that represent the Castro's gay culture and history.

As users move inwards, the plaza shifts from a more reflective space to a more active one, populated mainly by transit riders. At the far west end of the plaza is a satellite pink triangle garden, meant to complement the larger Pink Triangle plaza across Market Street. The middle terrace contains a rectangular planting bed reminiscent of AIDS quilts, to be used and maintained as a community garden space.



The lowest plaza is bordered by a tall wall which houses the spiral stairs from Market St. down to the concourse level, and can serve as a community theater or projection space for films. A removable shade sail can be unfurled when this space is being used for events. At the concourse level, a homeless help center is proposed that will contain a community fridge, medical supplies, and health checkup and harm reduction services at scheduled times.

The very center of the plaza is also bordered by a film strip paving pattern, but the images are etched in translucent glass that lets in light to the concourse level. The paving detail contains a speech by Harvey encoded in Morse code, a homage to his service in the navy, and a way of incorporating his speech into the site itself. As LGBTQ+ individuals still face oppression and remain closeted, this message hidden in plain sight serves as a subtle reminder of hope.

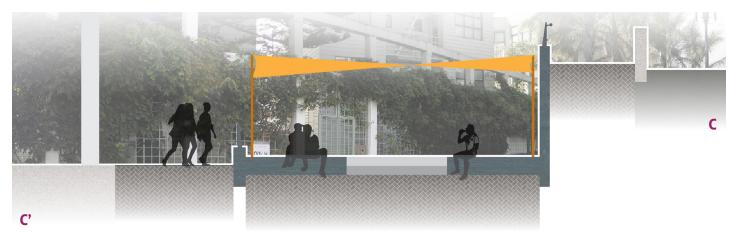
SECTIONS



Looking towards Jane Warner, showing elevator, central hub, and glass film strip detail



Looking towards Jane Warner, showing stairs from plaza to concourse



Looking towards Collingwood St, showing lowest sunken terrace and retractable shade sail



Looking towards Collingwood St, showing middle sunken terrace with green wall and AIDS quilt garden



Looking towards Collingwood St, showing top sunken terrace with Pink Triangle garden

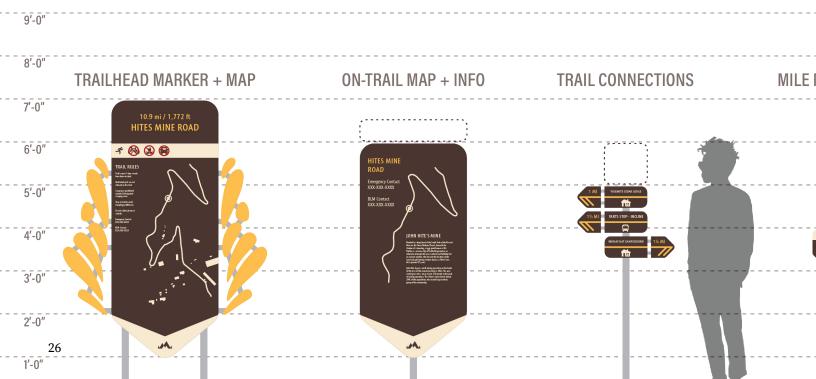
SIGNS OF LIFE ALONG THE MERCED

MARIPOSA COUNTY, CA

The Merced River Trail runs from Yosemite National Park to destinations all over Mariposa County. As a Wild and Scenic River, the Merced should be a valuable asset for Mariposa County, but sees little use due to poor maintenance and a lack of creative placemaking to draw visitors and residents alike to the many trails and recreational exieriences it has to offer. Residents of Mariposa County want to see spaces that highlight the diversity of cultural programming in the county, from arts and crafts to historical exhibits to performances and festivals.

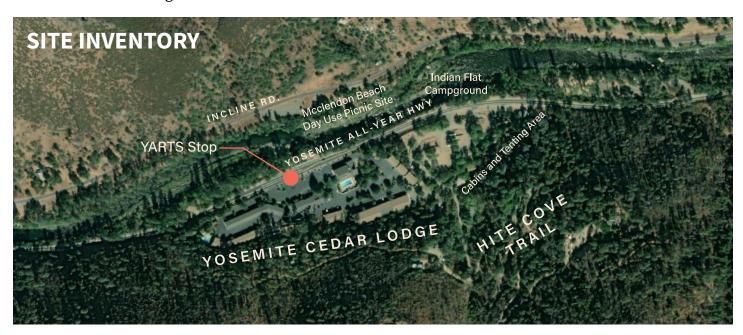
As part of a contribution to the Green New Deal Superstudio, I created a plan for a new trailhead at Hite Cove, and a system of signage to give the Merced River Trail a unique graphic identity. I worked with representatives from the Mariposa Arts Council and Planning Department to align the graphic design with their future outlook for the community. The new site plan integrates public and private space on the grounds of the Yosemite Cedar Lodge, and can serve as a case study for further signage implementations at other sites along the Trail.

LA 403 - SPRING 2021 - 3RD YEAR NATURAL ENVIRONMENTS STUDIO MIRAN JUNG DAY



Recommendations for Site:

Connectivity between the lodge and the trail should be improved. Circulation should be added between the YARTS Stop and the trailhead which bypasses the lodge so that pedestrian and vehicle traffic are kept separate. Signs which orient visitors to various lodge amenities should be added in visible locations.

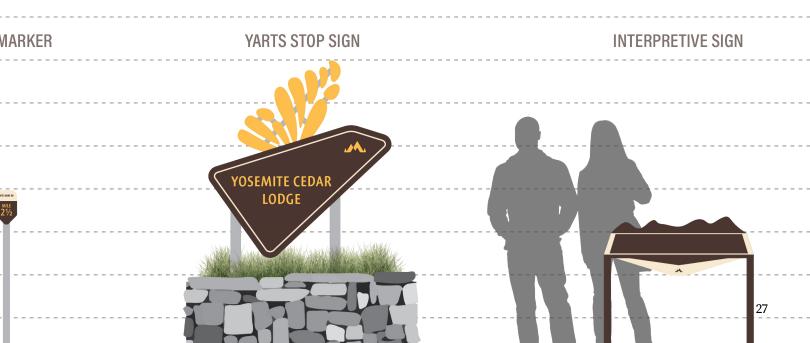


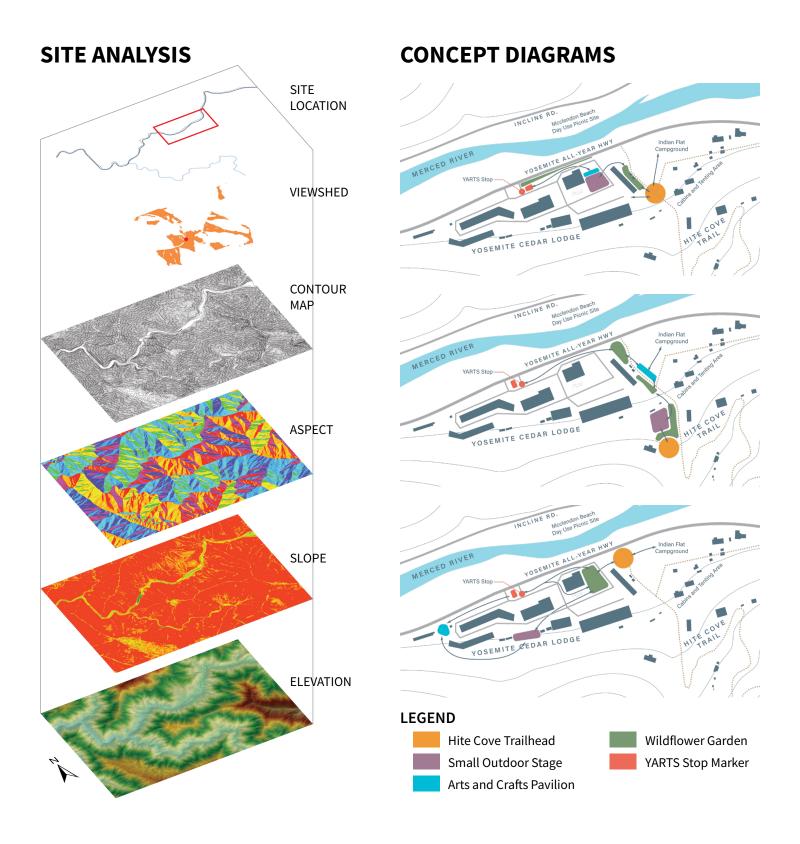
Yosemite Cedar Lodge Bus Parking Free Parking Outdoor Lounge Outdoor Pool YARTS Stop Mcclendon Beach
Day Use
This beach is not
accessible from the
other side of the
river, and should
be left alone as it is
reserved for locals of
El Portal.

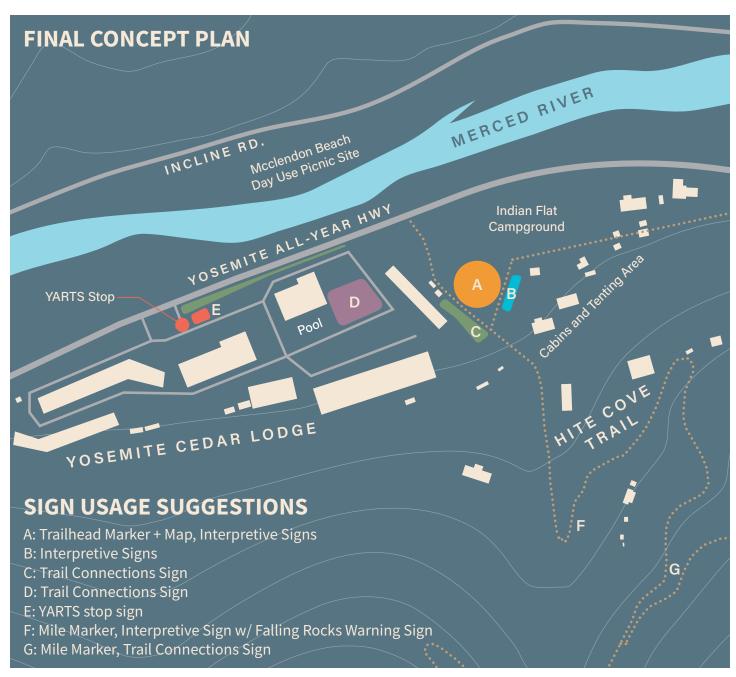
Indian Flat
Campground
25 RV Sites
25 Tent Sites
One tent cabin
Two wood cabins
Pool (shared with YCL)

Hite Cove Trail

The trail terminates at Redbud Lodge near Briceburg. There are spectacular wildflower displays in spring. The meeting of the south and central forks of the river is visible from the trail. It is moderately strenuous. The total elevation gain is 100 feet and the trail is around 4 miles long for a round trip (if the entire length is hiked). It is single-track only and can be dangerous if crowded.









JULIA MORGAN BY THE BEACH

SAN SIMEON, CA

This historic Julia Morgan-designed house near Hearst Beach is current occupied by employees of Hearst Ranch. The employees and their families requested a redesign of the plantings in front of the house as well as the back lawn, which is not well-used due to being wet and waterlogged throughout the winter.

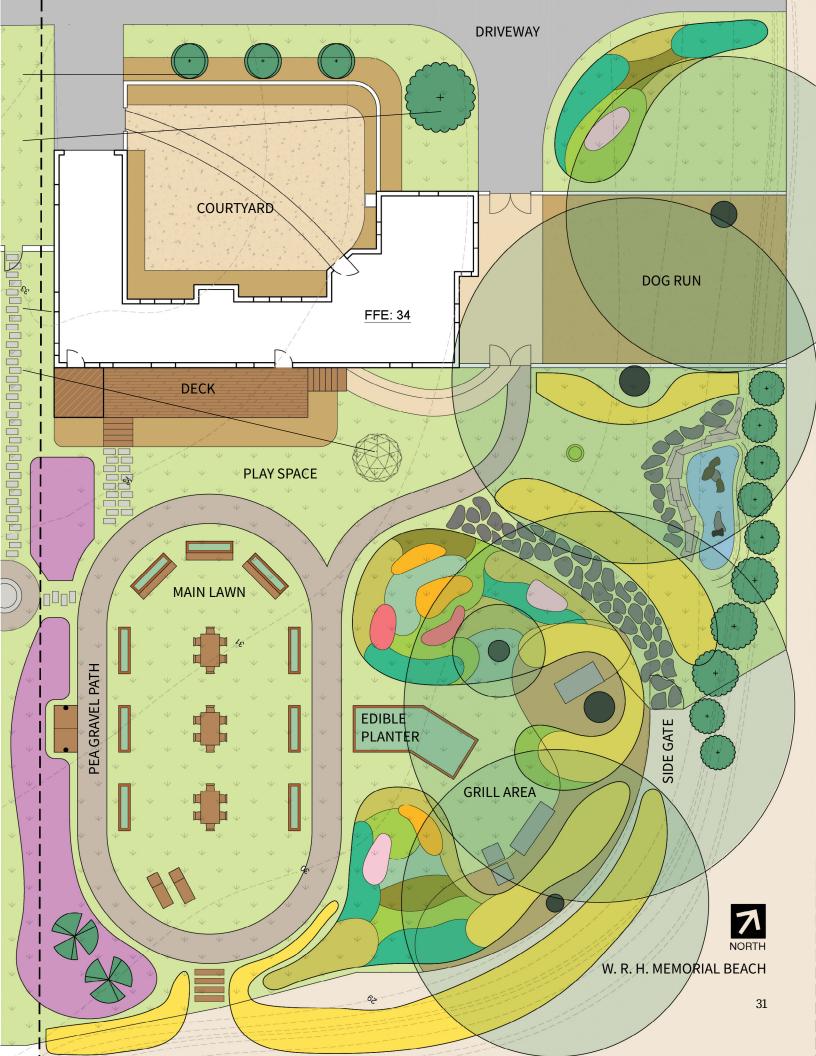
This redesign harmonizes with the existing Mission revival style architecture and uses plantings historically found on the Hearst Ranch properties. However, a contemporary touch is added through the use of modern landscape furnishings, a deck addition to the house, and a semi-wild planting design that breaks with the formalism of plantings at Hearst Castle. The resulting design is low water use, provides for erosion control on site, and creates areas for entertainment and play for a small family and pets. A full set of design documents was created in this class, including a planting plan, grading plan, layout plan, material spec sheet, and construction details.

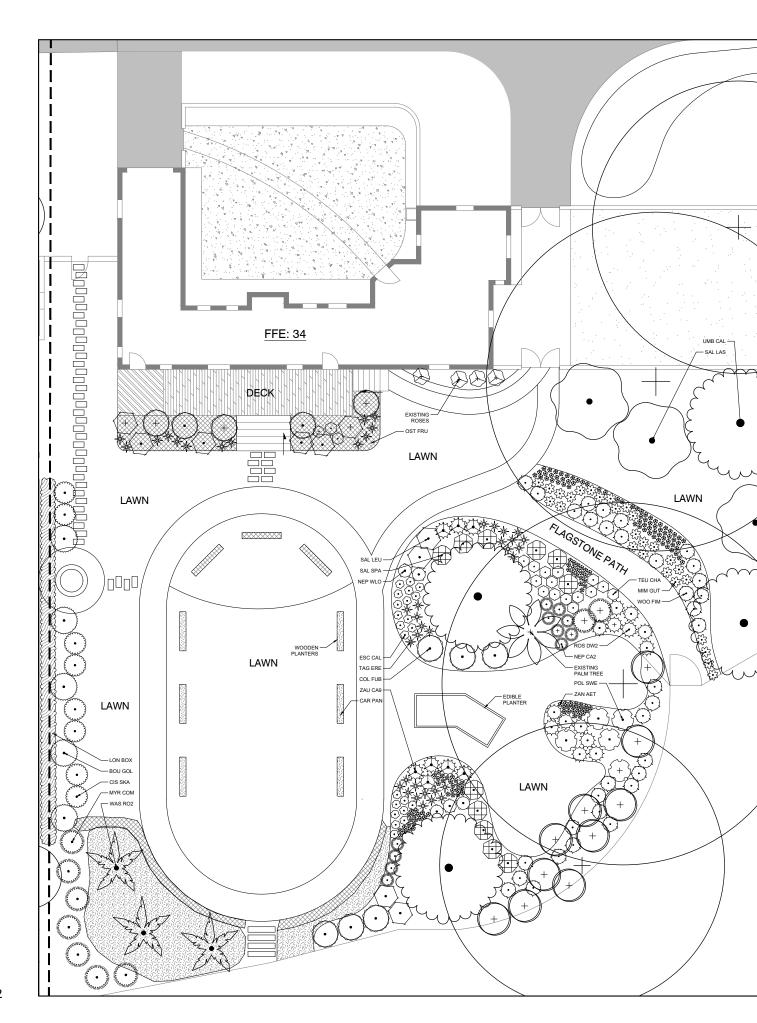
LA 405 - WINTER 2021 - 3RD YEAR PROJECT IMPLEMENTATION STUDIO CHRISTINE O'HARA

BOTTOM: View to Hearst Beach and the Pacific Ocean.

FACING PAGE: Site plan, not to scale. A pea gravel path resembling the shape of Julia Morgan's pool designs rings the main lawn. Large and lush plantings hug smaller areas for grilling, cooking, and relaxing. An edible planter is provided to grow herbs and small crops. A fenced dog run is created for the client's pets.







PLANTING NOTES

 $\underline{\text{WOODEN LAWN PLANTERS:}} \ \text{Wooden planters on lawn are to be filled with groundcover plants as specified.}$

EDIBLE PLANTER: Plants to be selected by client.

EXISTING PLANTS: Plants that exist on site and which shall be preserved in the planting plan are marked with a plus sign (+) in the center. Unless otherwise specified, symbols in the plant schedule also apply to existing plants.

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE		QTY	REMARKS
·)	SAL LAS	Salix lasiolepis	Arroyo Willow	15 gal.		3	
• }	UMB CAL	Umbellularia californica	Bay Laurel	15 gal.		4	
	WAS RO2	Washingtonia robusta	Mexican Fan Palm	15 gal.		3	
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	SIZE		QTY	REMARKS
\odot	BOU GOL	Bougainvillea x `California Gold`	California Gold Bougainvillea	5 gal.	5 gal.		train onto trellis
\odot	CIS SKA	Cistus x skanbergii	Coral Rockrose	5 gal.		8	
	COL FUB	Coleonema pulchellum `Sunset Gold`	Sunset Gold Breath of Heaven	5 gal.		8	
\odot	ESC CAL	Eschscholzia californica	California Poppy	4"		22	
€\$3	MIM GUT	Mimulus guttatus	Seep Monkeyflower	1 gal.		27	
AND SAME	MYR COM	Myrtus communis	Common Myrtle	5 gal.		7	
· ·	NEP CA2	Nepeta cataria	Catnip	4"		9	
\odot	NEP WLO	Nepeta x `Walker`s Low`	Walker`s Low Catmint	4"		5	
\bigcirc	POL SWE	Polygala x dalmaisiana	Sweet Pea Shrub	5 gal.		4	
* *	ROS DW2	Rosmarinus officinalis `Prostratus`	Dwarf Rosemary	4"		13	
\bigcirc	SAL LEU	Salvia leucantha	Mexican Bush Sage	1 gal.		8	
	SAL SPA	Salvia spathacea	Hummingbird Sage	4"		11	
*	TAG ERE	Tagetes erecta	Marigold	4"		41	
* 0 0 0	TEU CHA	Teucrium chamaedrys	Germander	1 gal.		17	
\bigcirc	WOO FIM	Woodwardia fimbriata	Giant Chain Fern	5 gal.		34	
\otimes	ZAN AET	Zantedeschia aethiopica	Common Calla Lily	1 gal.		147	
&	ZAU CA9	Zauschneria californica	California Fuchsia	5 gal.		8	
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	LON BOX	Lonicera nitida	Box Leaf Honeysuckle	5 gal.	2" o.c.		train onto trellis
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	CAR PAN	Carex pansa	Sanddune Sedge	2" plug	12" o.c.		
	OST FRU	Osteospermum fruticosum	African Daisy	flat of 36	15" o.c.	8	

PLANTING PLAN - BACK OF HOUSE Beach House 3 - San Simeon, CA

Emerson Goo LA 439 Christine O'Hara Fall 2021



Project Beach House 3

Date 1/2/02/21

Scale 1/8"=1'-0"

HHF PLANNERS

HONOLULU, HI

During my internship at HHF Planners, I prepared irrigation plans and construction documents, shadowed site visits, and also contributed research to a Complete Streets planning project in Kahului, Maui. Click to view a blog post on HHF's website that I wrote about my experience.

JULY - AUG. 2021

SUPERVISORS: TOMOKO NAKA, RICK

QUINN, JOHN HAGIHARA

BOTTOM & RIGHT: Cropped portion of irrigation plan and schedule for a 89,000-square ft. veteran's clinic.

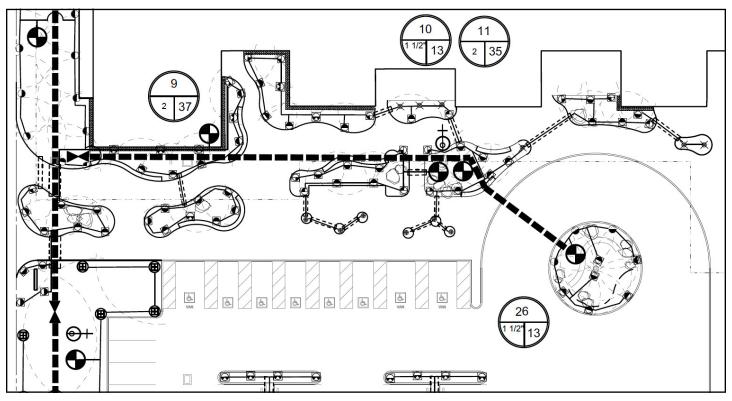
I completed pipe layout and irrigation head selection under supervision and calculated and compiled the irrigation schedule.

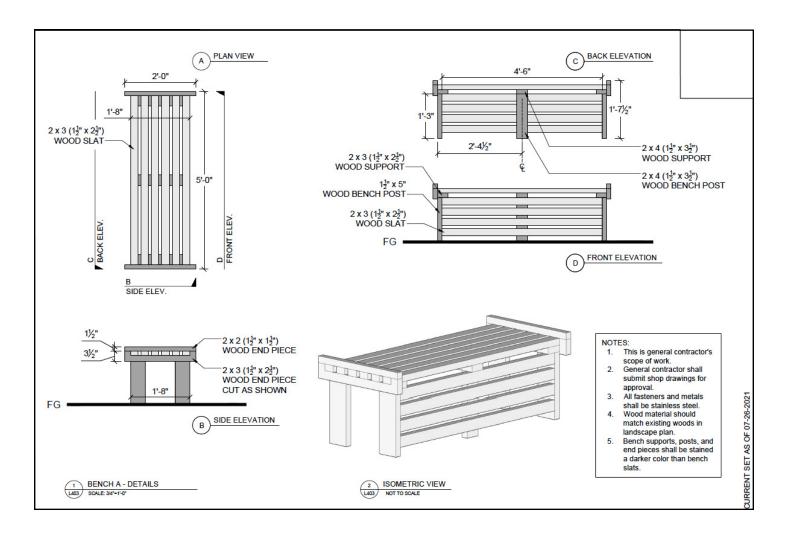
FACING PAGE TOP: Construction details for a custom bench. This was designed for a private residence.

FACING PAGE BOTTOM: Booklet design for a Complete Streets implementation project in Kahului, Maui.

IRRIGATION SCHEDULE

RRIGATION SCHEDULE							
Station	System	GPM	Runtime	DAYS/WK	AVE.GPD		
1	ROTAR	25	18	3	193		
2	Spray Head	26	8	3	89		
3	Spray Head	34	8	3	117		
4	Spray Head	39	8	3	134		
5	Spray Head	33	8	3	113		
6	Spray Head	29	8	3	99		
7	ROTAR	21	18	3	162		
8	Spray Head	31	8	3	106		
9	Spray Head	37	8	3	127		
10	Spray / Bubbler	13	8	3	45		
11	Spray / Bubbler	35	8	3	120		
12	ROTAR	37	18	3	285		
13	Spray Head	28	8	3	96		
14	Spray Head	40	8	3	137		
15	Spray Head	33	8	3	113		
16	Spray Head	24	8	3	82		
17	Spray / Bubbler	40	8	3	137		
18	Spray Head	40	8	3	137		
19	Spray / Bubbler	6	8	3	21		
20	Spray / Bubbler	34	8	3	117		
21	Spray / Bubbler	11	8	3	38		
22	Spray Head	30	8	3	103		
23	Spray Head	36	8	2	123		
24	Spray Head	30	8	2	69		
25	Spray / Bubbler	38	8	3	87		
26	Spray Head	13	8	3	45		
	Total Average GPD						
	2,894 1,056,310						





INTRODUCTION

INTRODUCTION

Booklet Scope and Overview

This booklet compiles general research on Kahului, Maui, with emphasis on information that may assist in the design of signage for the Hele Kälou Kahului Complete Streets Implementation Project. Research was undertaken into the history, ecology, charismatic flora and fauna, and arts and culture of Kahului and its surroundings. Design recommendations for signage are provided at the end of this booklet.

While this booklet is designed to serve the Kahului commu-nity, it sets out general design guidelines that can be used for other bicycle and pedestrian route development and wayfinding projects across Maui County.

Project Summary

Kahului is a census-designated place within the ahupua'a of Wailuku, which stretches around Kahului Bay from Pauku-kalo to Kapukaulua. It includes lao Valley and the northeral half of the Kahului Isthmus. It is part of a larger area known as Nā Wai 'Ehā, 'The Four Waters' (so named after the four major streams that fed the taro-growing areas of Waikapū, Wailuku, Waiehu, and Waihe'e).[‡]

Originally planned as a railroad and port town for the growing sugar industry on Maui, today Kahului is known as a retail center and transportation hub for Maui residents, due to its concentration of malls and big-box stores, light industry, and the nearby harbor and airport.

Hele Kåkou Kahului aims to increase rates of walking, bik-ing, and transit ridership within the project area in Kahului isee map on adjacent page) by implementing Complete Streets design principles. Objectives include: Fredericksen, E. & Fredericksen, D. (2004). Archaeological Assess most Report for the Proposed Central Man Serior Housing Project. Xamanesis

- Develop a signage and wayfinding manual with criteria for key destinations, signage types and templates, and standards and guidance for signage placement Identify safety improvements along priority routes Empower community partners to provide input and participate in project roll-out?

Thus far, initial public engagement with community mem-bers and stakeholders has been carried out through a variety of formats (virtual workshops, design charettes, web mapping). The most recent stakeholder workshop took place on June 30, 2021. Key routes and destinations, and issues facing keiki and kipuna user groups were identified. Signage concepts and proposals for physical improvements were presented for feedback. Further research and con-sulation with the local community and cultural experts is needed to develop signage that is readable, distinctive, and reflective of Kahului.

HHF Planners. (2021). Hele Kákou Kahulul Wayfinding and Sig-age Workshop [Online presentation].

Project Area Quick Facts (2018 ACS data)

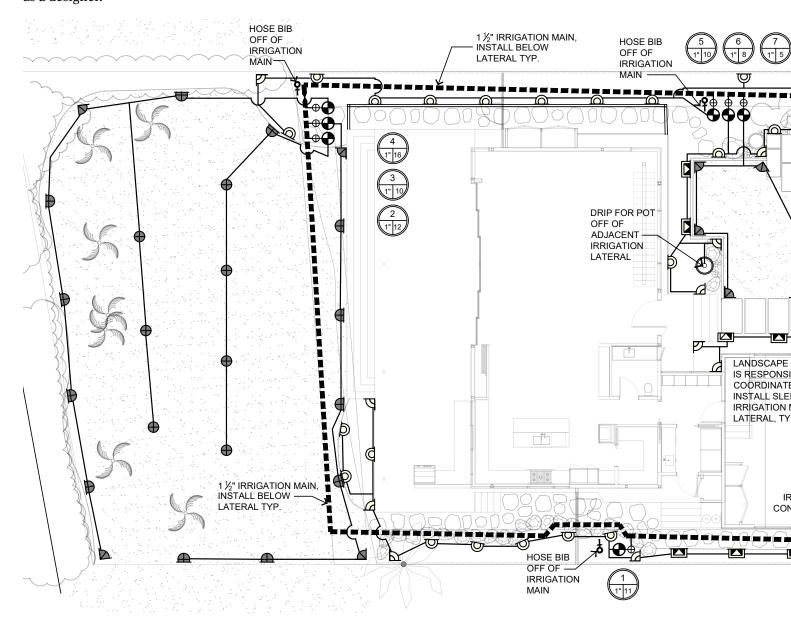
	US Census Tract 311.02 (~Project Area)	Maui County
Population #	6,115	165,281
Keiki	22% of pop.	22% of pop.
Kūpuna	23% of pop.	17% of pop.
Household Size	3.59	2.99
Commute	95% drive	87% drive
No Vehicles	12% of pop.	5% of pop.
One Vehicle	30% of pop.	31% of pop.

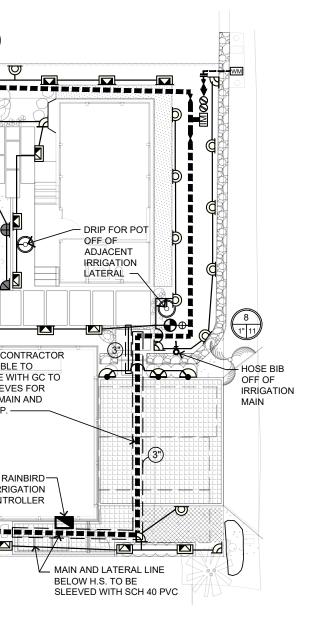


Hele Kākou Kahului Project Area - Key Destinations June 30, 2021 Stakeholder Workshop WAR MEMORIAL STADIUM AND CULTURAL CENTER BALDWIN HIGH SCHOOL KAHULUI PUBLIC LIBRARY HALE MAHAOLU QUEEN KA'AHUMANU CENTER MAUI MEMORIAL MEDICAL CENTER # HALE MAHA AKAHI HALE KAHULUI KAHULUI ELEMENTARY SCHOOL MAUI HIGH SCHOOL PARK MAUI WAENA Map by HHF Planners Hospita Transportatio • Hotels Parks and Recreation HELE KĀKOU KAHULUI 5

HELE KĀKOU KAHULUI

After completing the veteran's clinic, I was able to work more independently on irrigation plans. I completed this smaller residential irrigation plan almost entirely on my own. Since irrigation design is not a subject that is covered in-depth in my curriculum, the experience of working on these two plans was invaluable and made me much more conscious of water use as a designer.



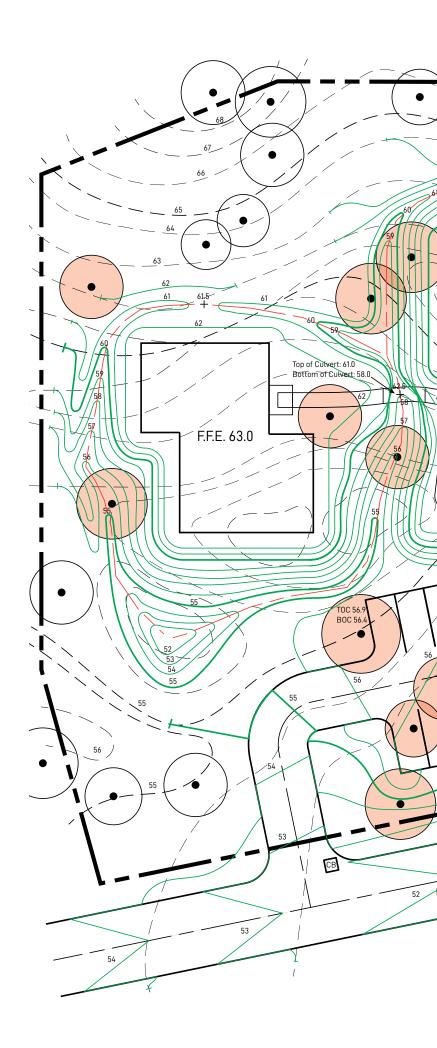


SYMBOL	DESCRIPTION	RADIUS	NOZZLE	PSI	GPM			
b	4" POP-UP HEAD QUARTER CIRCLE - RAINBIRD 1804-SAM-PRS	12 FT	U-SERIES - 90DEG	30 PSI	.7 GPM			
Ф	4" POP-UP HEAD HALF CIRCLE - RAINBIRD 1804-SAM-PRS	12 FT	U-SERIES- 180 DEG	30 PSI	1.3 GPM			
⊕	4" POP-UP HEAD FULL CIRCLE - RAINBIRD 1804-SAM-PRS	12 FT	U-SERIES- 360 DEG	30 PSI	2.6 GPM			
\not	12" POP-UP HEAD QUARTER CIRCLE - RAINBIRD 1812-SAM-PRS	8 FT	U-SERIES - 90DEG	30 PSI	0.3 GPM			
	12" POP-UP HEAD HALF CIRCLE - RAINBIRD 1812-SAM-PRS	8 FT	U-SERIES- 180 DEG	30 PSI	0.5 GPM			
	12" POP-UP HEAD END STRIP - RAINBIRD 1812-SAM-PRS, 15 RCS OR 15LCS	4x15 FT	15RCS OR 15LCS	30 PSI	0.5 GPM			
	12" POP-UP HEAD SIDE STRIP - RAINBIRD 1812-SAM-PRS, 15 SST	4x30 FT	15 SST	30 PSI	1.2 GPM			
~	12" POP-UP HEAD STREAM BUBBLER-RAINBIRD 1812-SAM-PRS, MPR-5Q-B	5 FT	MPR-5Q-B	30 PSI	0.5 GPM			
₽	12" POP-UP HEAD STREAM BUBBLER-RAINBIRD 1812-SAM-PRS, MPR-5H-B	5 FT	MPR-5H-B	30 PSI	0.5 GPM			
•	ELECTRIC VALVE WITH PRESSURE REGULATOR - 1" RAINBIRD RAINBIRD PESB WITH PRS-DIAL							
\oplus	1 1/2" PVC BALL VALVE, NIBCO 4660-T OR EQUAL FOR SERVICING AT VAVLE							
H	1 1/2" BRASS BALL VALVE - NIBCO T585-70 (THREADED WITH LEVER HANDLE)							
WM	WATER METER - EXISTING 1" METER NO. 02320913							
IM	IRRIGATION SUB-METER 1" BADGER M55 (BWS APPROVED MODEL)							
▶00	REDUCED PRESSURE BACKFLOW PREVENTER WILKINS RP (975XL) 1" OR EQUAL, PRESSURE REGULATOR, WILKINS MODEL 600 (VERIFY PRESSURE PRIOR TO INSTALLATION)							
	RAINBIRD CONTROLLER ESP-ME							
,5	IRRIGATION MAIN LINE, 1 1/2" SCH. 40 PVC							
5	IRRIGATION LATERAL LINE SCH 40 PVC TYP.							
(3°)	IRRIGATION SLEEVE SCH 40 PVC, SIZE AS NOTED							
DRIP FOR POTS	DRIP IRRIGATION FOR POTS: (2 EA	CH) .9 gph	XERI-BUG EM	ITTER PER	R POT			
	STATION NO.							
	1" 5 FLOW (G.P.M)							
	ELECTRIC VALVE SIZE							

OTHER WORK

GRADING AND DRAINAGE PLAN

A grading plan for LA 241, a technical site engineering studio. We were tasked with locating all buildings and the parking lot on site, and grading to minimize disruption, limit the number of trees killed, ensure positive drainage away from all buildings, and maintain required F.F.E.s.



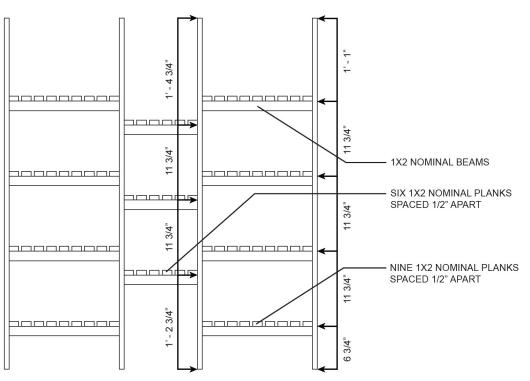


DESIGN-BUILD PROJECTS

Plant Stand — LA 242

Made for my mom's succulents in an implementation strategies course. Modeled in SketchUp, built in my garage.







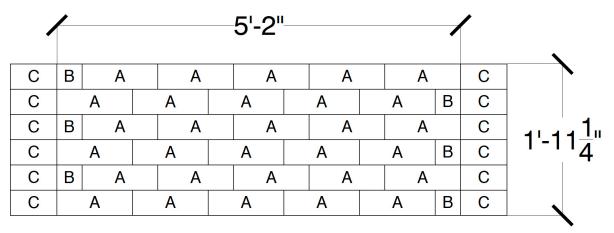






Cal Poly Arboretum Dry-Stack Wall — LA 350

Built for an advanced landscape construction course.



WALL ELEVATION





cut A to make B



use leftover piece to make C This project was a team effort to beautify the arboretum, of which the wall was only one part. Benches, an arbor, a mosaic, and a planting design were also created. I was responsible for drawing design documentation for the wall and participating in all stages of its construction. Click to see a video of the whole process by Cal Poly student John Ty.

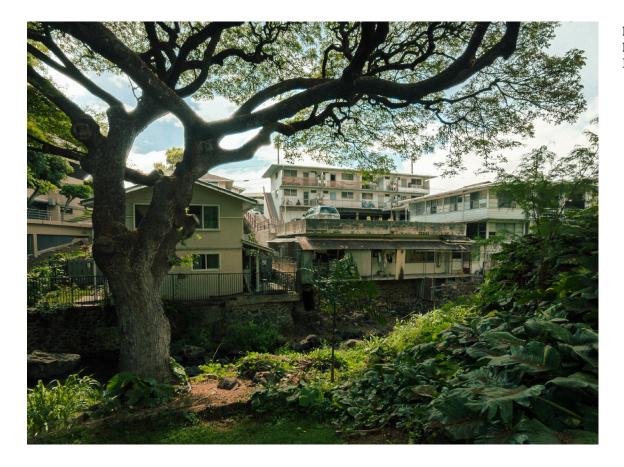








PHOTOGRAPHY



Liliʻuokalani Botanical Garden Honolulu, HI



Sweet Springs Nature PreserveLos Osos, CA

I am an avid photographer with experience in analog and digital mediums. I tend to gravitate towards landscape subjects.

Gasworks Park Seattle, WA



Puʻunui Community Park Honolulu, HI



WRITING AND SPEAKING

My writing portfolio:

https://emersongoo.blot.im/writing

I have 4+ years of experience as a freelance art, film, and design critic, with bylines in publications such as Film Comment, Cinema Scope, Design Museum Everywhere, and the New York Review of Architecture. I was a 2022 Documentary Magazine Editorial Fellow with the International Documentary Association. As a film programmer, I have organized events and screenings in Hawai'i and California, and moderated and participated in panels for the Honolulu Museum of Art and the Film Comment Podcast.



At the HMoA Doris Duke Theatre with Anderson Le (Hawai'i Intl. Film Festival) and Vincent Bercasio (cinematographer/editor).





minimal (1978)

it is only the simple sunlight
on a fence post
out of the snow.
and I come to set it upright
at the cost
of a single blow.
then I leave them to the sunlight.
one straight post,
trodden snow.

