

Mangrove Bay Park Master Plan



UNIVERSITY OF
GEORGIA
College of
Environment + Design

Kimley»Horn
Expect More. Experience Better.

FORMS+SURFACES®

BELGARD®

PAVES
THE WAY™



C O N T E N T S

MEET THE TEAM



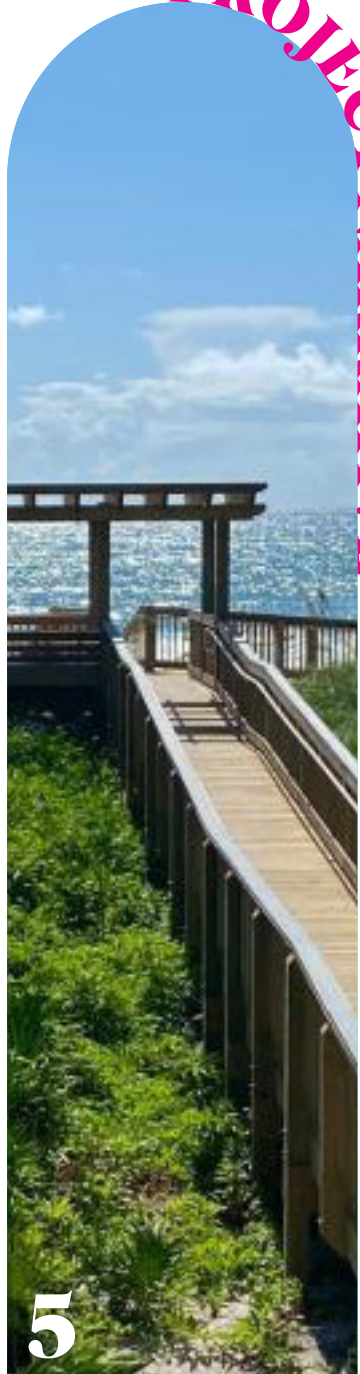
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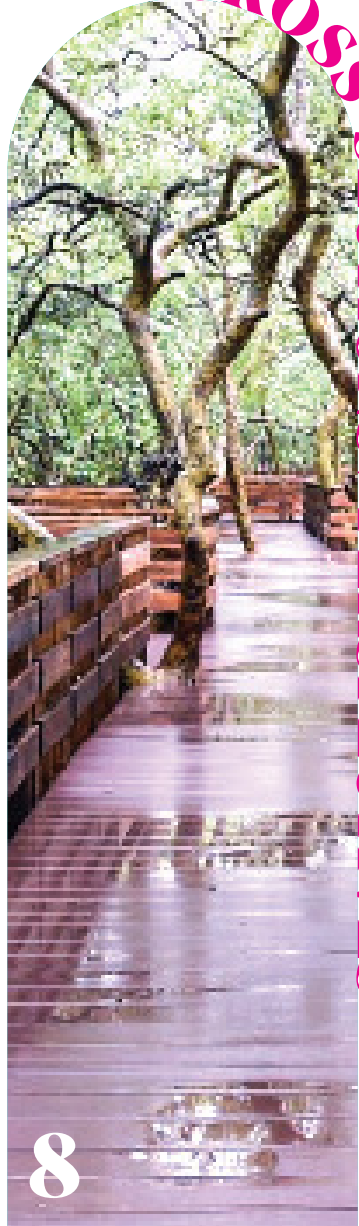
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MEET ACRE DESIGN + CO



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VISION STATEMENT

FOR THIS PROJECT, ACRE DESIGN & CO. USED INSPIRATION FROM ORGANIC FLOW OF ENERGY BETWEEN LAND AND SEA AND THE PUSH AND PULL OF THE TIDE FROM MORNING TO NIGHT TO DESIGN AN ECOLOGICALLY AND EXPERIENTIALLY UNIQUE DESIGN. THE SITE PROVIDES AN EXCITING EXPERIENCE AS USERS MOVE THROUGHOUT THE UNDULATING ORGANIC MOUNDS AND ALONGSIDE THE SERENE MANGROVE FOREST. USERS OF ALL MOBILITY TYPES CAN VENTURE THROUGH THE WINDING PATHS AND SURROUNDING BOARDWALK THAT GET UP CLOSE AND PERSONAL WITH THE FLORIDA ECOSYSTEM. OUR ECOLOGICALLY CENTERED DESIGN ALLOWS USERS TO INTERACT CLOSELY WITH THE MANGROVES WITH A RAISED WALKWAY, WHICH PREVENTS HEAVY TRAFFIC AND COMPACTION ON THE SURROUNDING SOIL. AT ITS CORE, OUR PROJECT AIMS TO PROVIDE A SPACE FOR HUMAN AND ECOLOGICAL INTERACTION THAT INSPIRES THE USERS OF THE SITE AND ENHANCES THE PROPERTY'S ECOLOGICAL FUNCTION.

PROJECT NARRATIVE

OUR DESIGN IS INSPIRED BY THE DIVERSE AND BEAUTIFUL MARINE HABITATS OF SOUTHERN FLORIDA. ORGANIC SHAPES WERE IMPLEMENTED TO REFLECT THE NATURAL ECOLOGICAL AND TIDAL FUNCTIONS OF THE FLORIDA COAST, SPECIFICALLY INSPIRED BY THE RELATIONSHIP BETWEEN THE MANGROVE TREES AND THEIR COASTAL INHABITANTS. MANY OF FLORIDA'S AQUATIC WILDLIFE START THEIR LIVES IN SHELTERED MANGROVE HABITATS, AND SLOWLY PROGRESS INTO CORAL REEFS AND DEEPER WATERS AS THEY MATURE. OUR SITE MIMICS THIS PROGRESSION BY SURROUNDING VISITORS WITH DENSE VEGETATION AS THEY ENTER THE SITE.

AS USERS MOVE EAST TOWARDS THE RIVER, THE PARK OPENS INTO AN UNDULATING LANDSCAPE OF ORGANIC LANDFORMS, DESIGNED TO MIMIC THE WAVES OF THE OCEAN. THE MAIN EARTHEN WAVE SLOWLY RISES FROM THE RIVERBANK, CREATING A NATURAL AMPHITHEATER SURROUNDING AN OYSTER-INSPIRED STAGE. THE OTHER SIDE OF THE WAVE "CRASHES" TOWARDS THE PLAYGROUND AND SPLASH PAD AREA WHICH MOVE IN A SIMILAR WAVE FLOW, CREATING THREE SEPARATE LEVELS OF PLAY.

THE BOTTOM LEVEL HOLDS A CORAL SPLASH PAD, CREATING AN ENCLOSED PLAY AREA FULL OF COLORFUL, CORAL-INSPIRED STRUCTURES FOR CHILDREN TO CLIMB ON. THE SECOND LEVEL CREATES A PLAY AREA FOR YOUNGER CHILDREN WHICH INCLUDES A JUNGLE GYM BASED ON THE ARCHING ROOTS OF THE MANGROVE TREE, AND THE THIRD LEVEL CREATES A PLAY AREA FOR OLDER CHILDREN MIMICKING THE OPEN OCEAN FLOOR. ABOVE THE THIRD LEVEL IS CAFÉ SEATING WHICH PROVIDES AN AREA SO THAT PARENTS CAN SIT AND WATCH OVER THEIR CHILDREN.

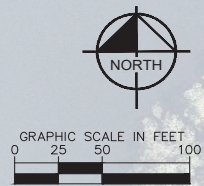
THE SITE HAS TWO PRIMARY PATHWAYS GOING AROUND THE EXTERIOR OF THE SITE, A WIDE, PAVED WALKWAY, AND A RAISED BOARDWALK. THE PAVED WALKWAY DOUBLES AS AN EMERGENCY ACCESS AND SERVICE ROAD TO CREATE A SAFE, ACCESSIBLE SITE.

THIS PATH ALSO PROVIDES THE INFRASTRUCTURE NEEDED TO HOST LARGE EVENTS, WITH A CONNECTION THROUGHOUT KEY AREAS TO UNLOAD EQUIPMENT AND FOOD TO THE BACK OF THE SITE. THE BOARDWALK PROVIDES USERS ACCESS TO THE KAYAK LAUNCH, THE BEACH, AND THE PERGOLA. USERS CAN WALK THIS RAISED PATH FOR AN IMMERSIVE EXPERIENCE IN THE MANGROVES SURROUNDING THE SITE, WITHOUT DAMAGING THEIR TREE ROOTS. THERE IS ALSO A SYSTEM OF SECONDARY PATHWAYS THAT WIND AROUND AND UP THE MOUNDS, FLOWING UP THE GRADE AND THROUGH THE SHADE TREES SURROUNDING THE PATH. THESE PATHWAYS CULMINATE AT THE TOP OF THE SITE TO PROVIDE A WIDE-OPEN GREEN SPACE WITH VIEWS OF THE ENTIRE SITE AND SURROUNDING COAST.

USING FLORIDA'S DIVERSE ECOSYSTEM AS OUR INSPIRATION, OUR DESIGN IS ABLE TO OFFER A DYNAMIC AND EDUCATIONAL EXPERIENCE AS THE USER FLOWS THROUGH THE SITE.

PLANS

INVENTORY + ANALYSIS



PREPARED BY
Kimley»Horn
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WWW.KIMLEY-HORN.COM

College of
Environment + Design
UNIVERSITY OF GEORGIA

CITY OF GULF
COAST PARKS &
RECREATION
1 GULF OF MEXICO LANE
GULF COAST, FL

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT
OYSTER RIVER PARK
1 OYSTER RIVER CIRCLE
GULF COAST, FL

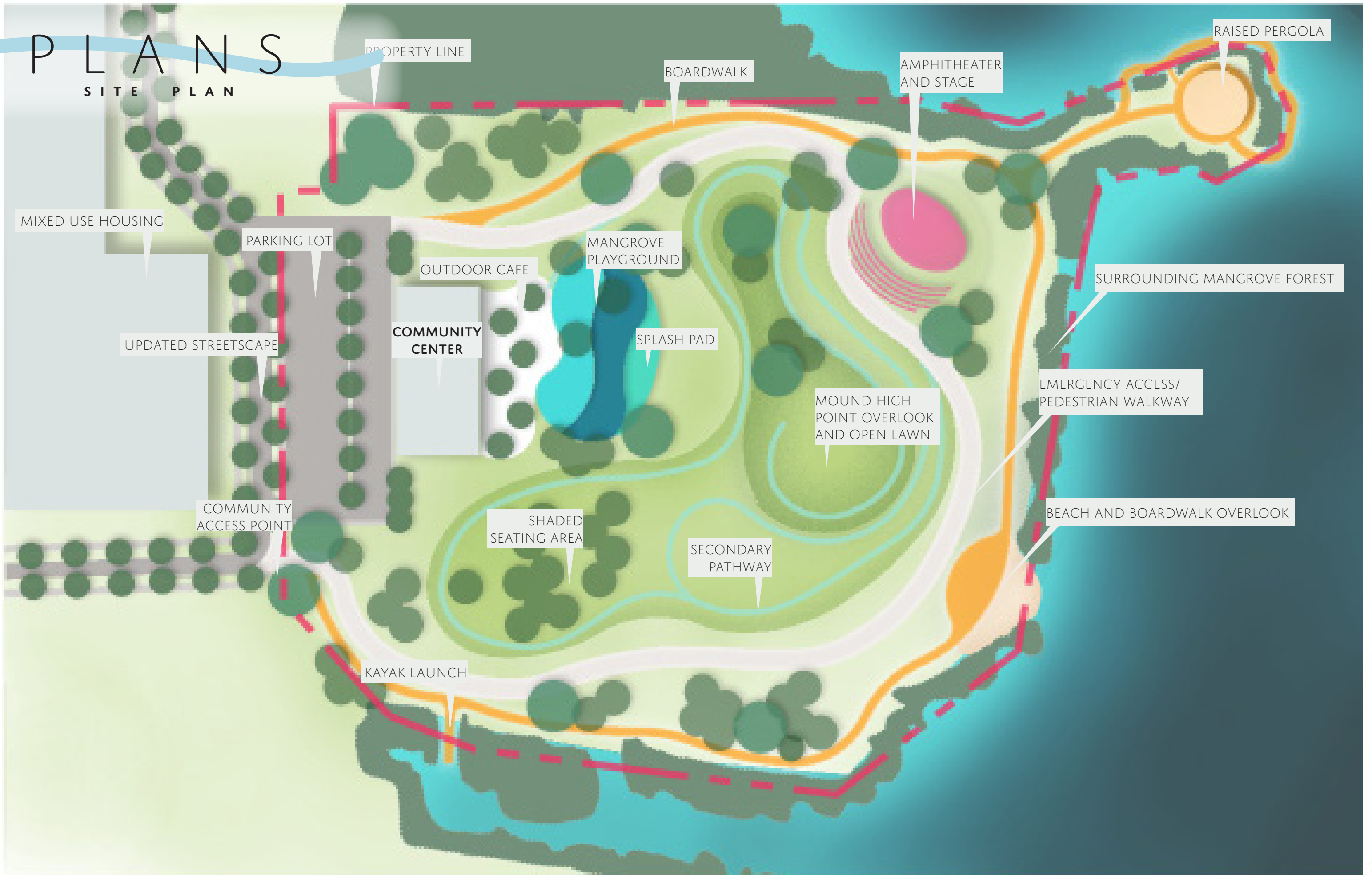
DRAWN BY: KHA
DESIGNED BY: KHA
REVIEWED BY: KHA
DATE: 01/14/2022

TITLE
EXISTING CONDITIONS

SHEET NUMBER
L0-00 6

PLANS

SITE PLAN



PROPERTY LINE

BOARDWALK

AMPHITHEATER AND STAGE

RAISED PERGOLA

MIXED USE HOUSING

PARKING LOT

MANGROVE PLAYGROUND

OUTDOOR CAFE

SPLASH PAD

SURROUNDING MANGROVE FOREST

UPDATED STREETScape

COMMUNITY CENTER

MOUND HIGH POINT OVERLOOK AND OPEN LAWN

EMERGENCY ACCESS/ PEDESTRIAN WALKWAY

COMMUNITY ACCESS POINT

SHADED SEATING AREA

SECONDARY PATHWAY

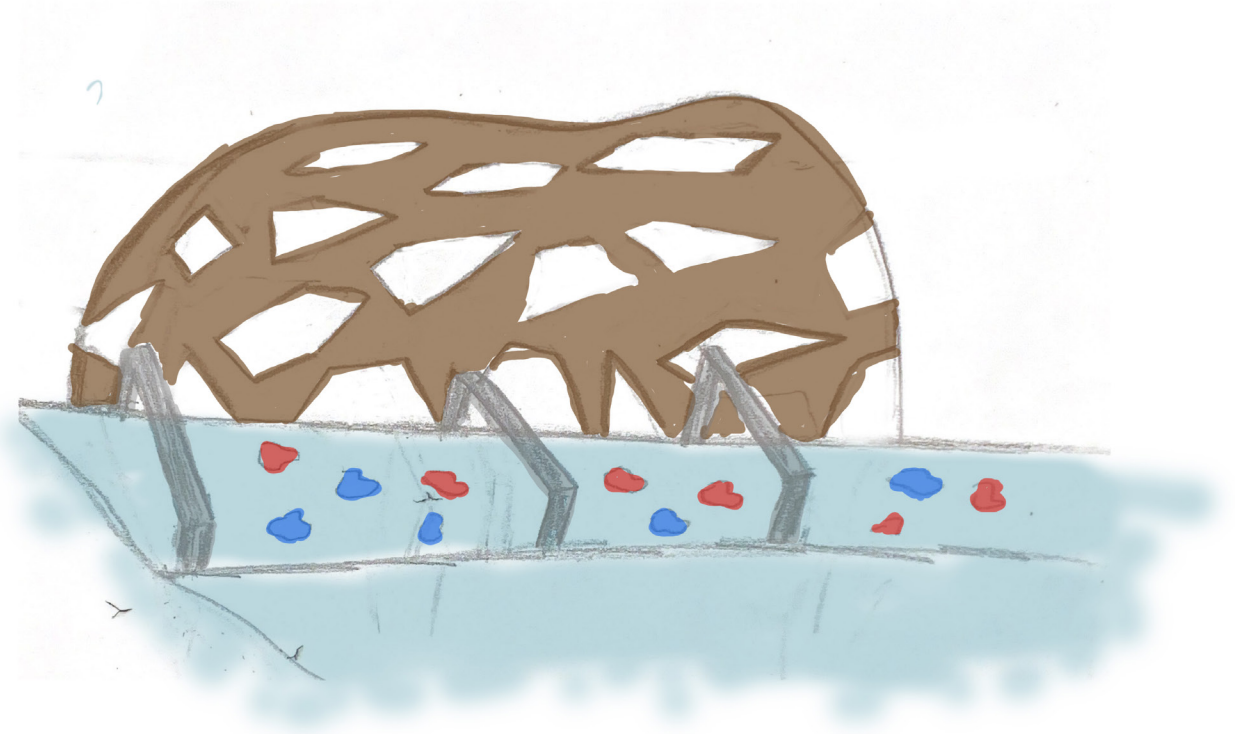
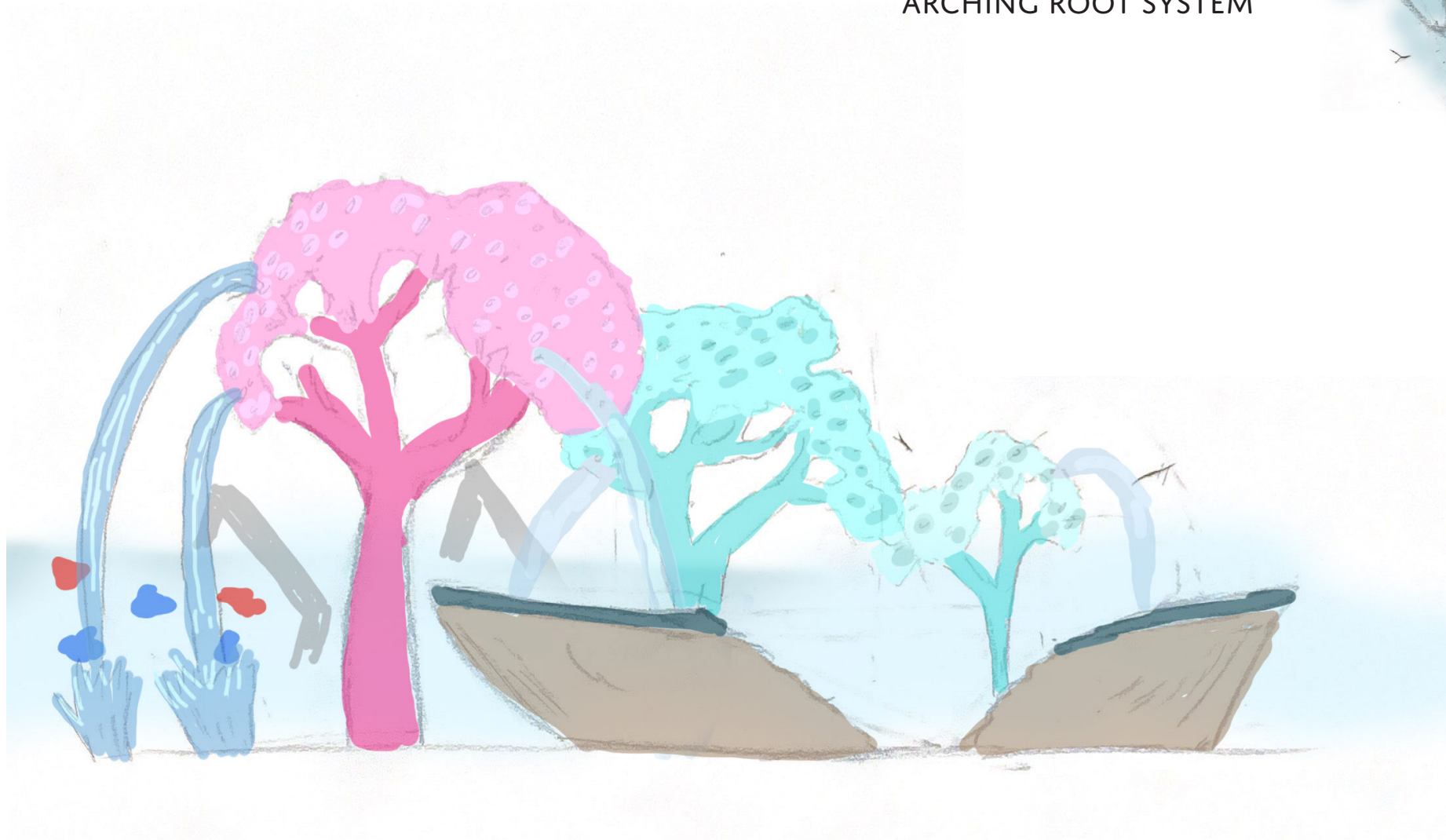
BEACH AND BOARDWALK OVERLOOK

KAYAK LAUNCH

PERSPECTIVES

ROCK WALL AND JUNGLE GYM

A SLOPING ROCK WALL HAS CORAL INSPIRED HANDHOLDS FOR CHILDREN AS THEY HEAD TOWARDS A JUNGLE GYM, INSPIRED FROM THE MANGROVE TREES ARCHING ROOT SYSTEM



SPLASH PAD

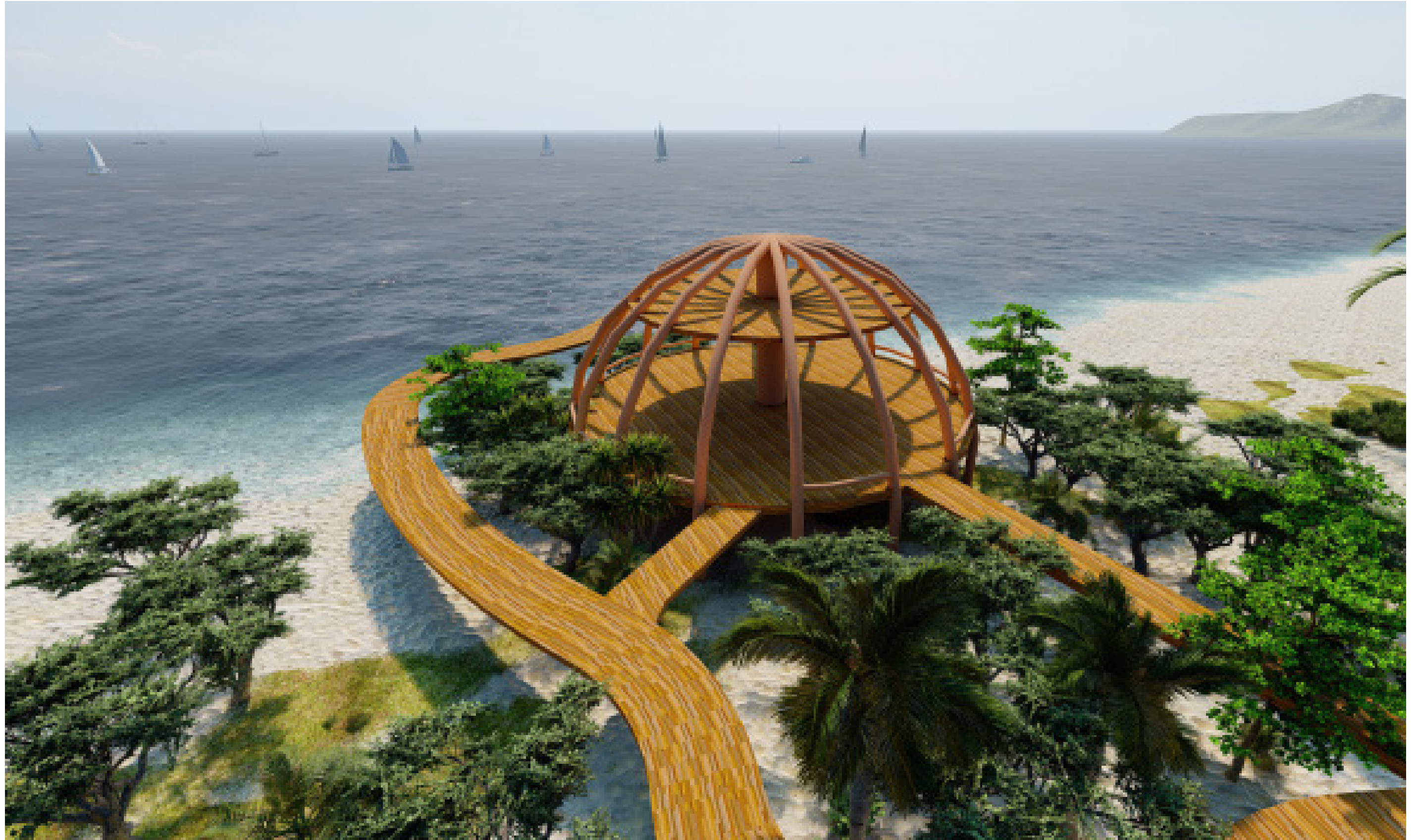
A CORAL INSPIRED WATER PLAYGROUND WHICH HAS CORAL WATER STRUCTURES AND A BOAT

PERSPECTIVES



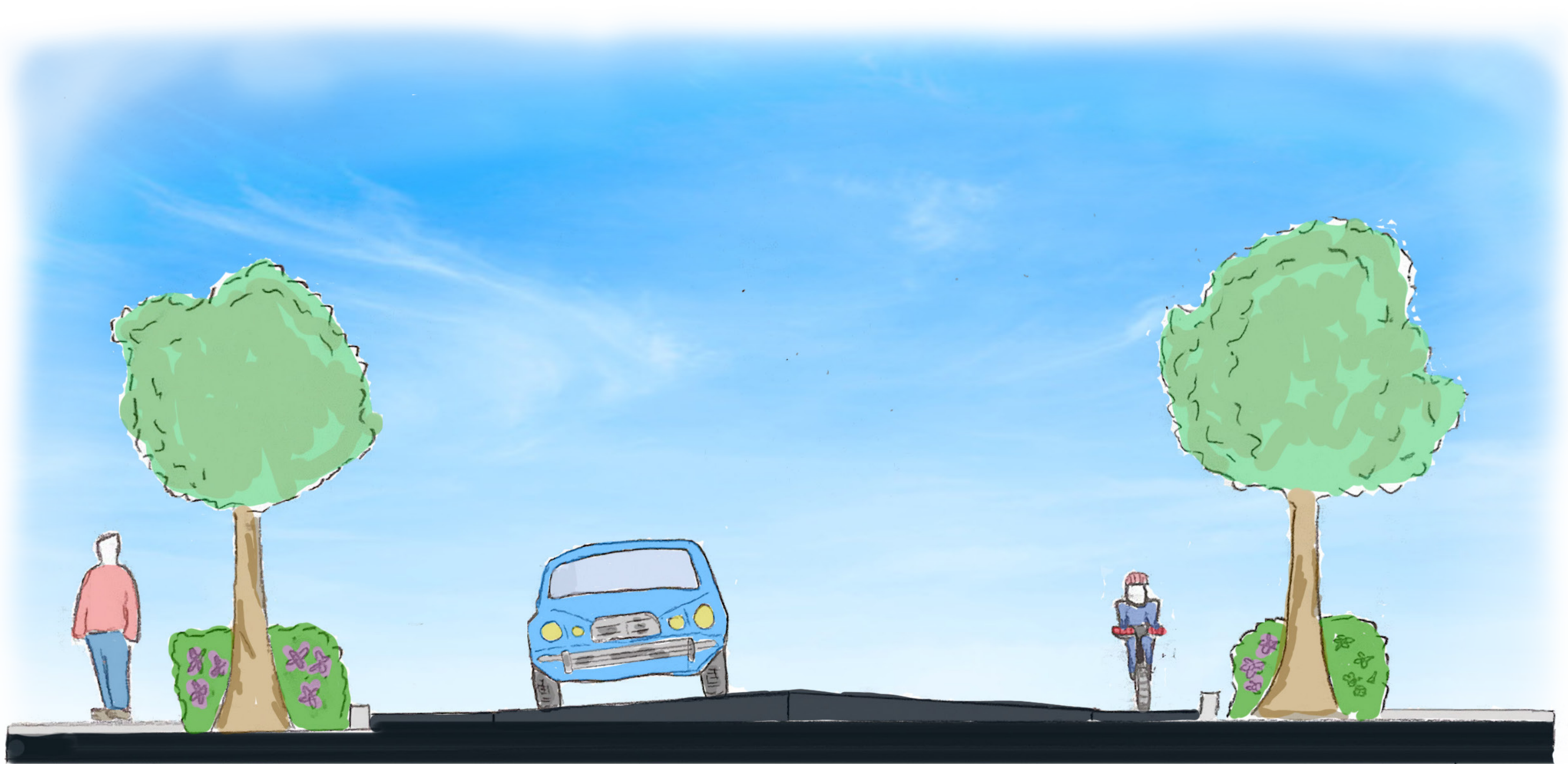
BOARDWALK THROUGH THE MANGROVE TREES

P E R S P E C T I V E S



RAISED PERGOLA AND SURROUNDING BOARDWALK

CROSS SECTIONS



STREET VIEW

PRECEDENT IMAGERY

OUR GROUP BROUGHT A VAST DIVERSITY OF EXPERIENCE TO THE TABLE DURING OUR FIRST DESIGN BRAINSTORMING SESSION. WORLD'S END IN HINGHAM, MASSACHUSETTS, DESIGNED BY FREDERICK LAW OLMSTED INSPIRED THE IDEA OF THE NATURAL BARRIER SURROUNDING OPEN, ROLLING HILLS. THE CONCEPT OF BLENDING LANDSCAPE AND PLAY CAME FROM SWITCHYARD PARK IN BLOOMINGTON, INDIANA.



SWITCHYARD PARK, BLOOMINGTON, INDIANA



WORLD'S END, HINGHAM, MASSACHUSETTS

FINALLY, BRINGING IT CLOSER TO HOME, WE DREW INSPIRATION FROM THE CHATTAHOOCHEE RIVERLANDS IN THE ATLANTA METRO AREA. WE WERE INSPIRED BY THE WALKWAYS AND BOARD WALK. WE WANTED MANGROVE BAY TO MIMIC THE PROJECTED RELATIONSHIP BETWEEN PEOPLE AND THE NATURAL ENVIRONMENT.



THE CHATTAHOOCHEE RIVERLANDS, COBB COUNTY, GEORGIA

MATERIAL IMAGERY



HUDSON BENCH, FORMS + SERVICES



CIRCUIT BENCH, FORMS + SERVICES



AVIVO PEDESTAL TABLE, FORMS + SERVICES



LIGHT COLUMN PEDESTRIAN LIGHTING, FORMS + SERVICES



OLYMPIA BIKE RACK, FORMS + SERVICES



APEX LITTER & RECYCLING RECEPTACLE, FORMS + SERVICES



BELGIAN COBBLE IN MOONLIGHT, BELGARD



BELGIAN COBBLE IN MOONLIGHT, BELGARD



CORAL STONE PAVERS, STONE HARDSCAPES



WESTON STONE™ FIRE PIT KIT, BELGARD



AQUALINE, BELGARD



ECO URBANA, BELGARD

1. MAHOGANY (*SWIETENIA MAHAGONI*)
2. SWEETBAY MAGNOLIA (*MAGNOLIA VIRGINIANA*)
3. RED MANGROVE (*RHIZOPHORA*)
4. RED BAY (*PERSEA BORBONIA*)
5. LIVE OAK (*QUERCUS VIRGINIANA*)
6. BALD CYPRUS (*TAXODIUM DISTICHUM*)
7. SWEET ACACIA (*VACHELLIA FARNESIANA*)
8. PARADISE TREE (*SIMAROUBA GLAUCA*)
9. AMERICAN SYCAMORE (*PLATANUS OCCIDENTALIS*)
10. SANDPINE (*PINUS CLAUSA*)
11. LAUREL OAK (*QUERCUS LAURIFOLIA*)
12. SOUTHERN MAGNOLIA (*MAGNOLIA GRANDIFLORA*)

