

Healthy Placemaking



ktua

Planning and
Landscape Architecture

UCSD Scripps Institution of Oceanography Coastal Meander Trail

KTUA PROFILE AND SERVICES

LANDSCAPE ARCHITECTURE

- Civic and Public Works
- Parks and Recreation
- Healthcare
- Education
- Housing
- Hospitality
- Office and Commercial

PLANNING

- Land Use Planning
- Transportation Planning
- Active Transportation Planning
- Recreation Planning
- Resource Planning
- Federal Planning

SUPPORT SERVICES

- Public Outreach
- GIS
- 3D Modeling and Simulations
- Sustainable Design
- Water Management
- Grant Writing

As planners and landscape architects, KTUA is focused on the principles of healthy placemaking – a collaborative process for reshaping the public realm of our neighborhoods, communities, and regions. The link between our natural and built environments and the health of individuals, families, and communities is real. Well designed streets, parks, open spaces, public places, and buildings facilitate human connectivity and improve people's mental, physical, and social health. In our vision and our actions, KTUA collaborates with community leaders, public agencies, private developers, allied professionals, and families to develop implementable plans that address social, physical, environmental, and economic goals that shape healthy places. By building support for these plans and projects from the ground up, we provide opportunities for civic engagement and transformative ideas.

OUR PLANNING AND DESIGN PROCESS INCLUDES

- Listening to the community and stakeholders so that we fully understand their needs;
- Creating places that are attractive, convenient, safe, and healthy;
- Designing to encourage social, civic, and physical engagement;
- Protecting, enhancing, and restoring the environment;
- Improving the daily lives of people of all ages and abilities by providing options for housing, transportation, education, and social interaction; and
- Maximizing enjoyment and economic benefit while minimizing risk, liability, and injury.

OUR PASSION FOR HEALTHY PLACEMAKING

- KTUA staff members are involved in their communities, from community planning groups and advisory boards to philanthropic groups and student mentoring programs, with the goal of effecting positive change in our neighborhoods.
- KTUA's efforts to promote planning and design projects that focus on healthy placemaking have been recognized by our professional organizations such as ASLA, APA, ULI, APWA, and SAME.



CONTACT

KRISTIE BEVACQUA

Director of Marketing &
Business Development

619-294-4477 ext. 107

kristie@ktua.com

www.ktua.com

Who Will Work on Your Project?

All 30 of our staff members, from the principals to the designers, are hands-on. The team that is working on your project will stay in place from start to finish, ensuring that transitions from one phase of a project to another will be seamless and efficient.

Collaboration among our diverse staff – consisting of planners, landscape architects, GIS analysts, facilitators, and graphic artists – allows us to fully understand the larger perspective and implement the fine-grained details that contribute to project success.

HIGHER EDUCATION | UNIVERSITIES

PUBLIC UNIVERSITIES

San Diego State University

- Aztec ENS 700 Field
- Baseball, Tennis & Aquaplex Facility
- Campus Bike & Skateboard Study
- Chemistry Building (1990)
- Confucius Institute
- Cox Arena
- Cuicacalli Suites
- Destination SDSU
- Engineering Building (1990)
- Love Library Addition MP (1993)
- Nahuatl Healing Garden
- Open Air Theater Renovation
- East Campus Housing MP (1998)
- Student Fields (AS-Soccer)
- Tony Gwynn Stadium

Cal Poly San Luis Obispo

- South Campus Student Housing

Cal State San Marcos

- Athletic Complex Master Plan
- Baseball and Softball Fields
- Campus View Drive Extension, Parking Structure 1, Phase 1
- Campus ADA & Wayfinding Study

University of California San Diego Hillcrest Campus

- Utility Bridge and infrastructure

University of California San Diego

- Bicycle and Pedestrian Master Plan
- Central Research Services Facility
- East and North Campus Recreation Areas (1992)
- Faculty Club (1988)
- Gilman Drive Bridge
- Gilman Drive Transit Center
- International Relations and Pacific Studies Building (1990)
- NOAA Revegetation
- North Campus Mall (1990)
- Pepper Canyon Voight Dr LRT
- Preuss School Soccer Field (2004)
- Rita Atkinson Residences
- Ropes Course
- Scripps Institution of Oceanography Coastal Meander Trail
- Scripps Institution of Oceanography Dry Weather Flow Elimination and Pollutant Source Control Program
- Scripps Institution of Oceanography Eckart Coral Garden
- Scripps Institution of Oceanography Old Director's House
- Social Sciences Building (1996)

University of California Santa Barbara

- Campus Circulation Master Plan

University of San Diego

- Arthur and Marjorie Hughes Center
- Camino and Founders Hall
- Fowler Field and Cunningham Stadium
- Hogan West Tennis Facility
- Immaculata (1989)
- Jenny Craig Pavilion (2001)
- Law Library (1989)
- Learning Commons
- Knauss Center for Business Education
- Maher Memorial Garden
- Maher Pedestrian Mall (1993)
- Master Plan Revisions for Athletics, Recreation, Intramural and Clubs
- Paseo de Colachis/Copley Library
- Softball, Golf & Club Sports Facility
- Wellness Center
- West Hill Parking Structure (2004)

PRIVATE UNIVERSITIES

Point Loma Nazarene University

- Cooper Music Center
- Nicholson Student Commons
- Ryan Library Expansion

William Jessup University

- Landscape Master Plan

EF International

- Point Loma Campus



SDSU Nahuatl Healing Garden



University of San Diego Paseo de Colachis

“

As the prime consultant, it was critical for the project to deliver on time. We worked with subconsultants to complete concept designs, construction documents, and process improvement and building plans at the city in just eleven months for the plaza and just five months for the library expansion.

BROOKE WHALEN,
PRINCIPAL LANDSCAPE ARCHITECT

”

The new Paseo de Colachis expands the central pedestrian promenade at the University of San Diego by closing down an existing two way vehicular street with a median and continues the outdoor plaza and pedestrian mall to serve as an inviting gathering and activity place for students and staff. Vehicular drop-offs are integrated into the design of the plaza at both the west and east ends of the site to accommodate the University's tram service which allows students, staff and visitors access to the rest of campus.

Sitting on a hillside with expansive views out to the Pacific Ocean, a large decorative tile and stone fountain identify the entry to the plaza. This fountain and pedestrian plaza surrounding it forms the gateway into campus. The site is arranged in three distinct landscape spaces: the lawn, the garden, and the plaza, and includes formal gathering plazas with casual furnishings, outdoor classroom spaces, a large lawn for free play and community events, an overlook area, and a native demonstration garden. Accessible paths to every building were accommodated with integrated terraces, formal ramps and stairs to account for the significant grade changes across the entire plaza.



Cal Poly San Luis Obispo Student Housing (Yak?ityutyu)



KTUA was part of a design-build team to complete the new “Yak?ityutyu” Student Housing at Cal Poly San Luis Obispo. The 12-acre site includes six residential halls (1,475 beds), a parking structure, a café and a welcome center for the campus. The site design provides diverse opportunities for active and passive recreation and the enjoyment of the outdoor environment, while responding to the need for efficient pedestrian access and vehicular circulation. While the project was never officially certified, the design integrated sustainable features to achieve LEED Platinum.

Within the site, a collection of gathering areas along pedestrian walkways connect the housing area to the core campus. Open spaces are defined by three large student gathering areas with smaller scale study spaces in between buildings. The first community gathering space is the Village Square where visitors new to the campus can learn about the campus history through interpretive signs and gather in a large outdoor plaza and amphitheater for campus orientation tours. This space acts as an entry plaza to the café, retail, community lounge, and post office for residents. The Village Green is centered within the project and includes a large lawn with concrete stadium seating shaded by large canopy trees. The lawn can accommodate a range of active and passive activities.

Providing both pedestrian and bike connections with these outdoor spaces, Mustang Way leads from the hub of student life at the center of

campus and connects with the adjacent neighborhood through the center of the site. The path is marked with colored concrete and enhanced by a uniform row of pine trees adjacent to the path through the entire site. Mustang Way is terminated at both ends by an allee of Ginkgo trees. These trees, turning gold in the fall, creating an identifiable gateway. In addition, a bioswale runs through the core of the site to capture site runoff, and cleanses the stormwater through plant material. As an interpretive feature representing the local geography of the Morros, a total of nine boulders representing the formation of the nine sisters peaks spread along the main path. Interpretive signs about the formation provide an educational experience. The boulders are placed in proportion to each other relating to their true elevation. As students walk along the path, the rocks are laid out in the order of the formation beginning at the north corner of the site with Morro Rock and ending with Islay Hill. These boulders are highlighted by a colored concrete band in the main walk with the name of the peak as one walks north to south and their elevation as one walks





University of San Diego Knauss Center for Business Education

KTUA provided the site and landscape design for a new Knauss Center for Business Education, as well as the adjacent campus intersection. KTUA helped establish a strong sense of place by unifying the design of the intersection with the overall campus design style and purposefully designing the site's streetscape edge which serves as a major thoroughfare for the campus. The business education center site design includes a multipurpose courtyard internal to the building designed to accommodate everything from typical day to day campus activities to hosting large events. The

design also includes connections to the adjacent pedestrian campus spine, the Paseo de Colachis previously designed by KTUA, landscaping, and integrated Low Impact Development facilities. The project expanded the School of Business footprint from the existing 48,000 sq. ft. to more than 120,000 sq. ft., and also significantly increased the quantity, variety, and programming opportunities within the outdoor spaces.



HIGHER EDUCATION | COMMUNITY COLLEGES



San Diego City College
Early Education Center

Grossmont College Native Gardens



Before

CUYAMACA COLLEGE

- Physical Education Facility

GROSSMONT COLLEGE

- Building 51/55 Liberal Arts & Business Technology Complex
- Child Development Center
- Digital Arts and Sculpture Building**
- Facilities Master Plan Update
- Health/Sciences Complex
- Landscape Standards
- Landscape Trail Master Plan
- Native and Meditation Gardens
- Parking Structure
- Student Services/Griffin Center

PALOMAR COLLEGE

- Campus Arboretum**
- Howard Brubeck Theater Renovation

MIRACOSTA COLLEGE

- Art and Music Storage Building**
- Dance Studio**
- Student Services Center
- Biotech and Chemistry Building
- San Elijo Campus Building 400 and Building 600 Outdoor Classroom

MORENO VALLEY COLLEGE

- Landscape Renovation

ORANGE COAST COLLEGE

- Campus Bike/Skateboard Master Plan

SAN DIEGO CITY COLLEGE

- Child Development Center

SOUTHWESTERN COLLEGE

- Auto Technology Center
- Campus Master Plan Landscape Design Guidelines
- Instructional Technology
- Instructional Building #1
- Landscape Nursery Technology Center and South Bay Botanical Garden**
- Facilities & Maintenance Department**
- Jaguar Classroom Village
- Student Union Complex
- Tennis Facility
- Tradewinds Cafe Renovation
- Transit Center

**Plans were processed through DSA

NATIVE GARDENS

- Grossmont College Native and Meditation Gardens
- UC San Diego Eckart Coral Garden
- Moreno Valley College Landscape Renovation
- Palomar College Arboretum
- Living Coast Discovery Center Pollinator Garden

“ The new drought-tolerant landscaping is part of Grossmont College’s outdoor education zone. The sustainability project transformed campus landscaping with drought-tolerant native plants, creating outdoor learning labs for Biology and Earth Science courses, while conserving water and campus resources.

– GROSSMONT COLLEGE

HIGHER EDUCATION | CAMPUS PLANNING



WILLIAM JESSOP UNIVERSITY

- Landscape Master Plan Update

GROSSMONT COLLEGE

- Facilities Master Plan Update

SOUTHWESTERN COLLEGE

- Campus Master Plan Landscape Design Guidelines
- Landscape Nursery Technology Center and South Bay Botanical Garden Master Plan

UC SAN DIEGO

- Long Range Development Plan Graphic Support
- Bicycle and Pedestrian Master Plan
- North Campus Recreation Area Master Plan

SAN DIEGO STATE UNIVERSITY

- Existing Conditions Master Plan
- Athletics Field Feasibility Study
- Bicycle and Skateboard Master Plan

CAL STATE UNIVERSITY SAN MARCOS

- Sports Complex Master Plan
- Campus ADA and Wayfinding Study

ORANGE COAST COLLEGE

- Campus Bike/Skateboard Master Plan

UC SANTA BARBARA

- Campus Circulation Element
- Isla Vista Mobility & Community Plan

HIGHER EDUCATION | CAMPUS HOUSING



EF International

UC San Diego Rita Atkinson Graduate Student Housing



The KTUA landscape concept plan for the UCSD 226,000-square foot, 225-bed Rita Atkinson Residences project emphasizes the functionality of sustainable landscape combined with aesthetic expression designed to provide a healthy and pleasing environment for graduate students while achieving a LEED Gold rating.

The \$43 million design-build project minimized site disturbance, recycled existing on-site materials, utilized low water-use planting, rapidly renewable plant materials and permeable pavements, maximized open space, and created strong pedestrian and bicycle connections to the University campus. With KTUA's assistance, the 2-acre site was graded and balanced to avoid off-site export, minimize site walls, and limit disturbance of existing landscape and habitat. Working with the design-build team, KTUA provided an early analysis of applicable points to achieve the LEED rating, particularly in the areas of Sustainable Sites and Water Efficiency.

CAMPUS HOUSING

- Cal Poly San Luis Obispo South Campus Student Housing
- EF International Student Residence
- SDSU Cuicacalli Residential Suites and Dining Complex
- SDSU East Campus Housing
- SDSU Tenochca Hall Additions
- UC Merced Gardenvue Suites
- UC San Diego Rita Atkinson Graduate Student Housing
- UC San Diego Matthews Student Housing
- UC San Diego East Campus Apartments
- USD Alcalá/Mission Apartments
- 5030 College (off-campus housing)

Cal Poly San Luis Obispo Student Housing



Photo by Bruce Damonte

EDUCATION | K-12 & CHILD DEVELOPMENT CENTERS

PRIVATE SCHOOLS

- Horizon Prep School (2008)
- La Jolla Country Day School (2009)

K-12 EXPERIENCE (SINCE 2010)

San Diego City Schools

- Bell Middle School Modernization
- Emerson Bandini Elementary School
- Florence Griffith Joyner Elementary School
- Hearst Elementary School Perimeter Fencing
- Kroc Creative, Performing and Media Arts School
- Lincoln High School Accessible Path of Travel
- Lindbergh-Schweitzer Elementary School
- Mira Mesa High School Whole Site Modernization and Music Education Building
- Morse High School Athletic Fields, Culinary Arts Center, Child Development Center, Campus Modernization
- Scripps Ranch High School Modernization and New Classroom

La Mesa/Spring Valley School District

- Bundle D
- Entry Modifications

Sweetwater Union High School District

- Eastlake Middle School Shade Structures
- Mar Vista High School Aquatics

Grossmont High School District

- El Capitan High School Agricultural Complex
- Santana High School Plaza
- Viking Hall, Valhalla High School

Solana Beach Elementary School District

- Solana Highlands Elementary School
- Solana Ranch Elementary School

Escondido Union High School District

- Orange Glen High School Modernization

San Bernardino Unified School District

- San Bernardino High School Makers Building

Warner Springs High School Walk of Inspiration

CHILD DEVELOPMENT CENTERS

- Grossmont College Child Development Center
- Morse High School Child Development Center
- San Diego City College Early Education Center



Mira Mesa High School Whole Site Modernization and Music Building



San Diego City College Early Education Center

The 10,000 SF child development center facility will serve as a teaching facility integrated into the college's child development curriculum. Designed to enable students to participate and observe classroom and playground activities, the facility will include two preschool, two toddler and two infant classrooms for up to 72 children. The interior classrooms play a secondary role to the outdoor play and learning environments - play as learning represents some of the newest strategies in child development. Primary spaces include: outdoor areas for various age groups (infant, toddler, pre-school), interior courtyard space, entry space, perimeter landscape.

Landscape Architecture primary elements include: nature play elements (turf berms, slide, playground hut, sand pits, classroom planters, chalkboards, playground deck, and other miscellaneous play elements. Each landscape space is meant to provide a valuable outdoor experience that encourages imaginative play, physical development, and attention restoration. Within the play yards, there are outdoor classrooms and play areas that correspond with each age group. The entry plaza and interior courtyard will provide a sensory experience using a variety of paving materials, a diverse planting palette, lighting and hardscape elements. The project achieved LEED Silver Certification.



HEALTHCARE | ASSISTED LIVING FACILITIES



Silvergate Assisted Living - Rancho Bernardo (San Diego)

ASSISTED LIVING FACILITIES

- Americare Silvergate, San Diego
- Americare Silvergate, Fallbrook
- Casa de las Campanas, San Diego
- Edgemoor Skilled Nursing Facility, Santee
- Southern California Veterans Home, Barstow
- Southern California Veterans Home, Chula Vista
- The Glen at Scripps Ranch, San Diego
- Wesley Palms, San Diego
- Westmont Encinitas Assisted Living

KTUA worked with AmeriCare Health & Retirement on a 10.88-acre site purchased from the Poway Unified School District. The campus includes a mix of residential options for senior housing including independent living, assisted living, memory care, and independent living cottages. Rather than surface parking, the project utilizes a large below-grade parking structure, exceeding the city's parking requirements.

KTUA assisted the Client and the design team with the site layout by placing larger buildings, the parking and service at the existing wooded north end, minimizing community impacts from the site. Single-story cottages, located at the south end, blend into the existing residential context. The southern perimeter has a linear park running the length of the immediate frontage of the property, creating a buffer between the street and facility. A small park is open to the public and pedestrian friendly.

An extensive pedestrian circulation system offers both regular walking surfaces and trail-like experiences. A swimming pool facility, including a spa, is located in the heart of the cottage area. Recreational amenities such as bocce and a putting green are also available to residents. The project utilizes a gray water system, capturing building water (washers, showers, kitchen, cooling systems), treating it on-site and then reusing the water for site irrigation.





Silvergate Assisted Living - Fallbrook



Silvergate Assisted Living - Fallbrook

Located in Fallbrook, Silvergate Assisted Living included modifications to two separate spaces on the property: the interior courtyard of the main building and the patio off the memory care building. The landscape scope included updates to the existing courtyards including hardscape, planting, and irrigation to provide an area for residents to gather for events, participate in activities, and meet with their family and friends.

OFFICE & COMMERCIAL

Many of the projects listed on this page span the course of our 50+ year history offering landscape architecture services to the office and commercial industry.

RETAIL DISTRICTS

- Gaslamp Quarter, San Diego
- Kimco El Camino Real North Retail Oceanside
- Old Ferry Landing, Coronado
- Park Boulevard/Adams Avenue, San Diego

SHOPPING CENTERS

- Bay View Plaza, San Diego
- Delano Grapevine Center
- Garrett Ranch, Hemet
- Los Coches Center, Carlsbad
- Hazard Mission Center
- Kimco El Camino North
- Santee Trolley Square

OFFICE BUILDINGS

- Allred Collins Corporate Center, San Diego
- AME, La Jolla
- Braille Institute, San Diego
- Centerville Towers, San Diego
- Cornerstone Corporate Center, Carlsbad
- Cubic Balboa Campus, San Diego
- KTUA Office, San Diego
- Motte Town Center - Industrial Building, Menifee
- NBC Building Renovation, San Diego
- One America Plaza, San Diego
- Pacific Center, San Diego
- Plaza Del Mar, San Diego
- Regents Park, La Jolla
- SAIC Campus Point, La Jolla
- San Diego Corporate Center, Del Mar
- San Marcos Civic Corporate Plaza
- Sunroad BMW Chula Vista
- Sunroad Corporate Center, La Jolla
- Sunroad Centrum, San Diego
- Torrey Reserve, Del Mar
- University Center, La Jolla
- Viasat Building 11, Carlsbad
- Wells Fargo/401 B Street, San Diego

SCIENCE AND TECHNOLOGY

- Dura Pharmaceuticals, Sorrento Valley
- Gilead Sciences, La Verne
- La Jolla Institute for Allergy and Immunology, La Jolla
- Ligand Pharmaceuticals, La Jolla
- Membrane Filtration Reverse Osmosis (MFRO) Process Building, Escondido
- Neurocrine Biosciences, Del Mar
- Nexus Science Center, La Jolla
- Salk Institute Expansion, La Jolla
- Torrey Pines Science, Center, La Jolla

BUSINESS PARKS/OFFICE COMPLEXES

- 16744 West Bernardo Drive, San Diego
- 10455 Pacific Center Court San Diego
- Carlsbad Research Center
- Bridge Point Office Park
- Eastgate Technology Park Reinvestment, San Diego
- Governor Business Park, San Diego
- Parkway Business Center, Poway
- Manchester Pacific Gateway
- Solana Beach Corporate Center
- Stonecrest Business Park
- Union Tribune Site Redevelopment



Delano Grapevine Shopping Center

Gilead Sciences, Lavern



CIVIC & PUBLIC WORKS | INFRASTRUCTURE

LIBRARIES/COMMUNITY CENTERS

- Bonita Library Addition Basis of Design, County of San Diego
- Encinitas Library Kiosk, Encinitas
- Grover Beach Senior Center, Grover Beach
- Lemon Grove Family Resource Center, Lemon Grove
- Mission Valley Library, San Diego (2002)
- Mickey Cafagna Community Center, Poway
- Nobel Library, San Diego (2004)
- Point Loma Library, San Diego (2004)
- Rancho Penasquitos Library Renovation
- Santee Community Center, Santee
- San Ysidro Activity Center, San Ysidro
- University of San Diego Copley Library Entrance (and Paseo de Colachis)

BRIDGES

- El Camino del Norte Bridge Habitat Restoration Plan, Encinitas
- Lake Hodges Pedestrian/Bike Bridge Conceptual
- Switzer Canyon Bridge Improvements Project, San Diego
- UCSD Gilman Drive Bridge Interstate 5, La Jolla
- Willow Street Bridge Renovation, Chula Vista

FIRE STATIONS, PUBLIC SAFETY, PUBLIC HEALTH

- County Juvenile Hall Expansion, San Diego
- County of Santa Barbara Probation Headquarters
- East Crisis Stabilization Unit, County of San Diego
- Garden Grove Fire Station, Garden Grove
- Oceanside Crisis Stabilization Unit, Oceanside
- Ohio Street Rebuild (Redevelopment - Adult and Juvenile Probation Services), San Diego
- Rancho San Diego Sheriff Substation San Diego
- Rancho Santa Fe Fire Station, Rancho Santa Fe
- San Diego County Medical Examiners, San Diego
- SURTS National City Rehab, National City

PARKING STRUCTURES

- Cal State San Marcos Parking Structure Infrastructure, San Marcos
- De Anza NE Parking Lot and ADA Path of Travel Improvements, San Diego
- Grossmont Medical Office Building Parking Structure, La Mesa
- North County Regional Center Parking Lots, County of San Diego Superior Court
- Park Row, San Diego
- Saint Joseph's Medical Office Building Parking Structure, Santa Ana
- San Diego Airport Rental Car Center, San Diego
- Santa Barbara Airport Terminal and Parking, Phase I
- Scripps La Jolla Entry Plaza and Parking Structure, La Jolla
- Southwestern College Parking Structure D/B Criteria
- University of San Diego Parking Structure, San Diego

AIRPORTS

- San Diego Airport T2 Sidewalk & Crosswalk Improvements
- San Diego Airport Rental Car Center, San Diego
- San Diego International Airport Terminal 2 Modifications
- San Diego Airport Lindbergh Field IAP

UTILITIES

- SDG&E Main Line Valve Site - La Honda Segment
- SDG&E North Valley Substation Rebuild
- SDG&E CAST Mission Gate Entrance
- SDG&E Greencraig Campus Parking Lot B
- SDG&E Rancho Santa Fe Substation Simulation
- SDG&E Rancho Mission Viejo Substation
- SDG&E Streamview Station
- SDG&E Avocado Substation
- SDG&E Imperial Beach Substation
- SDG&E Mission Skills DCC
- SDG&E Los Coches Substation
- SDG&E Point Loma Substation Rebuild
- SDG&E Specifications
- SDG&E San Juan Capistrano Substation
- SDG&E Encina Water Pollution Protection Facility
- SDG&E Urban Switchgear Replacement
- SDSU TOCA Heating Hot Water Plant
- North Pleasant Valley Desalter Project
- Fountain Valley Reservoir #2 Pump Station
- Huntington Beach Water Operations Yard
- MCAS Miramar Fuel Pipeline Repair
- Scripps Ranch Pump Station
- Lake Hodges Pump Station
- Otay Water District Pump Stations/Reservoir
- Chollas Water Operations Facility
- San Diego Metropolitan Operations Complex Water Conservation Garden



Seal Beach Pump Station, rendering by KTUA

San Diego Airport Rental Car Center



The 25.5-acre San Diego International Airport Rental Car Center (RCC) serves as a welcoming point of entry for visitors to the San Diego region and an enhancement to the north side of the airport campus. Two distinct “front doors” are located along the north and south sides of the structure. The RCC includes parking for 5,400 cars, and 14 car rental companies within the 2 million SF campus. The construction cost was \$316 million.

The landscape theme of the RCC reflects San Diego’s unique location and significant natural features. The landscape reflects the idea of movement, which is indicative of travel as well as the surrounding natural systems of wind and water, and is recognizable from both the air and ground. Palm trees accentuate the architecture and represent major paths of travel through the site. Site appropriate plant materials were selected for drought tolerance and low maintenance, with plant material colors and textures reinforcing the theme of movement, accent, and scale. California natives. Coastal compatible plants were key to providing a balance of minimizing water use.

The project was collaboratively designed and built with sustainable strategies to achieve a LEED Silver rating. Water

is captured in seven on-site bioswales and filtered through the planting areas in compliance with regulations to seamlessly integrate the landscape design with the storm water systems and the Storm Water Pollution Prevention Plan. The treatment control BMPs include: infiltration, capture and reuse, biofiltration, and mechanical treatment.

An important goal of the project was to provide pedestrian access to the future Intermodal Transit Center by integrating pedestrian linkage into and through the RCC site. This linkage supports the San Diego regional transportation goals of encouraging the use of mass transit, minimizing airport related traffic impacts to adjacent communities and improving intermodal access to the airport and airport facilities. The themed pedestrian and vehicular concrete paving was enhanced with color, special finishes and enhancements. Also included were furnishings such as picnic tables, benches, and a dog relief area. The palm-lined 1,400-foot long fire lane along Pacific Highway serves as an attractive streetscape amenity.

PUBLIC FACILITIES



South patio greenwall and water feature

County of San Diego Oceanside Crisis Stabilization Center

KTUA designed planting and irrigation for two patios accessible from the interior of a Crisis Center Unit building. The landscape amenities at the center included three greenwalls within and outside of the building, two custom decorative fountains, and a custom raised planter. Planting design accommodated the low light levels intrinsic to an interior building environment and the irrigation system interfaced with the building's plumbing system.

KTUA provided schematic design and preparations of construction documents through construction. The first floor of the existing County of San Diego building will be converted from parking spaces into an enclosed clinic for the crisis center. Site design includes enclosed north and south patio layouts, water features, a living wall, interior planters, and reparation of perimeter planting and irrigation surrounding the existing building.



PARKS & RECREATION | PARKS & PLAYGROUNDS



North Ocean Beach Gateway



Alga Norte Community Park

PARKS MASTER PLANS (PMP)

- City of Desert Hot Springs PMP
- City of Encinitas PMP
- City of Goleta Stow Grove PMP
- City of Goleta PMP
- City of Hesperia PMP
- City of La Mesa PMP
- City of La Mesa MacArthur PMP
- City of Menifee PMP
- City of Montclair PMP
- City of Montebello PMP
- City of Moorpark PMP
- City of Moreno Valley Parks, Trails & Community Services Master Plan
- City of Oceanside PMP
- City of Ontario PMP
- City of Perris PMP
- City of San Gabriel PMP
- City of Santa Maria PMP
- City of Santee PMP
- City of Signal Hill PMP
- City of Victorville PMP
- Communities of Phelan and Piñon Pines PMP
- County of Riverside PMP
- County of San Bernardino Regional PMP
- County of San Bernardino Prado PMP
- County of San Diego PMP
- Girl Scouts San Diego-Imperial Council Recreation Facilities Master Plan
- Port of San Diego Parks Inventory and Assessment
- Stone Creek PMP
- City of Victorville PMP
- City of Whittier PMP

COMMUNITY PARKS

- Alga Norte Community Park, Carlsbad
- Buccaneer Park Improvements, Oceanside
- Buena Vista Recreation Area Improvements, Kern County
- Breen Park, San Diego
- Cabrillo Heights Park Rain Gardens, San Diego
- Cañon Street Park Pocket Park
- Canyon Hills Resource Park, San Diego
- Carmel Valley Community Park, San Diego
- Cesar Chavez Park, Port of San Diego
- Carmel Valley Park, San Diego
- Chula Vista Bayfront Sweetwater Bicycle Path and Promenade, Chula Vista
- Chula Vista Bayfront Sweetwater Park, Chula Vista
- Chumash Cultural Project at Ambassador Park, Santa Barbara
- Conejo Community Park, Thousand Oaks
- De Anza NE Parking Lot and ADA Path of Travel Improvements, San Diego
- Dusty Rhodes Park, San Diego
- Escondido Creek Conservancy Grape Day Park
- Eucalyptus Park, Chula Vista
- Heber Park, Calexico
- La Paz Mini-Park (Valencia Park), San Diego
- Marcy Neighborhood Park Improvement, San Diego

- McAdam Park Improvements, Palmdale
- Memorial Park ADA, San Diego
- Mickey Cafagna Community Center, Poway
- Mira Mesa Community Park, San Diego
- North Park Mini-Park, San Diego
- Nobel Athletic Area and Library, San Diego
- Oceanside Dog Park, Oceanside
- Ocean View Hills Park, San Diego
- Olive Street Park, San Diego
- Otay Ranch Grove Park Chula Vista
- Pepper Park, National City
- Playa Pacifica Park Improvements, San Diego
- Porterville Community Park, Porterville
- Rancho Bernardo Community Park, San Diego
- Rancho Mission Canyon Park, San Diego
- Salt Creek Community Park, Chula Vista
- Sam Yellen Park, Palmdale
- Southcreek Park, San Diego
- Southcrest Trail Park, San Diego
- Sunshine Berardini Park General Development Plan, San Diego
- Sweetwater Bike Park, Chula Vista
- Taft Joint Use Park, San Diego
- Ward Canyon Park, San Diego



City of San Diego North Park Mini-Park

Construction was recently completed for the new urban plaza mini park in the North Park neighborhood of San Diego. The 0.75-acre park site converts an existing surface parking lot into a new lively and vibrant mini park. The site is centrally located in the core of North Park behind the Conservatory Theater on North Park Way. The new mini park will provide the neighborhood with passive recreation amenities as well as being a venue for highly activated community events that may include expansion of the North Park Thursday Market, food truck events, small concerts, movie nights, and art gatherings.

KTUA was the prime design consultant leading a team that included an architect, a wayfinding consultant, as well as civil, electrical, and structural engineers. The park was designed to function as a multi-use urban plaza with carefully placed landscape improvements to soften the plaza and create a comfortable and inviting urban space. The plaza is characterized by highly refined and enhanced paving, a permanent raised stage area, and space for temporary stages and a movie screen on the back side of the Observatory Theater. An ample amount of concrete seat walls and precast concrete table and chair ensembles provide seating and socializing areas. Canopy shade trees and flowering accent trees provide shade

and screening of the park. Interactive, passive recreation improvements included a children's tensile rope climbing structure, musical instruments, and informal seating and gathering areas. The park's identity was realized by two large neighborhood wayfinding spires and a large, curved North Park identity wall constructed with 6-foot-tall concrete letters. The curved identity wall serves to help define the large central plaza of the park as well as provide a stunning landmark for North Park.

Interactive musical instruments pay homage to the adjacent historic North Park theater and the performing arts.



Port of San Diego Chula Vista Bayfront Parks



Sweetwater and Harbor Parks

The Chula Vista Bayfront project represents one of the largest waterfront developments in Southern California. KTUA and its team of consultants have been working with the Port of San Diego and the City of Chula Vista since 2016 on the master planning, programming and design of the two waterfront park sites associated with the project. Harbor Park (21 acres) provides signature amenities, recreational opportunities, and programming adjacent to the resort hotel and convention center. Sweetwater Park (48 acres) connects visitors with the unique ecosystem of San Diego Bay, enhances and protects sensitive habitat resources, and provides environmental exploration and recreation.

Sweetwater Bike Path and Promenade

Trails are an important component of the project. Nearly four miles of trails are proposed in Sweetwater Park. KTUA prepared and secured a \$5M Urban Greening Grant for the first phase of an extensive path system that provides exercise opportunities and connects park users to natural recreational features such as grassy mounds, dunes, a dry creek-bed and basin system, and overlooks with views to the bay. Interpretive elements and programs inform and enrich all park users.





Port of San Diego Pepper Park Master Plan - Schematic Phase

The Pepper Park Master Plan is a collaborative and multidisciplinary effort aimed at establishing a grand vision for Pepper Park. The master plan includes comprehensive community and stakeholder engagement, creation of multiple design alternatives, and the development of schematic drawings to guide future design and construction of park amenities.

major outcomes of the master plan include schematic drawings for the entire park site and construction documents for a handful of park elements called “Early Action Items” that will be constructed by June 2024 thanks to federal stimulus funds the Port received via the American Rescue Plan Act and the State of California’s Coronavirus Fiscal Recovery Fund.

The design team and participants explored park features and recreation opportunities through a series of online and in-person workshops available in English, Spanish, and Tagalog. The proposed concepts depicted park elements that will transform the existing 5.2-acre park and the 2.5-acre expansion into a fun and beautiful space that National City residents and visitors will enjoy for years to come. Two





City of Santee Master Plan and Community Center

KTUA worked with a team as part of the 2018 Parks and Recreation Master Plan which identified the development of a community center as a high priority. KTUA served as a subconsultant, to prepare a site plan and feasibility study for the development of a senior

center, teen center, special event center and gymnasium. The project looked at three locations in Town Center Community Park. Alternative programming and initial floorplans were also developed. One site was then selected and a phased site plan

developed. The project was developed as a two story special event center with roof top decks and views over the Santee Valley and foothills. Special issues included drainage, emergency vehicle access and parking lot preservation.

COMMUNITY CENTERS

- City of Santee Community Center
- City of Carlsbad Alga Norte Community Park and Community Center
- City of Chula Vista Salt Creek Community Park and Community Center
- City of Grover Beach Senior Center Feasibility Study
- City of Guadalupe Royal Theater
- Town of Phelan Community Park and Community Center
- City of Porterville Neighborhood Community Center
- City of Poway Mickey Cafagna Community Center
- Rincon Community Park, Valley Center
- City of San Diego Mission Trails Regional Park Visitor and Interpretive Center
- City of San Diego San Ysidro Activity Center Improvements
- City of Thousand Oaks Conejo Community Park, and Community Center
- City of San Ysidro, San Ysidro Activity Center
- County of San Diego Lemon Grove Family Resource Center

“

The city council voted to accept staff's recommendation to select the “Riverview” as the preferred site and affirm the Community Center is still a tier one priority. The council loved the preliminary designs, the phasing, and “back-yard” as I call it. They were very complimentary. We will now begin our Capital Improvement Program update and start scraping money together.

”

— BILL MAERTZ, DIRECTOR,
CITY OF SANTEE COMMUNITY SERVICES

PARKS & RECREATION | AQUATIC FACILITIES & SPORTS COMPLEXES



Alga Norte Community Park

KTUA provided landscape architectural services for a new 32-acre park located in the City of Carlsbad. The park includes an aquatic facility with a 25-meter pool, a 56-meter Olympic/competition pool, a spa and a children's play pool. Other facilities include a community building with administrative offices, skatepark, fenced in off-leash dog areas, three ballfields with a shared multi-purpose field, basketball court, picnic and seating areas, site furnishings and parking. An expansive playground with shade canopies was designed for children of various age groups and abilities.

The park site features natural topography with 70 feet of elevation change from the highest to the lowest point, providing challenges for the design of the stormwater systems. The solutions include bioswales running along the length of the east and south perimeters of the park that cleanse the stormwater prior to discharge into the public stormwater system. The surrounding natural open spaces remain preserved and protected as a part of the city's plan, which includes an additional 10 acres of California coastal sage scrub habitat.

KTUA was responsible for a thorough review of the bridging documents, updating and revising the plans to comply with new federal and local regulations, and incorporating amenities per the City of Carlsbad's request.

AQUATIC FACILITIES

- Alga Norte Community Park Aquatic Center (2013)
- Buena Vista Recreation Area Improvements, Kern County (2023)
- Carmel Valley Community Park Aquatic Center (1999)
- CSU San Marcos Sports Complex Master Plan (2002)
- EF International, San Diego (2014)
- Eucalyptus Park, Chula Vista (2024)
- MacArthur Park Master Plan (with aquatic complex), La Mesa (2020)
- Mission Valley YMCA Pool, San Diego (2005)
- Oceanside Park Master Plan (with aquatic complex) (2022)
- San Diego State University Aquaplex (2006)
- City of Santee/Pardee Homes Castlerock Pool (2019)
- SeaWorld Aquatica, Chula Vista
- Sweetwater Union High School Mar Vista High School Aquatics (2020)
- University of San Diego Wellness Center (2024)
- Walnut Ranch Park Aquatic Center Master Plan (2018)

SPORTS COMPLEXES & GOLF

- Cal State San Marcos Athletic Complex Master Plan
- Mission Sports Park Expansion, San Marcos
- SDSU ENS 700 Field and Associated Student Field, San Diego
- SDSU Softball and Tennis Complex, San Diego
- Southwestern College Tennis Facility
- The Crossings at Carlsbad Golf Course, Carlsbad
- Torrey Pines Golf Course North Course Renovation
- Torrey Pines Golf Course Clubhouse
- USD Fowler Field and Cunningham Stadium
- USD Skip and Cindy Hogan Tennis Center
- USD Softball Facility

TRAILS, CAMPGROUNDS, OPEN SPACE & INTERPRETIVE FACILITIES

RECREATIONAL TRAILS

- Balboa Park Trails Signage and Mapping Plan, San Diego
- Bayshore Bikeway, San Diego
- Bernardo Mountain Trail Study, San Diego
- Box Springs Mountain Trails Master Plan, Riverside County
- Carlsbad Ocean Street Beach Access
- City of Costa Mesa Multi-Use Trails Master Plan
- San Diego Canyonlands City Heights Loop Trails
- City of Yucaipa Wildwood-Calimesa Trail Master Plan
- Coast to Crest Trail, San Dieguito Lagoon Segment, San Diego
- Coast to Crest Trail, Lake Sutherland
- Coast to Crest Trail, San Pasqual
- County of San Diego Boulder Oaks Access Plan
- Encinitas Beach Access Trails
- Heritage Trail, Valley Center
- Los Penasquitos Lagoon Public Access Plan
- Mockingbird Canyon Trail, Riverside
- Murrieta Creek Trail, Temecula
- Ocean Beach Bike Path, San Diego River
- Port of San Diego Chula Vista Bayfront Sweetwater Bicycle and Pedestrian Promenade
- Roripaugh/Johnson Ranch Trails
- San Diego River Trails Gap Analysis
- San Diego River Trail - Carlton Oaks Golf Course Segment
- Santa Ana River Parkway, Orange County

- Santa Ana River Trail, Riverside County
- Santa Ana River Trail, Phase 4, San Bernardino County
- Santa Maria River Levee Trail Study
- Santa Ynez Trail Alignment Study
- Sea World Bike Path, Mission Bay
- Sweetwater River Trail, Rancho San Diego
- UC San Diego Coastal Meander

CAMPGROUNDS

- Daley Ranch Strategic Plan, Escondido
- Fiesta Island Youth Campground, Mission Bay, San Diego
- Kumeyaay Campground, Mission Trails Regional Park
- Santee Lakes Campground
- Moabi Regional Park Campground
- Mojave Regional Park Campground
- Vail Lake Lower Chardonnay Campground Improvements

OPEN SPACE

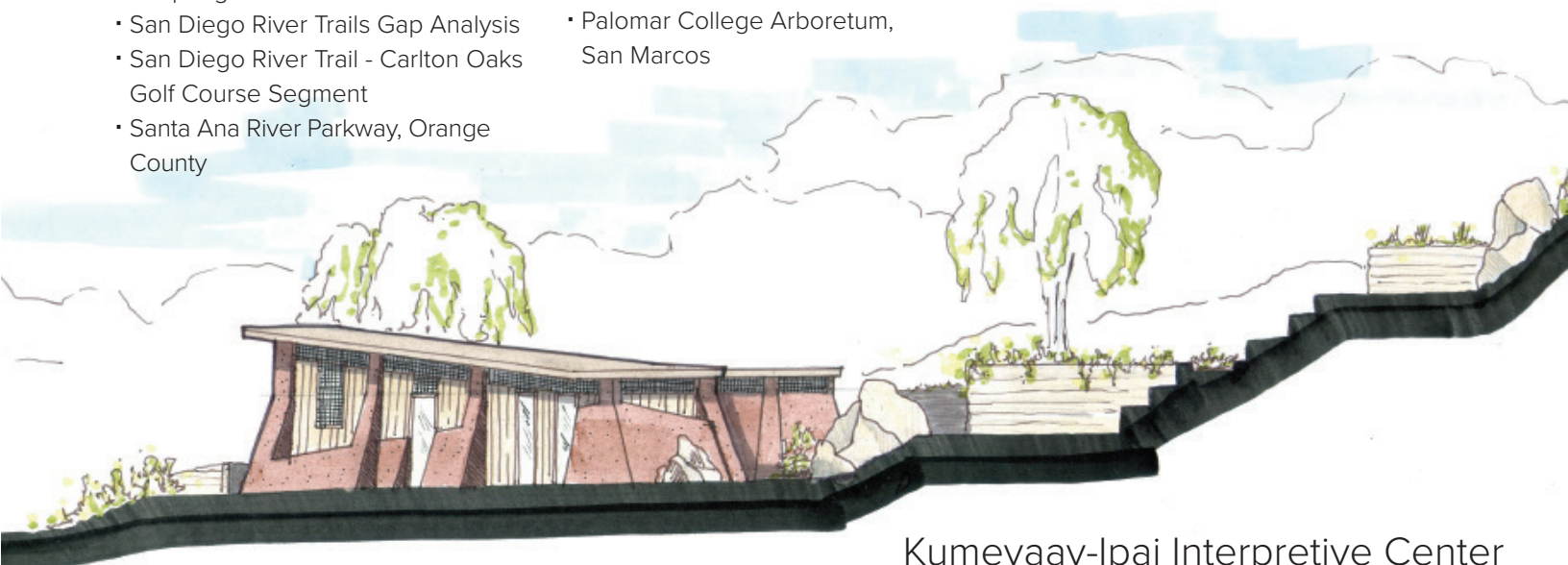
- San Dieguito Lagoon Restoration, San Diego
- Famosa Slough Enhancement Plan, San Diego
- Taylor Yard, Los Angeles

ARBORETUMS

- Palm Arboretum, Balboa Park, San Diego
- Palomar College Arboretum, San Marcos

INTERPRETIVE AND VISITOR CENTERS

- Agua Hedionda Learning Center Landscape Master Plan, Carlsbad
- Kumeyaay-Ipai Interpretive Center, Poway
- Leo Carrillo Ranch Park, Carlsbad
- Mission Trails Regional Park Visitor and Interpretive Center, San Diego
- Piedras Pintadas Sacred Archaeological Site, San Dieguito River Park, San Diego
- Rancho Los Cerritos Visitor Center, Long Beach



Kumeyaay-Ipai Interpretive Center

PLANNING | TRANSPORTATION PLANNING



City of San Diego Talmadge Traffic Calming Feasibility Study

LIVABLE STREETS AND EQUITABLE TRANSPORTATION OPTIONS

At the heart of every successful community is an integrated network of livable streets that provide connectivity and improve livability in a community. More than 80% of all public spaces in cities are streets, and the elements of these streets, from sidewalks to travel lanes to transit stops, all vie for space within this limited right-of-way.

The physical and social health of our communities requires a design approach sensitive to the multi-faceted and ever-changing role streets play in our cities. KTUA explores ways to make the most of the right-of-way and enhances the public realm. Activated public plazas and linear parks; highly visible pedestrian and bicycle amenities; accessible transit options and transportation hubs; safe routes to schools, parks and community amenities; and green infrastructure to address water management are some of the efficient uses of valuable street space.

What are the tangible benefits of an integrated transportation network?

An integrated transportation network reduces land consumption, provides greater accessibility through more direct routes and increases overall network efficiency and reliability through added redundancy. As a result, sustainable community goals are achieved through efficient travel patterns, increased road safety and improved public health.

PLANNING | TRANSPORTATION PLANNING

ACTIVE TRANSPORTATION | SAFE ROUTES | VISION ZERO PLANS

- City of Artesia ATP
- City of Banning Comprehensive ATP & City of Lynwood Safe Routes to School
- City of Barstow ATP
- Cities of Bellflower and Paramount ATP
- City of Buena Park ATP
- City of Colton ATP
- City of Chino Bicycle and Pedestrian Master Plan
- City of Desert Hot Springs Bicycle and Pedestrian Master Plan
- City of Dunsmuir ATP
- City of Eastvale Bicycle Master Plan
- City of El Centro ATP
- City of Encinitas ATP
- City of Grand Terrace ATP
- City of Jurupa Valley ATP
- City of Irvine ATP
- City of Los Alamitos ATP
- City of Menifee ATP
- City of Paso Robles ATP
- City of Rialto ATP
- City of Salinas ATO
- City of San Jacinto ATP
- City of Santa Ana ATP
- City of Temecula Multi-use Trails and Bicycle Plan
- City of Thousand Oaks ATP
- County of Imperial ATP
- County of San Bernardino Safe Routes to School
- City of San Diego Vision Zero
- County of San Diego Bicycle MP
- HUD Guidelines for Walkable and Bikeable Communities
- OCTA Active Transportation Plan
- Soboba Reservation ATP

URBAN GREENING PLANS

- City of Lake Elsinore Active Transportation Connections and Green Streets Project
- City of Pico Rivera Urban Greening Plan
- City of Placentia Open Spaces and Urban Greening Plan

COMPLETE STREETS AND CORRIDOR PLANS

- City of Atascadero El Camino Real Complete Street
- City of Chula Vista Main Street Complete Street Plan
- City of Grand Terrace Michigan Street Complete Street Plan
- City of Grand Terrace Barton Road Streetscape Plan
- City of Imperial Beach Palm Avenue
- City of Lemon Grove CONNECT Main Street
- City of Lemon Grove Main Street Promenade Smart Growth Project
- City of Menifee Complete Street Plan
- City of Menifee Newport Road Raised Median Project
- City of Moreno Valley Dracaea Neighborhood Greenway Study
- City of National City 8th Street Corridor Smart Growth Project
- City of Ontario Holt Boulevard Complete Street Plan
- City of San Diego Morena Boulevard Station Area Plan
- City of San Marcos Armorlite Drive Complete Street Plan
- City of Santa Ana Central and Downtown Zone Complete Streets Plan
- City of Vista Emerald and Townsite Drive Complete Streets Plan
- Re-Imagine Normal Street

TRAFFIC CALMING STUDIES

- City of Atascadero El Camino Real Traffic Calming Corridor Plan
- City of Fullerton East Wilshire Bike Boulevard
- City of Imperial Beach Traffic Calming and Bikeway Study
- City of National City Westside Traffic Calming Project
- City of San Diego Talmadge Traffic Calming Plan
- City of San Diego Uptown Traffic Calming Plan (Fourth- Sixth Avenues)

MOBILITY HUBS

- City of Hemet Mobility Hub
- Riverside Transit Agency Vine Street Mobility Hub

TRAILS | PUBLIC ACCESS

- California Coastal Commission Hollister Ranch Public Access Plan
- City of Costa Mesa Multi-use Trails Master Plan
- City of La Mesa Urban Trails Mobility Action Plan
- City of San Diego Mission Trails Regional Park Master Plan
- Cities of Wildwood and Calimesa Trails Master Plan
- County of San Diego Boulder Oaks Public Access Plan
- Port of San Diego Sweetwater Bicycle Path and Pedestrian Promenade
- County of Santa Barbara Modoc Trail Simulations
- Riverside County OHV Study
- Riverside County Santa Ana River Trail
- San Diego Canyonlands City Heights Trail
- San Jacinto Trails Master Plan
- Santa Maria Levee Trail Study
- SBCAG Santa Ynez Trail Alignment Study

CIRCULATION STUDIES

- City of Covina First and Last Mile Study
- City of Montebello First Last Mile Plan
- Naval Base San Diego Transportation Plan
- Riverside Transit Agency First and Last Mile Mobility Plan
- San Diego State University Bicycle and Skateboard Master Plan
- Cal State San Marcos Wayfinding and ADA Transition Plan
- UC San Diego Bicycle and Pedestrian Master Plan
- Orange Coast College Bicycle and Skateboard Master Plan
- UC Santa Barbara Circulation Element



The recommendations from this plan have enabled the City to secure more than \$13.7M in implementation funding.

City of Santa Ana Downtown Complete Streets Plan

The area in the City of Santa Ana between the Regional Transportation Center (SARTC) and Downtown includes a variety of land uses: transit oriented development, high density housing, schools, churches, recreational centers, parks, transportation center and commercial. The transportation modes servicing this area cover a broad spectrum including pedestrian, bicyclist, transit and motorist. Although the scale of Downtown and the SARTC are walkable and bikeable, the study area faces multiple challenges from high vehicle speeds, wide streets, a lack of bicycle facilities, the presence of schools, uncontrolled pedestrian crossings, and unsafe access to transit and shopping.

To address these challenges, KTUA worked with the City to develop a Downtown Complete Streets Plan between Downtown and the Santa

Ana Regional Transportation Center to improve access and mobility for all modes. The plan identified Complete Streets methods and designs to improve these modes within and around Downtown.

A large multi-lingual public outreach component included surveys, community advisory meetings, and a neighborhood workshop - a consecutive three-day workshop where walking and biking tours were conducted to gather input and intimately experience the Downtown area. The outcome was a plan with detailed recommendations for physical changes to streets, sidewalks and intersections that supports safe, active transportation along and across this study area. Through the public input process, stakeholder collaboration and primarily through the neighborhood workshop, five priority projects were

identified and developed with preliminary designs. These concepts included planning level designs, 3D illustrations and costs estimates. The five projects were branded during the workshops with unique names such as Who's on Third (Third Street), First on First (First Street), Cycle Track Square (Downtown to SARTC connection), Civic Duty (Civic Center Drive) and Ross is Boss (Ross Street).

These five projects serve as the basis for grant funding applications to enable the City to prepare engineering and implementation plans.

Subsequently KTUA completed the Central Santa Ana Complete Streets Plan. The recommended projects from the two Complete Streets plans served as the basis for grant funding applications. As a result, the city has obtained more than \$20M in grants to prepare engineering and implementation plans.

SUPPORT SERVICES | GRANT WRITING & MANAGEMENT

Obtaining funding for planning studies and capital projects comes from thoughtfully designing and visioning the project to address the criteria of available grants. Projects that have been designed to offer multiple benefits and sustainable solutions for the requesting agency and the affected community are more likely to receive funding.

KTUA maintains a database of available grants and assists public agencies, non-profit groups, and community-based organizations in identifying grants and preparing applications to obtain grant-based funding. Services offered by KTUA include research, grant writing, project justification, mapping, and graphic support along with the development of project alternatives, schedules, and cost estimates. Grants have successfully been obtained from Caltrans, the Strategic Growth Council, SANDAG, and the California Coastal Conservancy for projects throughout Southern California. KTUA's capabilities include writing the entire grant to providing services such as mapping and graphic support for our clients.

KTUA's experience in providing grant writing support has resulted in on-call contracts with cities such as Encinitas, National City, Grand Terrace, and agencies such as Western Riverside Council of Governments and Orange County Transportation Authority.



\$8.5M award

Based on a grant prepared by KTUA, the City of Escondido received funding for the Escondido Creek Trail from California State Parks Prop 68 - one of 62 projects funded (out of 478 applications) in the \$250M program and one of only 9 to receive the maximum \$8.5M award. February 2020.

FINDING, FRAMING AND FUNDING A PROJECT - Database of funding sources maintained by KTUA for transportation, smart growth, transit, park and resource based projects

| FUNDING USES → | | | | | | | | | | | |
|--|---|----------------------|-------------|-------------|----------------|-------------------|----------------|----------------|--------------------|---------------------|--------|
| FUNDING SOURCE | FUNDING ORIGIN | FUNDING CYCLE | CIP DEVELOP | MAINT & OPS | IMPLEMENTATION | FIRST & LAST MILE | URBAN FORESTRY | BACK TO NATURE | LOW IMPACT DEVELOP | CULTURE HISTORY ART | HEALTH |
| FEDERAL FUNDING SOURCES | | | | | | | | | | | |
| Land and Water Conservation Fund (LCWF) | U.S. National Park Service/ California Department of Parks and Recreation | December - January | ✓ | | | | | ✓ | ✓ | | |
| Urban Community Forestry Program | U.S. National Park Service | September - November | ✓ | | | | ✓ | | | | |
| Surface Transportation Program (STP) | Federal Highway Administration (FHWA)/Caltrans | June | ✓ | | ✓ | ✓ | | | ✓ | | |
| Highway Safety Improvement Program (HSIP) | | Unavailable | ✓ | | ✓ | ✓ | | | ✓ | | |
| Transportation Alternatives Program (TAP) | Federal Highway Administration (FHWA) | Annual | ✓ | | ✓ | ✓ | | | ✓ | | |
| Recreational Trails Program | Federal Highway Administration (FHWA)/Regional agency may also contribute | Annual | ✓ | | ✓ | ✓ | | ✓ | ✓ | | ✓ |
| EPA Brownfields Clean Up and Assessments | U.S. Environmental Protection Agency | November - January | ✓ | | ✓ | ✓ | | | ✓ | | |
| Sustainable Communities Planning Grant and Incentive Program | U.S. Department of Housing and Urban Development (HUD) | Unavailable | | | | ✓ | | | | | ✓ |
| Urban Revitalization and Livable Communities Act | | Due in June | | | ✓ | ✓ | | | | | ✓ |
| Community Development Block Grants | | Ongoing | ✓ | | | ✓ | | ✓ | | ✓ | ✓ |

KTUA Gets Projects Funded | \$175,416,000

| Grants Written by KTUA | Awarded | Requested Funding | Year | Funding Source |
|--|----------------------|----------------------|------|--|
| Port of San Diego Sweetwater Park Grant | \$5,000,000 | \$5,000,000 | 2022 | Outdoor Recreation Legacy Partnership |
| City of National City FRANC | \$1,000,000 | \$1,000,000 | 2021 | California Clean Mobility Options |
| Orange County Transit Authority On-Call Grant Writing: SR-55 Improvement Project | \$140,000,000 | \$140,000,000 | 2020 | California SB 1 Competitive Programs |
| City of National City 8th St. & Roosevelt Ave. Active Transportation Corridor Grant | \$5,500,000 | \$5,500,000 | 2020 | SANDAG Smart Growth Improvement Project and Active Transportation Grants |
| City of Escondido, Escondido Creek Trail | \$8,500,000 | \$8,500,000 | 2020 | CA Parks & Water Bond Prop 68 |
| City of Vista Townsite Complete Street Improvements | \$3,968,000 | \$4,177,000 | 2018 | Caltrans Active Transportation Grant |
| City of Encinitas Rail Corridor Cross Connect Implementation Plan | \$210,000 | \$210,000 | 2018 | Caltrans Sustainable Transportation Planning Grant |
| City of Encinitas Modal Alternatives Project Implementation Plan (MAP Encinitas) | \$200,000 | \$200,000 | 2018 | Caltrans Sustainable Transportation Planning Grant |
| City of National City Waterfront to Homefront Connectivity Study | \$198,000 | \$198,000 | 2018 | SANDAG Active Transportation Grant Program Planning Projects |
| City of National City Roosevelt Avenue Smart Growth Revitalization Plan | \$2,080,000 | \$2,080,000 | 2018 | SANDAG Smart Growth Improvement Project Capital Projects |
| City of Lake Elsinore ATP Grant | \$175,000 | \$245,000 | 2017 | Caltrans Sustainable Communities |
| City of National City Community Corridor Studies INTRA-Connect | \$330,000 | \$330,000 | 2017 | Caltrans Sustainable Transportation Planning |
| Port of San Diego Chula Vista Bayfront Sweetwater Bike Path and Pedestrian Promenade | \$4,800,000 | \$5,000,000 | 2017 | Strategic Growth Council Urban Greening Grant |
| Uptown / University Heights Mobility, Safety and Urban Design Plan | \$250,000 | \$250,000 | 2014 | Caltrans Sustainable Transportation Planning |
| City of San Marcos Armorlite Drive Smart Growth Project | \$1,000,000 | \$1,000,000 | 2013 | SANDAG Trans Net SGIP |
| City of San Diego Complete Boulevard Mid-City | \$175,000 | \$250,000 | 2013 | SANDAG SGIP |
| City of National City SMART Foundation | \$300,000 | \$300,000 | 2012 | Caltrans Community Based Transportation Planning |
| City of National City 8th Street Smart Growth Project | \$2,000,000 | \$2,000,000 | 2009 | SANDAG SGIP |
| TOTAL AWARDED | \$175,416,000 | \$176,240,000 | | |

KTUA Gets Projects Built: California

\$23,916,000

KTUA Prepared Grants Funded through Caltrans, Strategic Growth Council and SANDAG

\$53,679,000

Grant funding awarded based on plans/studies completed by KTUA

17 Projects

Funded since plans were completed

4 Park/Trail Projects

Submitted for 2019 Prop 68 Grants

Agencies receiving funding as a result of KTUA plans/studies



\$8,500,000
\$3,968,000
\$5,261,000
\$6,471,000
\$210,000
\$2,849,000
\$3,628,000
\$1,000,000
\$772,000
\$19,725,000
\$1,295,000

City of Escondido
City of Vista
City of Temecula
City of Eastvale
City of Encinitas
City of Moreno Valley
City of National City
City of San Marcos
City of Desert Hot Springs
City of Santa Ana
City of San Diego

RESOURCE MANAGEMENT | MANAGEMENT & CONSERVATION PLANS

HABITAT RESTORATION

- Batiquitos Lagoon Mitigation Monitoring, Carlsbad
- Buena Vista Lagoon Restoration, Carlsbad
- Camino del Rio North, San Diego
- Crestridge Road Crossing Improvement Project, San Diego County
- El Camino del Norte Bridge, Encinitas
- Famosa Slough Enhancement Plan, San Diego
- Forester Creek, Santee
- La Jolla Bluff Restoration, La Jolla
- Malibu Creek Restoration, Malibu
- Moreno Lakeside Pipeline and Lakeside Pump Station Revegetation, Lakeside
- National City Wharf Extension Wetland Mitigation, National City
- Penasquitos Trunk Sewer, San Diego
- Port of Oakland Middle Harbor Enhancement Area,
- Roripaugh Ranch, Temecula
- Rose Canyon Mitigation, San Diego
- Rose Creek Enhancement Plan, San Diego
- San Clemente Canyon, San Diego
- San Dieguito Reservoir, Rancho Santa Fe
- San Dieguito Lagoon Wetland Restoration, San Diego
- Santa Ana River, Orange County
- Sorrento Valley Road, San Diego
- Sycamore Canyon Landfill Wetland Mitigation, San Diego
- Taylor Yard Parcel G-2 Upland Restoration, Los Angeles
- Tecolote Creek Treatment Wetlands, San Diego

RESOURCE MANAGEMENT

- San Diego River Natural Resource Management Plan, San Diego
- Coastal Sediment Benefit Analyses Tool, Ventura, Santa Barbara and San Diego Counties
- Western Otay Valley Regional Park Natural Resource Management Plan
- SANDAG Nearshore Study, San Diego
- San Clemente Island Land Use Compatibility Study
- San Diego County Water Authority Habitat Conservation Program
- UC San Diego Coastal Meander
- Western Riverside County Habitat Conservation Plan, Riverside County
- MCB Camp Pendleton Multiple Species Management Plan

WATERSHED MANAGEMENT

- Rose Creek Canyon Watershed Opportunities Assessment, San Diego
- San Diego River Watershed, San Diego
- Calleguas Creek Watershed, Ventura
- Carlsbad Watershed, Carlsbad
- Santa Margarita Watershed, Escondido
- San Diego Integrated Regional Water Management Plan

STORMWATER/LID

- UCSD Scripps Institution of Oceanography Water Pollution Prevention Program, La Jolla

FIRE MANAGEMENT

- Crest Canyon Fire Management Plan, Del Mar
- San Vicente Area Specific Management Plan, San Diego County
- Rancho Santa Fe Fire Department GIS Support Services

LEED/SUSTAINABILITY

- CRES Facility, San Diego Wild Animal Park, San Diego
- Nobel Athletic Area and Library, San Diego
- UCSD Health Sciences Graduate Student Housing, La Jolla
- UC Merced Gardenview Student Housing, Merced
- Marine Corps Base Camp Pendleton Replacement Hospital, Camp Pendleton

WATER CONSERVATION

- Los Angeles National Cemetery Irrigation Feasibility Study, Los Angeles
- Naval Medical Center Water Conservation Study, San Diego
- Water Efficient Landscape Conversion, Nellis Air Force Base, Nevada
- Calsense Irrigation Retrofit at Military Housing Sites, San Diego
- Marine Corps Recruit Depot Grounds Development Study, San Diego
- Landscape Irrigation Water Conservation Policies and Guidelines, Navy and Marine Corps Facilities, San Diego



Simulation of La Jolla Bluff Restoration

VISUAL SIMULATIONS

- Lake Hodges Bike/Pedestrian Bridge
- San Diego Convention Hotel Visual Simulations
- Otay Reservoir Visual Simulations, San Diego
- Washington Street Improvements Visual Simulations, San Diego
- Whitesgate Reservoir Visual Simulation, Riverside
- Foothill Transportation Corridor South, Orange County
- French Valley Parkway, Temecula
- Interstate 805/Orange Avenue Interchange Widening Visual Impact Assessment, Chula Vista
- Mid-Coast Light Rail Corridor, San Diego
- Museum of Tolerance Expansion, Los Angeles
- Otay Landfill Expansion, Chula Vista
- Miramar Landfill General Development Plan EIR
- San Diego Convention Center Expansion
- San Diego County Water Authority Emergency Storage Project
- UCSD Interstate 5 High Technology Bridge Visual Impact Assessment
- UCSD Medical Center Utility Bridge
- Welk Village Expansion, Escondido
- Willow Street Bridge Replacement Visual Simulations, Impact Assessment and Habitat Restoration, Chula Vista

VISUAL STUDIES

- Aldine Drive, San Diego
- Agua Hedionda Pump Station, Carlsbad
- Beacons Beach Trail and Slope Restoration, Encinitas
- Bear Valley Parkway Widening, Escondido
- Carmel Valley Road Enhancements
- Chula Vista Bayfront Master Plan
- El Camino Real Bridge Widening, San Diego
- Entrada Office Building, Culver City
-

HISTORIC RESOURCES

- Camp Lockett Framework Management Plan, San Diego County
- La Jolla Cultural Resource Survey
- Naval Training Center Historic District Landscape Design Guidelines, San Diego
- Old Town, San Diego
- Leo Carrillo Ranch Historic Park, Carlsbad
- Rancho Los Cerritos, Long Beach
- Kumeyaay-Ipai Interpretive Center, Poway
- Marine Corps Recruit Depot Historic District Landscape Master Plan and Base Exterior Architecture Plan, San Diego
- NSA Monterey Roman Pool Alternatives Analysis Study, Monterey
- Naval Station Great Lakes Base Exterior Architecture Plan, Illinois
- Naval Air Station Pensacola Base Exterior Architecture Plan, Florida

HOSPITALITY | HOTELS, RESORTS, THEME PARKS & GOLF COURSES



Grand Del Mar

HOTELS AND RESORTS

- Grand Del Mar, Del Mar
- Grand Hyatt Patio, San Diego
- Harbor Island Hotel Concept Plans, San Diego
- Inns at Buena Vista Creek, Oceanside
- Kona Kai Club Conceptual Plans, Shelter Island, San Diego
- La Casa del Zorro, Borrego Springs
- Le Meridien Resort Hotel, Coronado
- Liberty Station Hotels, San Diego
- Manchester Pacific Gateway Hotel, San Diego
- Pacific Terrace Inn, San Diego
- Pala Mesa Resort Renovations, Pala
- Rancho Bernardo Hilton Garden Inn
- Rancho Bernardo Inn Renovations
- Westgate Hotel Renovation, San Diego
- Yuma Waterfront Hotel and Conference Center Concept Plans, Yuma, AZ

CASINOS

- Desert Diamond Casino, Tucson
- Hawaiian Gardens Casino Conceptual Plans, Hawaiian Gardens

ZOOS AND THEME PARKS

San Diego Zoo

- Hippo Beach
- Polar Bear Plunge
- Children's Zoo Charrettes

San Diego Zoo Safari Park

- Center for the Reproduction of Endangered Species
- Heart of Africa

SeaWorld San Diego

- Harborside Cafe
- Electric Eel
- Explorer Shore and Restroom
- Flamingo Exhibit
- Ocean Explorer
- Park Entry and Main Entry Irrigation
- South Shores Promenade
- Tidal Twister

Aquatica Water Park, Chula Vista

- Hooroo Run
- Park Renovation
- Water Slide

GOLF COURSES AND CLUBHOUSES

- Balboa Park Golf Course Clubhouse Master Plan, San Diego
- Barnes Tennis Center, San Diego
- Copper River Clubhouse, Fresno
- Del Mar Country Club Estates, Rancho Santa Fe
- El Camino Country Club Clubhouse, Oceanside
- Maderas Country Club Clubhouse, Poway
- San Diego Tennis and Racquet Club, San Diego
- The Crossings at Carlsbad
- The Vineyard Clubhouse, Escondido
- Torrey Pines Golf Course Clubhouse Renovations, San Diego
- Torrey Pines North Course Reconstruction, San Diego



Liberty Station Hotels and Promenade - NTC Hotels

KTUA provided full services to The Corky McMillin Companies and InterMountain Management LLC to develop a 650-room, three-brand hotel destination at Liberty Station, San Diego. The new hotel development at Liberty Station consists of a 181-room Hampton Inn and Suites by Hilton, a 222-room TownePlace Suites by Marriott, and a 247-room Embassy Suites by Hilton. The project also includes a one-story, 3,180-square-foot restaurant. The three brands are complementary and form a synergistic urban destination to serve business travelers, leisure visitors and airport 'short stay' guests. Each hotel features a uniquely branded design theme that is woven into the master site design.

The plan calls for 701 parking spaces including 15 coastal access spaces, traffic improvements to nearby Kincaid Road, a pedestrian connection to Spanish Landing Park, and 22,000 yards of balanced grading.

KTUA supervised the successful approval process with the California Coastal Commission, resulting in overall project approval including a major 150-foot-wide public esplanade with active/passive recreation areas, a pedestrian/bicycle path and public seating. The promenade includes

several landscaped bio-retention basins to collect, treat, and discharge storm water collected from impervious surfaces including parking lots and building roofs. The basins were designed to ensure proper capacity and integrated thoughtfully into the landscape aesthetic. Due to a high saltwater table from the adjacent San Diego Bay, plant species were carefully selected for the basins that would tolerate occasional exposure to salt and brackish water. KTUA facilitated permitting drawings with the City of San Diego, and provided construction administration services.



HEALTHCARE | HOSPITALS & MEDICAL OFFICE BUILDINGS



HOSPITALS

- PMB LifePoint Palomar Escondido Behavioral Health Hospital
- Children's Hospital, San Diego (1998)
- El Centro Medical Center Landscape Master Plan
- Kaiser Permanente, Otay Mesa
- Kaiser Permanente Women's Center, La Mesa
- Mercy Hospital Entry Park, San Diego
- Modesto City Hospital Renovation
- Naval Hospital Camp Pendleton Site Planning and Bridging Documents
- Psychiatric Institute of America, Azusa, Long Beach, Rancho Cucamonga, Chula Vista, Bakersfield, San Jose, Redding, Palm Springs, and Stockton
- Rancho Springs Medical Center, Murrieta
- Rancho Springs Women's Health Center, Temecula
- Palmdale Regional Medical Center
- PMB LifePoint Palomar Esc. Behavioral Health Hospital, Escondido
- San Geronio Hospital, Banning
- Scripps Chula Vista Hospital (1998)
- Scripps La Jolla Hospital
- Temecula Valley Hospital
- UCSD Medical Center Tower Modernization (2000)

HEALING GARDENS

- San Diego State University Nahuatl Healing Garden
- Sharp Chula Vista Healing Garden

MEDICAL OFFICE BUILDINGS

- Canyon Springs Hospital Medical Office Building, Cathedral City
- Children's Hospital Medical Office Building, San Diego (1998)
- Grossmont Medical Office Building, La Mesa
- Kern Health Center, Kern County
- Maple Street Medical Office Building, San Diego
- Palmdale Medical Office Building
- San Ysidro Health Center
- Scripps Oceanside Medical Office Building
- St. Joseph Medical Office Building Parking Structure, Santa Ana
- XIMed Medical Office Building, La Jolla

Naval Hospital Camp Pendleton

Naval Hospital Camp Pendleton



Photo by LaCasse Photography

KTUA was selected by NAVFAC Southwest to prepare site plan alternatives for the proposed Replacement Hospital at MCB Camp Pendleton. This effort included identifying program requirements, site constraints and opportunities that affected the hospital location options. The alternatives took into account the access, infrastructure, views from and of the site, biological constraints, drainage requirements and other safety issues. A total of four site plans were developed working with major stakeholders. The preferred alternative plan resulted in a more detailed site plan including utility points of connection, probable utility realignments and undergrounding options.

The landscape architectural plans provide design treatments arranged to express qualities of order, integrity, and sustainability to create a timeless building and landscape throughout the 50+ acre site. A hierarchy of roadways, spaces, materials, planting, and entrances provide the

visitor with a coherent way-finding system; landscaped courtyards and plazas provide areas for relaxation, family togetherness, and experience of nature. Exterior materials are linked to elements of the architecture and create a cohesive design of indoor and outdoor spaces, as well as contributing to Silver LEED certification. The project features parking lots designed with bio-swales, permeable paving, and photovoltaic systems; axial access ways leading employees and visitors through landscaped allees to the hospital, entry bridge, auto plaza, dining courtyards, a Memorial Plaza, and interior healing garden. The hospital and utility buildings feature a variety of green roof treatments that contribute to sustainability and the healing environment. KTUA also contributed design treatments for exterior lighting, site furnishings, service emblems, and custom design for the memorialization of winners of The Medal of Honor.

FEDERAL PLANNING | MASTER PLANS AND MILCONS

For more than three decades, KTUA has worked with the federal government to provide comprehensive planning solutions for our men and women in uniform. KTUA's federal planning team uses its extensive experience and specialized knowledge to fulfill today's military mission and tomorrow's needs. Our emphasis on keeping pace with rapid technological change and shifting mission priorities of the military has allowed us to achieve success across a broad spectrum of federal planning support services.

KTUA has master planning and design experience with the Navy and the Marine Corps, providing services for more than 200 planning and military construction projects in the Southwest region, Southeast region, throughout the United States, and into Europe.

PROJECT EXPERIENCE

KTUA has managed the following IDIQ contracts for planning and design services:

- NAVFAC SE Planning IDIQ, 2015
- NAVFAC SW Planning IDIQ, 2014
- NAVFAC SW Landscape Architecture IDIQ, 2011
- NAVFAC SW MILCON Planning IDIQ, 2008
- NAVFAC SW MILCON Planning IDIQ, 2006
- NAVFAC SW Landscape Architecture IDIQ, 2003
- ACOE Los Angeles District Landscape Architecture IDIQ, 2001
- NAVFAC South Planning IDIQ, 2000/2001
- NAVFAC SW Planning IDIQ, 1998
- NAVFAC SW Bachelor/Family Housing Comprehensive Neighborhood Plan IDIQ, 1995

SCOPE OF WORK

- MILCON Planning and Design
- Activity Overview Plans
- Capital Improvement Plans
- Encroachment Action Plans
- Shore Infrastructure Plans
- Functional Plans
- Installation Appearance Plans/Base Exterior Architecture Plans
- Master Plans
- Community Plans
- Asset Evaluations
- Comprehensive Neighborhood Plans
- Bachelor and Family Housing
- Special Studies
- Space Utilization Plans
- Basic Facility Requirements
- Design/Build Projects
- Request for Proposals

PROJECT LOCATIONS

- Anti-Submarine Warfare, San Diego
- Camp Atterbury
- Camp Billy Machen
- Camp Michael Monsoor
- Camp Morena, San Diego
- Chocolate Mountains Aerial Gunnery Range
- Eglin Air Force Base
- Fort A.P. Hill
- Fort Chaffee
- Fort Hunter Liggett
- Fort Irwin
- Fort Pickett
- JEB Little Creek/Fort Story
- Joint Base Pearl Harbor/Hickam, HI
- MAGTFTC MCAGCC Twentynine Palms
- Marine Corps Recruit Depot, San Diego
- MCAS Miramar
- MCAS Yuma
- MCB Barstow
- MCB/MCAS Camp Pendleton
- MCMWTC Bridgeport

- NAB Coronado
- NAWS China Lake
- NAS Corpus Christi
- NAS El Centro
- NAS JRB New Orleans
- NAS Pensacola
- Naval Base Coronado
- Naval Base Point Loma
- Naval Base Ventura County
- Naval Base Kitsap
- Naval Construction Battalion Center Gulfport
- Naval Hospital Beaufort South Carolina
- Naval Medical Center San Diego
- Naval Station Great Lakes
- Naval Base San Diego
- Naval Training Center San Diego
- NAVFAC Europe, Naples Italy
- Navy Region South
- Navy Region Southwest
- Navy Support Activity New Orleans
- Nellis Air Force Base
- NSB Kings Bay
- NSCS Athens
- NSU Saratoga Springs
- NSWC Indian Head
- NWS Seal Beach
- San Clemente Island
- Space and Navy Warfare Systems Center San Diego
- Stennis Space Center
- U.S. Coast Guard San Diego

MCAS Yuma Dining Hall



The project utilized a highly efficient, automatic irrigation system that provides a subsurface drip irrigation method to each shrub, succulent and groundcover, with the irrigated area limited to within the root zones of the plants.

The irrigation system is controlled electrically with a satellite irrigation control system and communicates with the Base's irrigation central control system. The irrigation system included design elements and equipment to minimize damage to key components, such as sprinkler heads, controllers, control valves, valve boxes and the backflow preventer.

The MCAS Yuma project has a 150,000-gallon irrigation water parameter. The planting design along with the efficient irrigation system design will stay below that parameter and after four years post installation the Irrigation system will be reduced to 39,159 gallons per year.

The scope of the landscape design included elements to make the outdoor environment more sustainable, comfortable, pleasant and safe, achieve AT/FP setbacks, screen unattractive uses, provide wind protection and a variety of shade methods for relief from extreme heat. These included landscape and rock mulches for erosion control, drought tolerant/native containerized planting for the building entry, plaza, perimeter/interior and streetscape landscape.

SUPPORT SERVICES | COMMUNITY & PUBLIC ENGAGEMENT

One of KTUA's longstanding strengths is our creative and inclusive approach to facilitating community and public engagement. We have a long resume of successful community engagement that includes both conventional means as well as some new, innovative approaches that utilize new collaboration technology. Conventional means include organized in-person public workshop meetings, pop-up events, facilitation of on-line surveys, and on-site walk-throughs and workshops. Again, with the advent of COVID and the influence it has had on the way we work and interact, KTUA has been proactive to innovate our community input process to accommodate more virtual participation while minimizing reductions in participation or quality of interaction experience. Some of the tools and platforms we are using virtually include social media, large group workshop and meeting facilitation with GoTo Webinar and MS Teams, Google Jamboard, and ArcGIS StoryMaps.

Community Engagement for the 21st Century



COMMUNITY OUTREACH APPROACH

There is a need now more than ever for innovative, flexible, and effective in-person and remote systems of engagement. KTUA is equipped with powerful “tools for equitable access” to provide meaningful and useful input from communities throughout California. This trend will continue into the future and we have worked to increase our digital toolkit to provide fun, engaging, and far-reaching methods. Our commitment to equal representation and maximizing participation within a community has driven us to explore various techniques to reach all portions of a community. Creating a forum for discussion, gaining the trust of the stakeholders, and sharing information of value with them will result in project success.

An open mind, strong listening skills, and clear, concise information are key to this process. Understanding the best communication tools to encourage participation from our target audience is crucial and these tools from project to project. No matter how much time and budget is allocated to the team to spend time on-site, site users will be more familiar with the project and environment than we are, and we feel that this input is beneficial to develop community supported solutions.



SAM YELLEN PARK

- Beautification & Safety Survey

PARQUE SAM YELLEN

- Encuesta sobre embellecimiento y seguridad



Ideas and Concepts for Beautification (Pick 2)

Ideas y conceptos para embellecimiento (Escoge 2)

☐

Trees and Flowering Plants
Árboles y plantas con flores

☐

Local Drought Tolerant Plants
Plantas locales tolerantes a la sequía

☐

Hardscape Accents: Arches, Gazebos, Trellis, Bridge
Acentos: Arcos, kioscos, pérgolas, puentes

☐

Artistic or Unique Park Monument Sign
Letrero artístico o monumental único

☐

Murals, Sculptures, Artistic Park Amenities, or Art Elements
Murales, esculturas, instalaciones artísticas o elementos artísticos

☐

Landscape Accents: Boulders, Lighting, Seat Walls, Decorative Benches
Acentos de paisajismo: rocas, iluminación, muros con gradas, bancas decorativos

Ideas and Concepts to Ensure Safety (Pick 3)

Ideas y conceptos para garantizar la seguridad (Escoge 3)

☐

Clean and well maintained grounds
Terrenos limpios y bien cuidados

☐

Ample lighting
Amplia iluminación

☐

Visible footpaths, playgrounds & restrooms
Senderos visibles, parques infantiles y baños

☐

Structured programs or events
Programas o eventos estructurados

“

CITY OF PALMDALE SAM YELLEN PARK

I just want to say thanks for how responsive and accommodating you have been through all of this. I've worked on the design/consulting side and I know the frustration of going back and forth between designs and re-designs. The KTUA team continues to be accommodating, professional, and just overall pleasant to work with. So thank you and I hope we can continue to “vibe” through the completion of this design.

— CITY OF PALMDALE,
SETH JENISON, PE, PTOE,
SENIOR CIVIL ENGINEER

”



MacArthur Park Master Plan




MacArthur Park Master Plan
 Workshop #2 - Design Concepts

You're Invited!

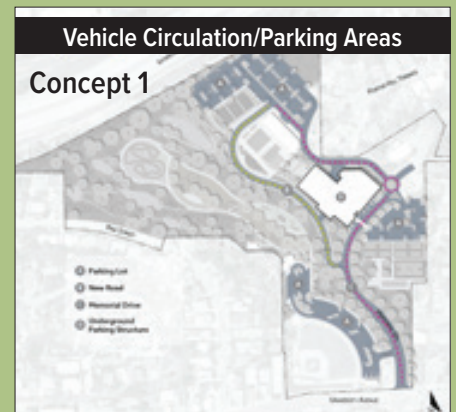
The City of La Mesa and the project team will present two design concepts for the MacArthur Park Master Plan.

Please join us for a short presentation and open house conversations to continue shaping MacArthur Park's future! Snacks and refreshments will be provided. See you there!


Location
 La Mesa Community Center
 (MacArthur Park)
 4975 Memorial Dr.
 La Mesa, CA 91942


Date and Time
 Wednesday,
 March 25, 2020
 6:00 - 8:00 pm





WEB | GIS TOOLS



KTUA employs web GIS, or tools that allow spatial data to be hosted on the web and shared with users in a variety of formats. Users interacting with web GIS tools are able to view, manipulate and create spatial data for all aspects of transportation and other projects.

PROCEDURAL MODELING



Procedural modeling techniques rapidly generate 3D content based on a set of rules. KTUA commonly relies on ESRI's CityEngine to perform this type of modeling which uses GIS as the base, and custom CGA scripts to apply extrusions, densities, and textures to geographic data. Procedural modeling allows KTUA to quickly generate large areas of 3D content for use in a variety of applications.

SIMPLE MODELING



KTUA leverages their vast library of 3D content as well as the latest procedural modeling tools to rapidly generate realistic 3D representations of projects. 3D models help convey proposed changes to the community and can be used in conjunction with photography and videos to create photorealistic content.

VISUAL SIMULATIONS



KTUA develops visual simulations, or photo simulations, that involve the use of various software packages to overlay a 3D model of a proposed design over a high quality photograph of the location. Simulations allow the community more easily to visualize the aesthetic impact of proposed projects.

RENDERED MODELING



Enhanced 3D models using advanced rendering applications simulate realistic lighting, shading, reflections and atmospherics. This realistic rendering is typically done towards the end of a modeling process or phase, allowing the model to be illustrated in a photo-realistic manner. The enhanced rendering can be exported as a still image or animation.

ANIMATED MOVIES



KTUA captures high resolution photography throughout the life of projects, documenting site conditions, outreach events and tactical urbanism installations. Photographs are most commonly used to illustrate the planning process in reports, and augment 3D models through simulations. Videos are also used to document the life of a project as well as to create realistic fly-throughs of 3D models.



Phelan Community Park

KTUA worked on the Phelan and Piñon Hills parks master plan and found that both communities were undeserved by park facilities. The analysis considered the unique context of sparse populations, greater distances and drive times, as well as population growth and potential future parks and amenities.

Subsequent to that effort, KTUA worked with the District to develop a recently purchased 5-acre property for a new civic center and a 14-acre property for a new community park. The new civic complex will consolidate the various community facilities including a multi-purpose community

building, administration building, police/sheriff office, and other civic facilities. The new community park will include two active soccer and baseball/softball fields, playgrounds, a skate park, pump track, equestrian facilities, a dog park, amphitheater, picnic areas, plazas, and other recreational facilities and infrastructure.

KTUA produced several conceptual alternatives which explored schematic design arrangements for the undeveloped 24 acres and better integrates it into the new civic center. The park's program includes: two active soccer and baseball/softball fields, playgrounds, a skate park, pump

track, equestrian facilities, dog park, amphitheater, picnic areas, plazas, and other recreational facilities and infrastructure.

KTUA recently prepared and submitted a State Prop 68 grant and is currently developing a final master plan which includes phasing opportunities and a cost estimate for the park. Once completed, the community park along with the civic center will become a new hub for the Phelan/Piñon Hills community.

WATCH ANIMATION:
<https://tinyurl.com/purh8f2u>



Escondido Creek Conservancy Grape Day Park



WATCH ANIMATION: <https://tinyurl.com/338znz5x>

KTUA executed three work areas: Park in the Park concept to convert surface parking into water treatment swales and park space; conversion of a surface parking lot into a parking structure with retail; and redevelopment of 19-acres of retail into mixed-use development that incorporated daylighting Escondido Creek and creating a linear park along both sides. Conceptual 3D models were developed and 12 key views were chosen for 3D model refinement and visualization.



VISUAL IMPACT ASSESSMENTS

Existing Conditions



Beacons Beach Visual Impact Assessment

Proposed Conditions

