

LEAPS & BOUNDS



THE WETLAND PROVIDES AN INTIMATE EXPERIENCE WITH NATURE IN THE HEART OF THE CITY ALL THE WHILE SERVES AS FLOOD CONTROL BASIN

A NEW CIVIC PARK FOR SAN JOSE

While aiming to create a cultural landmark, the project seeks to give back to the community. A truly sustainable park must also be a reflection of its community and a recreational resource for those who live nearby.

Many considerations were taken to design the park - anticipating a changing climate, sensible material choice and integrating innovation to highlight change and process. LEAPS AND BOUNDS synthesizes all of these considerations into a landscape that is also beautiful, contemporary and exciting - a landscape that is rooted in local San Jose narratives and histories - a new iconic landmark for visitors to the city of San Jose.

BRING NATIVE LANDSCAPE IN THE HEART OF CITY

LEAPS AND BOUNDS brings the vernacular Northern California landscape - Central Oak Woodland- to the heart of San Jose. The rolling grass hills and native oak trees celebrates the iconic landscape of the region and showcase seasonal change throughout the year.

TWO OXBOWS

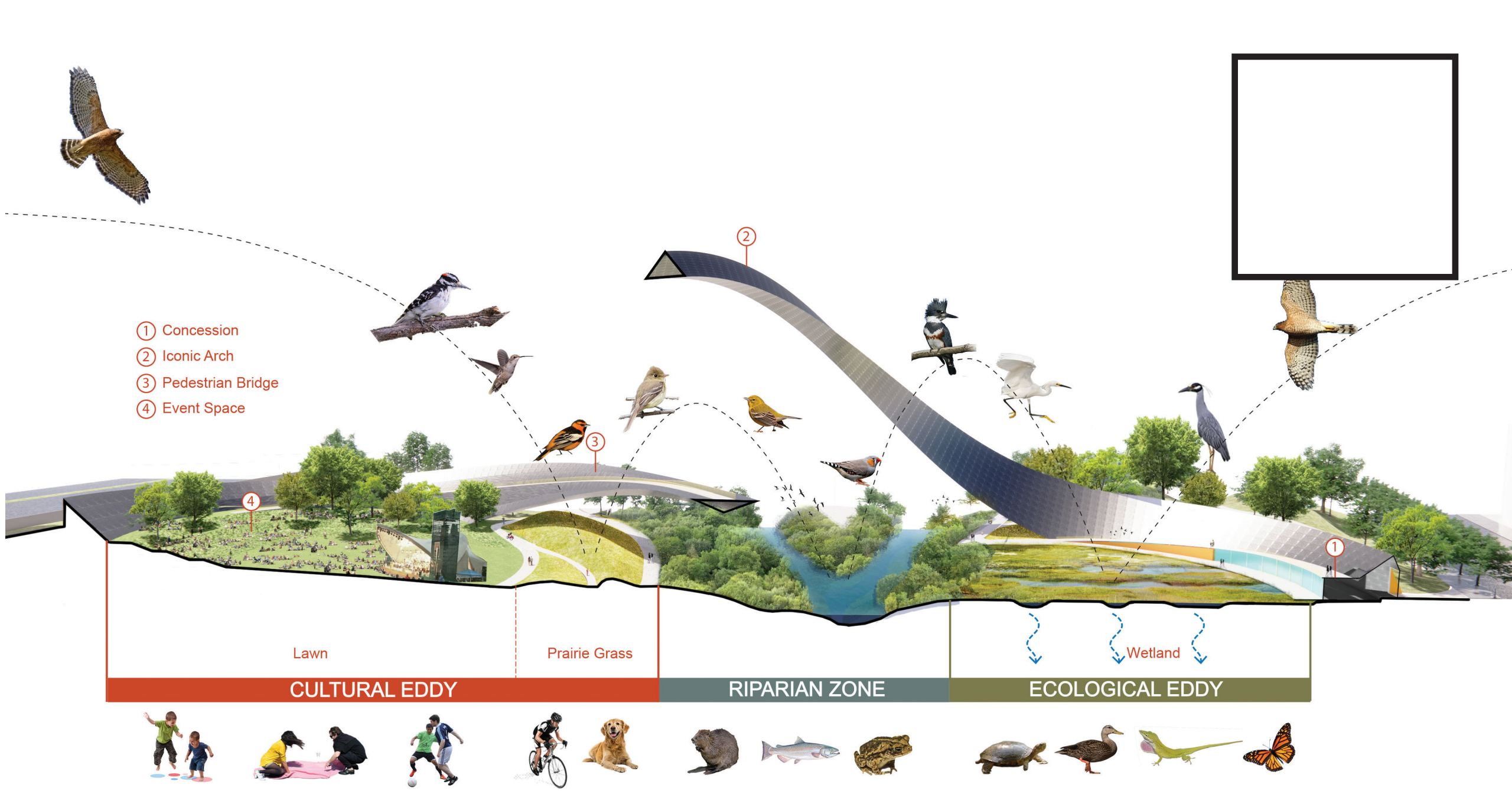
Channeling the natural river erosion and sedimentation process and patterns, we created two 'oxbow' spaces as the Guadalupe River is disrupted by the architectual sculpture. One oxbow mounds up and frames a new great lawn - the true civic heart of the City. On the other side, the earth is eroded away to reveal a vibrant wetland eco-tone which promotes water filtration and habitat restoration.

PRESERVING AND REUSING EXISTING SITE FEATURE

The new park preserves all the site features with cultural/ historical significance. Existing trees are relocated within the new design, punctuating and framing open space while creating moments of shade and habitat.



A GREAT LAWN FRAMED BY THE ARCHITECTURE CREATES A GENEROUS SPACE FOR CIVIC GATHERINGS AND BRINGS THE COMMUNITY TOGETHER



AN INTERWOVEN CULTURAL - ECOLOGICAL DYNAMIC



LEAPS AND BOUNDS SITE PLAN

LEAPS & BOUNDS



A SCULPTURE IN THE PARK, EMBRACING THE COMMUNITY AND THE ECOLOGY



AT NIGHT, LED LIGHTS PULSE AND GLOW TO CELEBRATE COMMUNITY EVENTS

CONFLUENCE AS ICON / SCULPTURE IN A PARK

LEAPS & BOUNDS is the catalyst for a larger re-envisioning of San Jose as an active ecological, social and recreational corridor. At the epicenter of an emerging neighborhood with residential, commercial and cultural adjacencies, LEAPS & BOUNDS is uniquely positioned to become a vibrant destination and the centerpiece of the region. Nested inside the sculpture are park amenities such as a cafe, flexible community space and restrooms to draw in and support the community.

DYNAMIC STRUCTURE AND INNOVATIVE CLADDING

The curving form of the arch and bridge are composed of a system of stiffened steel box beams. Triangular in section, the box beams are built of welded steel plates stiffened intermittently with transverse plates and steel purlins. The bridge and arch are supported at each end by large concrete piled mat foundations located outside the riparian zones and the box culvert easement.

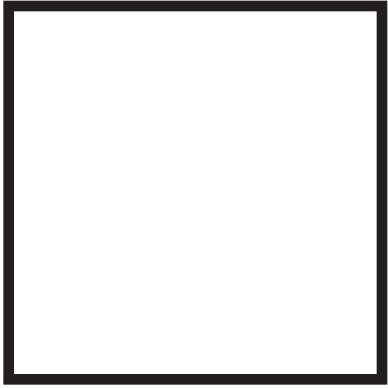
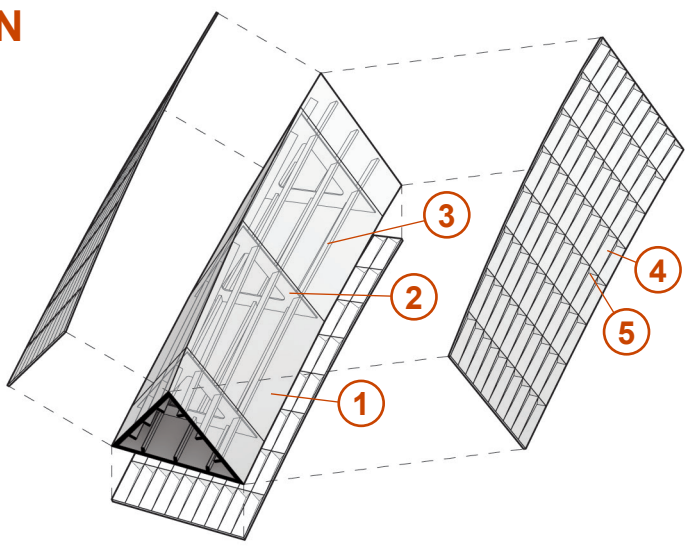
Materially, LEAPS & BOUNDS is a medium to observe the dynamic qualities of light and water that are intrinsic to the site. The sculpture is clad in foamed aluminum panels - a material that subtly reflects the landscape and vibrant culture of San Jose. The panels are made from 100% recycled material and allow for an almost seamless finish. Embedded LED lights illuminate the sculpture at night and can be programmed by artists in celebration of holidays, events, and Sharks games!



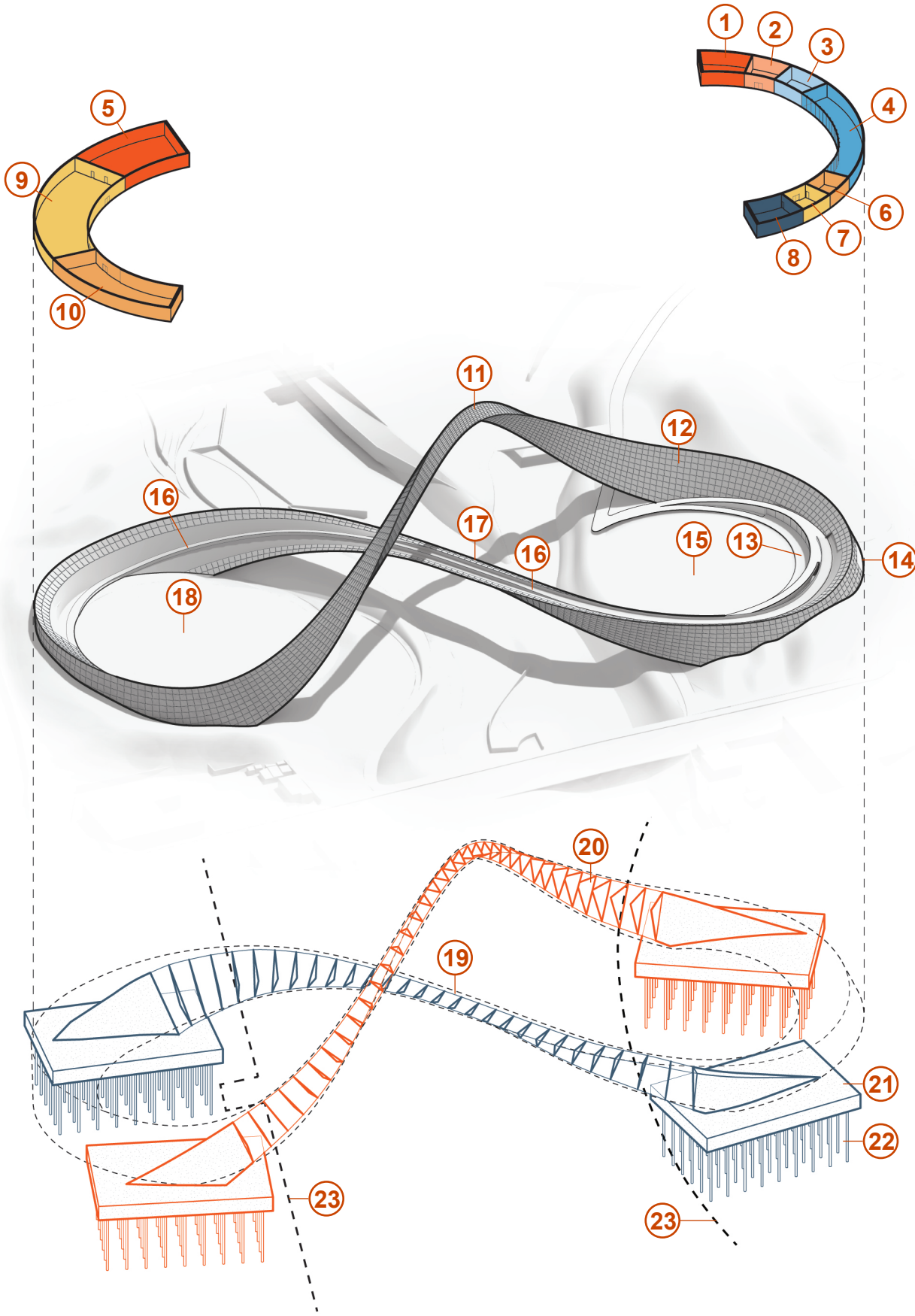
THE ICONIC STRUCTURE STANDS OUT AT THE HEART OF THE CITY

STEEL STIFFENED BOX SECTION AXONOMETRIC

- ① 1" Plate Steel
- ② Steel Stiffener
- ③ Purlin
- ④ Foamed Aluminum Panel
- ⑤ LED Light Strip



BUILDING AXONOMETRIC



- ① Back of House
- ② Storage
- ③ Kitchen
- ④ Cafe / Bar
- ⑤ Back of House
- ⑥ Restrooms
- ⑦ Visitor Center
- ⑧ Offices
- ⑨ Community Center
- ⑩ Restrooms
- ⑪ The Arch
- ⑫ Foamed Aluminum Cladding
- ⑬ The Cafe / Bar Terrace
- ⑭ Entrance
- ⑮ Marsh
- ⑯ Walking Path
- ⑰ The Bridge
- ⑱ Great Lawn
- ⑲ Steel Stiffened Box Section system
- ⑳ Structural Steel Stiffeners
- ㉑ Concrete Mat Foundation
- ㉒ Concrete Piles
- ㉓ Edge of Buildable area



A UNIQUE PERSPECTIVE OF THE PARK AND THE CAFE FROM THE BRIDGE



VIEW TO THE ARCH FROM THE IMPROVED GUADALUPE RIVER TRAIL PARK