<table>
<thead>
<tr>
<th>TABLE OF CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE ZANJ A MADRE HISTORIC GROVE</td>
</tr>
<tr>
<td>BARRIO RECUERDO: CONEXCION VERDE</td>
</tr>
<tr>
<td>GEMS &amp; FETISHES ON THE LATVIAN COAST</td>
</tr>
<tr>
<td>TONGVA LEARNING CENTER: SPIRITUAL JOURNEY</td>
</tr>
<tr>
<td>RED ROCK CANYON VISITOR CENTER</td>
</tr>
<tr>
<td>MULTIPURPOSE BENCH: THE SWITCH</td>
</tr>
<tr>
<td>ARATANI RESIDENCE</td>
</tr>
<tr>
<td>CHOREOGRAPHED LINKAGES + NETWORKS</td>
</tr>
<tr>
<td>TOPOGRAPHIC NARRATIVES: RAILWAYS TRAILS</td>
</tr>
<tr>
<td>DESIGN VILLAGE 2015: CLOCKWORK</td>
</tr>
<tr>
<td>BOYLE HEIGHTS MUSEUM OF ART</td>
</tr>
<tr>
<td>BIOMIMICRY: THE JOURNEY TO CONQUER TIME</td>
</tr>
</tbody>
</table>
THE ZANJA MADRE HISTORIC GROVE

LA4111 Bobby Brooks Memorial
Interdisciplinary Design Studio
Professor: Andy Wilcox
Department of Landscape Architecture
Cal Poly Pomona University
FALL 2018

Collaborative project with: Isaac Arandia, Sarahi Baeza & Tiffany De La Cruz

The Zanja Madre Historic Grove is an expansion of The Los Angeles State Historic Park that encourages a pedestrian friendly connectivity of the park and the ICLA creative campus. In addition, The Zanja Madre Historic Grove is a space that seeks out to celebrate and educate the public about the importance of water, trees, nature, and the history of The Zanja Madre being the first infrastructure system that brought water from the Los Angeles River into El Pueblo De Los Angeles.
Through a thorough research in transportation, land use, and ecology, our group is proposing to establish a green urban network that will repurpose the existing infrastructure and create a destination that allows the identity of El Sereno to define the Los Angeles Biotech Corridor. By utilizing a wide means of programmatic spaces that range from Bike Paths, Hiking trails, Mobility Hub, and a Sci-cultural Recycling center. This proposal will allow residents to better maneuver the local spaces, open new opportunities for Community Engagement, Social Mobility, and continued flourishment and ownership of their community.

**Analysis**

**Issue:**
Existing freight train infrastructure causing a barrier to the neighborhoods of El Sereno

**Proposal:**
Linear park which will break down the barrier and unite the people of El Sereno by offering gathering space

**CONCEPT:**

- Static
- Push
- Extrude

**SITE PLAN**

North
There is a place where only few, if any, have ever stepped foot on. A cold-cloudy place where hundred year rain storms are the norm. A place where streams become rivers, and rivers become lakes. Water rises as high as to cover the landscape bounded by towering mountains. Explore at your own risk, for you may encounter a modern ice age here and witness a temporary lake become an ice land. It is here where every few years, the ice melts, the lake dries, water fades and rivers become streams again. This phenomenon reveals an unknown object buried beneath the abyss of the landscape. This object made of one of the rare strongest metals known to man, manipulated in an organic form by some sort of technology not known to present mankind. This object rusting here and building up barnacles for who knows how long. How was it possible that this object was created? Who or what created it? How did it get here? And Why? What can we learn from it? Whatever it may be, the sand spilling through the glass has no given time, for those who dare attempt to witness and examine this object may be lost to the next vicious weather in the horizon.
The awareness of Indigenous Culture brings forth visualizations of all that is natural to our environment, native, spiritual & sacred. In the culture of The Tongva Tribe, two Shamans divided work through two spiritual paths: (1. The path of being conscious: to spread stories, poetry & dancing rituals & 2. the path that required the exploration of astrology). With this Tongva Learning Center one can journey into open spaces to obtain knowledge of storytelling, dances & craftsmanship. As one transitions to a narrower path & compressed spaces, the landscape takes individuals to a more meditative space to relax the mind, body & soul.
This course covers landscape construction problems involving construction materials, detailing, and construction document preparation. Construction detailing articulates how materials fit together, how they are joined and how structures are supported. The course will emphasize the esthetics of landform, as well as the functional role of earthwork, and the means for coordinating the implementation of your plans.

Goals & Objectives:
1. Understanding the basic properties of each construction material,
2. Understanding the units of each material type so they may be assembled to create attractive, functional, safe, and durable elements in the landscape,
3. Understanding the connecting elements such as mortar and fasteners, for authentic details that can be easily constructed and will endure,
4. Understanding landscape forces such as gravity, live loads, retained earth, groundwater, and wind, in order to design landscape elements that withstand these forces,
5. Understanding the conventions for construction documents,
6. Articulating designed elements in graphic form, following accepted graphic conventions, and
7. Improving graphic quality in order to create professional level construction details.
MULTIPURPOSE BENCH: THE SWITCH

LA332 Landscape Construction
Professor: Keiji Uesugi
Department of Landscape Architecture
Cal Poly Pomona University
Winter 2018

Team project with: Mitchell Lam & Tatsujuki Suenaga

The concept of our bench is based on the exploration of how scissors are utilized. We studied the motion of scissors' movement and implemented into the design. Through our exploration, we found that the bench can be utilized more than what we initially envisioned. Building upon our design, we hope to bridge this concept into our future designs.

Design Process:
• Sketching ideas
• Rhino 3D Model
• CNC profile
• Building frames of each layer
• Screw them together
• Sanding and Staining
• Attaching each module through a dowel
Designing a residential landscape with three settings that are interconnected thru circulation building a spatial transitional experience. The first setting being a welcoming front entry garden with bright colors and multi texture plants which creates an inviting setting thru curiosity. Followed by a both semi-inviting and semi-private setting created by an enclosure of small canopy trees that give shade to the area and waist height shrubs giving the space a more containment feel. To conclude, the third setting resting in the back of the residence is a private yet comfortable space. It consist of three areas, two being sitting areas that funnel you into the final open space surrounded by screening vertical trees, creating a cozy and intimate space.
GROUND COVER

1. IVY PELARGONIUM
   PELARGONIUM PELTATUM
2. SPANISH LAVENDER
   LAVANDULA STOECHAS
3. SEA LAVENDER
   LIMONIUM PEREZII
4. TRAILING LANTANA
   LANTANA MONTEVIDENSIS

SHRUBS

5. PURPLE CORDYLINE
   CORDYLINE
6. KANGAROO PAW
   ANIGOZANTHOS HYBRID
7. HEAVENLY BAMBOO
   NANDINA DOMESTICA

8. PURPLE FOUNTAIN GRASS
   PENNISETUM SETACEUM
9. PINK FAIRY DUSTER
   CALLIANDRA ERIOPHYLLA
10. YESTERDAY, TODAY, & TOMORROW
    BRUNFELSSIA PAULIFLORA
11. GIANT BIRD OF PARADISE
    STRELITZIA NICOLAI

12. SHRUBBY YEW
    PODOCARPUS
    PODOCARPUS MACROPHYLLUS
13. PINK MELALUCA
    MELALUCA NESOPHILIA
14. WESTERN REDBUD
    CERCIS OCCIDENTALIS
15. FRAGRANT OLIVE
    OSMANTHUS FRAGRANS

TREES

16. SEA LAVANDER
    LIMONIUM PEREZII
17. IVY PELARGONIUM
    PELARGONIUM PELTATUM
18. SPANISH LAVENDER
    LAVANDULA STOECHAS
19. SEA LAVENDER
    LIMONIUM PEREZII
20. TRAILING LANTANA
    LANTANA MONTEVIDENSIS

SECTION A-A'

SECTION B-B'

SECTION C-C'
The studio has investigated and interrogated the idea of the Taylor Yard—a derelict and defunct node of Los Angeles transportation infrastructure poised for a new life in the contemporary landscape of Los Angeles. This studio has dismembered the site to better understand and reveal its unique and very local potential. The studio will now use the train yard to create a speculative illustration of the emergent landscape of Los Angeles.
With 2050 bringing ever increasing temperatures and uncertainty of the future, the railway trails serves as an example of optimism and community to the industrial area of Aliso Village and connecting the local residents to an area where both the urban environment meets with wilderness. The trail serves as an important area of community outreach and providing an area for local workers to eat, rest, and enjoying an area of recreation during the weekends.
DESIGN VILLAGE 2015: CLOCKWORK

Advisor: James Kawahara
Department of Architecture
East Los Angeles College
Fall 2015

Team project with: Thomas Gin, Ivan Hu, Eddie Ramirez & Matthew Rivera

Design Objective: This year’s theme was clockwork. The structure will need to meet a minimum task of housing the team for a weekend. No blue tarps are allowed for the structure and teams will need to find ways for funding themselves.

Design Statement: We approached the design by conceptualizing the term clockwork. A biological form that represents the theme by utilizing the circadian rhythm. The circadian rhythm lead us to discover that a perfect form like the golden section can represent its meaning and not have to incorporate “gears”. Essentially the structure is made of five independent substructures that allow the unit as a whole to breathe and come alive. So we used a light fabric that was partially see-through to allow wind to get caught and be forced to tunnel through the structure. The structure also protected us from direct sun light.

TEAM WON MOST HABITABLE AWARD

Concept

Form Inspired by Golden Ratio
Allow a Public Experience
Sleeping Formation
Public Presentation

Concept 3D Models

Metal Framework
ANCHORED STRUCTURES FOR SUPPORT

EACH PANEL WAS CUSTOM FIT IN SIZE & USED A PULLEY SYSTEM TO CAPTURE WIND

TEMPATURE LOWERS INSIDE THE STRUCTURE
Boyle Heights is a city full of culture, pride and unity; Culture is seen throughout the city, it is seen in restaurants, in people and in art that is displayed throughout the streets. Every single mural found throughout the city shares a story about the culture of the people who have come & gone. The murals stand today with pride from the community because they express the diverse history that rests on the streets of Boyle Heights. This community is proud of the different cultures that have been here and welcome more to come, because to them, the more layers of culture you keep adding on to the neighborhood, the stronger this community becomes united. The class has been given a project to design a museum for the city of Boyle heights. Given that the site is a vacant lot across the street of Mariachi Plaza, through my site analysis I discovered that the gazebo was imported from the city of Jalisco, Mexico. Jalisco is well known for tequila & the birth of mariachi music (hence, Mariachi Plaza). What some may not know is that Jalisco is also known for being a region belonging to the Huichol people. The Huichol people are also known for being a community of unity, which they express through knitting art. Each of their murals also tell their own story, just like the murals found in Boyle Heights. I will design a museum that is dedicated to the community which allows them their own space to display their art so each individual can come and share their own story to the public.
From the moment a Spadefoot Toad is born, its main objective is to get to a state of hybernation. Living in a time-based environment, where there is minimal rain fall in the Sonoran Desert, the toad must constantly adapt to its surroundings. Thus, its environment dictates the character of the Spadefoot toad. Through its transition from an omnivore to a carnivore, & to its state of hybernation, we observed the utilization of three components of sustainability: layering of dead skin, absorption/recycling of water through osmosis, & awareness to react/adapt with the sound of thunder. We have recreated the concept of the journey the Spadefoot toad experiences through its environment.