

Downtown Revitalization

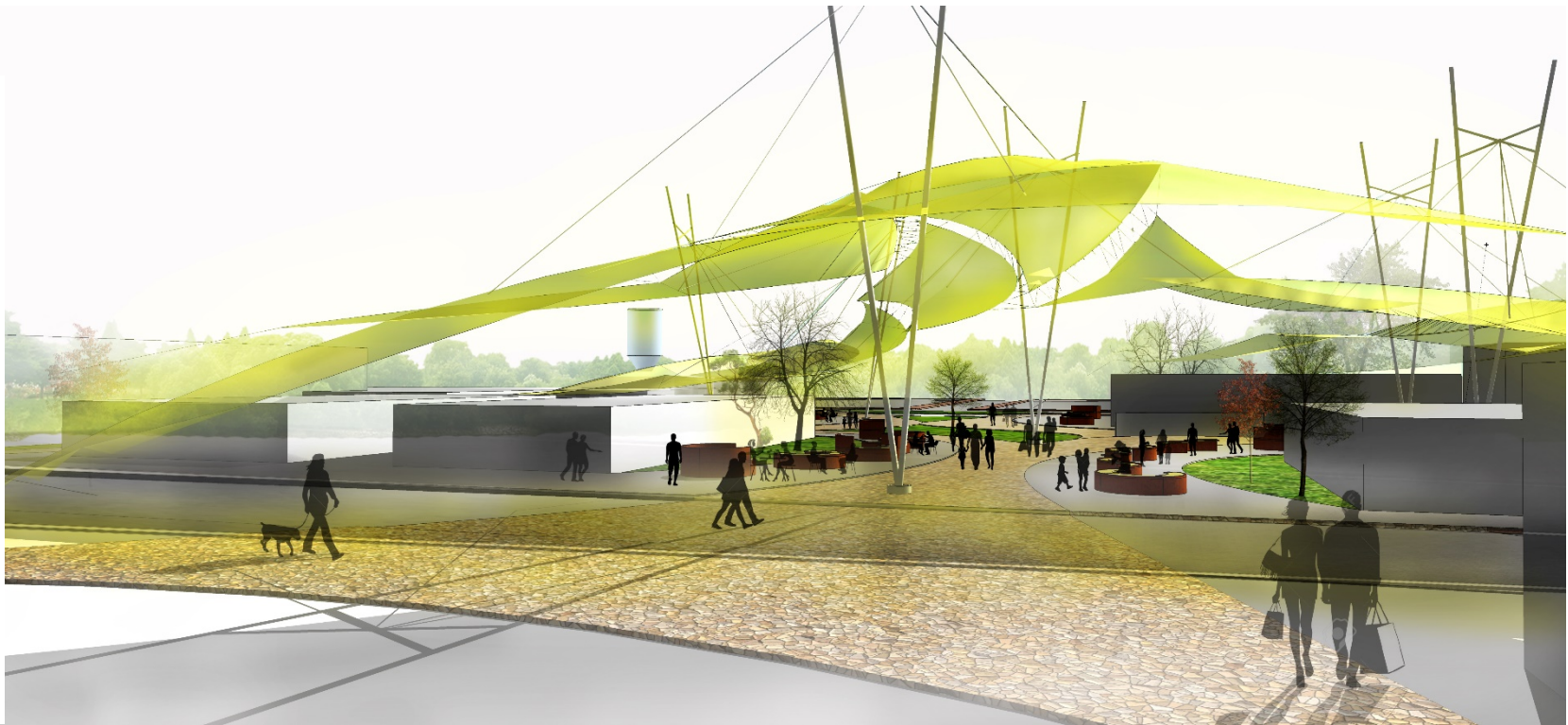
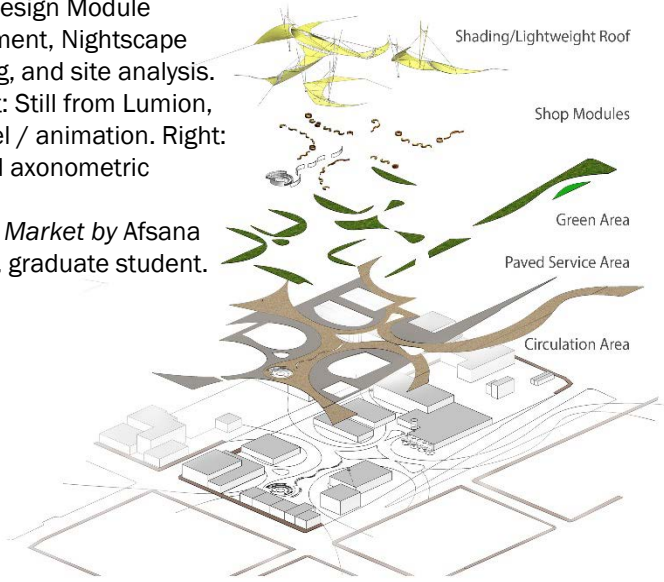
Advanced Urban Design Studio
Graduate Second Semester Core

Revitalizing Urban Communities is an advanced design course focused on urban retrofitting in downtown New Braunfels, Texas. Building on core urban theories and skills in hand drawing, 2D and 3D illustration, the course introduces in-depth research and analysis into design process. Throughout the course, storytelling and user experiences was emphasized focusing on urban sustainability and resilience.



Above: Design Module development, Nightscape rendering, and site analysis.
Far Right: Still from Lumion, 3D model / animation. Right: Exploded axonometric

Open Air Market by Afsana Sharmin, graduate student.



Downtown Revitalization

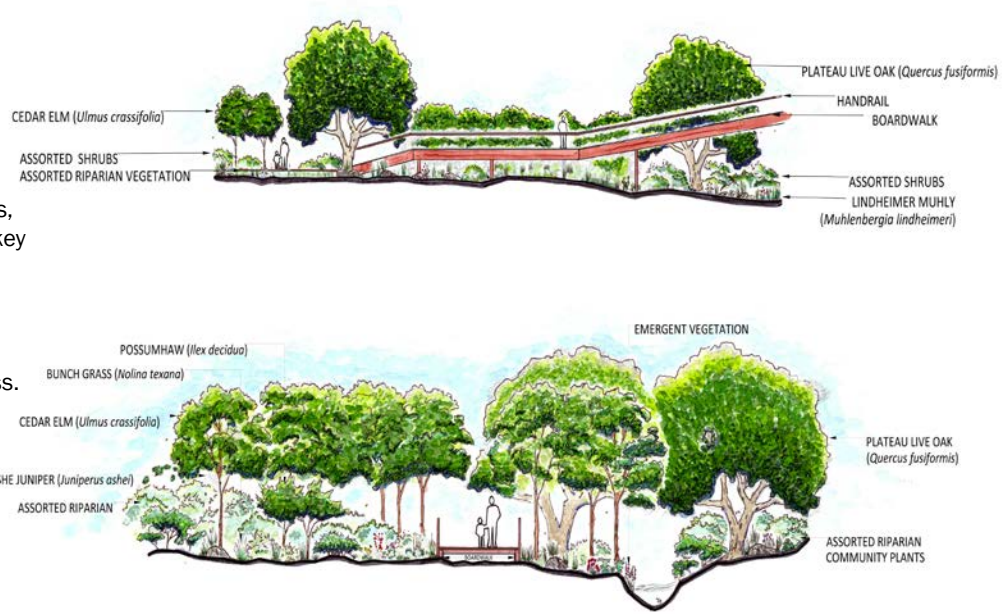
Advanced Urban Design Studio
Process



Clockwise from Left:
Student collaboration in
traditional design process,
video conferencing with key
partners for final
presentation, studio-wise
discussion for design
framework development.
Typical team work process.



Right: Student project Creek
Greenway System Design. Michael
Ross. Photo-rendered image with
design programs and transverse
section/elevations. First Place,
Texas Tech Graduate Research
Poster Competition



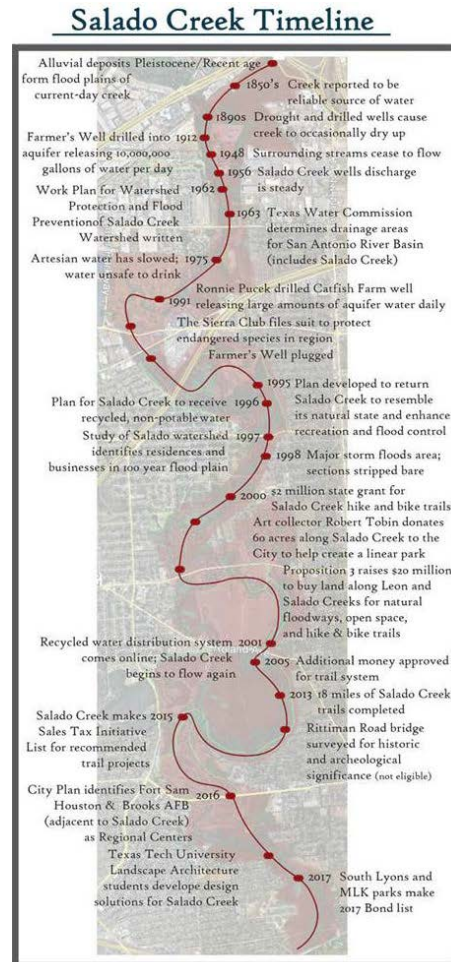
Envisioning Community of Ecological and Social Sustainability

Urban Design Studio
Fifth Semester Core

Urban Design Studio of 2016 comprised of 14 fourth year undergraduate and 5 graduate students examined “River East District”, the east side of downtown San Antonio, Texas, which has underserved low-income communities. The overall goal of the project was to revitalize the urban district with design measures and solutions that are creative, innovative, and proactive to address current challenges of lack of connectivity, flooding, and social segregation. The project began with understanding a broad context of the study area and went through a thorough research and in-depth analysis to identify the issues and opportunities inherent to the River East District. The projects emphasized the triple bottom line (TBL) framework for strategic redevelopment with the themes of connectivity, sustainability, and integration. Student design proposals encompass various concepts including urban agriculture, waterscape, landscape justice, economic revitalization, sense of public, open space reactivation, and Low Impact Development under the unified vision of rejuvenating the River East District.

Right:
Historic study for urban river stretch. *Salado Creek Stormwater Mitigation and Ecological Rehabilitation*. Olivia Ross

Far Right:
Creating Economic Hub Through Urban Revitalization. Master Plan. Hank Oliver.



Left: Cover of design booklet with collective compilation of student projects

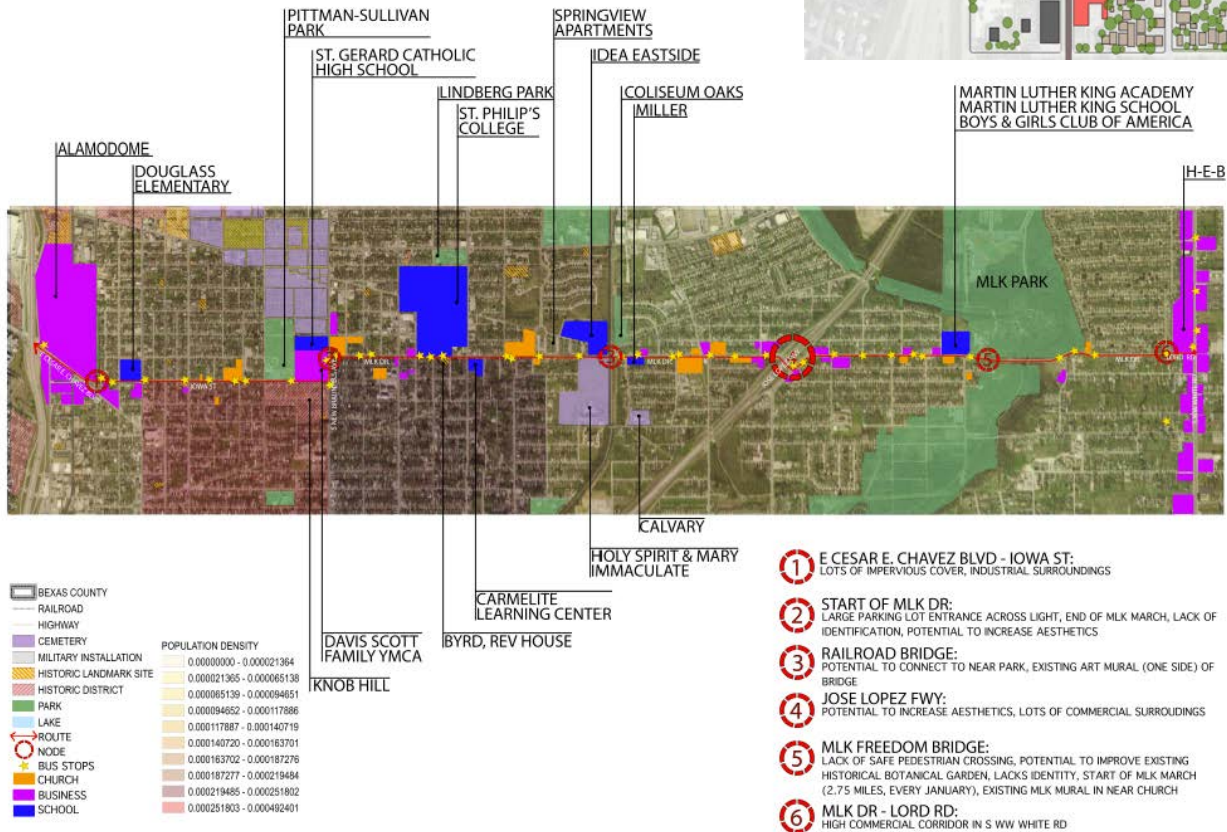
Envisioning Community of Ecological and Social Sustainability

Urban Design Studio

History + Food + Art

Below:

Promoting Neighborhood Identity by Celebrate the Community's History. Corridor Development Plan. Idalia Vera



Right:
Let It Grow: Willow Park Coliseum Neighborhood Food Revitalization and Community Building. Final proposal poster by Natalie Campbell

Let it Grow

- East San Antonio Food Revitalization -

Natalie Campbell

- LARC 4401

- Urban Design

- Dr. Sohyun Park

- Fall 2016

Project Description

East San Antonio has been the victim of neglect for some time. This project focuses on the "food desert" concept with concentration on the most isolated and lowest income neighborhood of the study area.



Goals & Objectives

1. Bring quality food to the focus neighborhood
2. Make food easily accessible to the focus neighborhood
3. Increase community health

Food Establishment Distribution

The study area has very little quality food choices and there are even less in Willow Park. Here you can see that Willow Park is extremely isolated from food sources, especially quality food sources. East San Antonio and Willow Park both desperately need an intervention to solve the "food desert" problem in the city.



Land Use

Studying the current land use helps find the least invasive property to develop when implementing a solution to the food desert. This can prevent gentrification, and create better integrated spaces within the community. Some of the potential beneficial land uses that are proposed include:



Pedestrian Shed Study

Using the average pedestrian shed of 1/4 mile, sites were chosen and analyzed in terms of the connectivity to the Willow Park community as well as the surrounding area outside of the focus area. The goal is to find spaces found through the land use study that could be developed based on numerous factors including proximity to bus stops, number of households within the shed, and surface area within the neighborhood. For the entire neighborhood to receive benefits of the implemented development, almost all of the neighborhood should be reached and within a 1/4 mile or less of an opportunity space.

- 1 Opportunity Space
 - Near major utility site
 - Largest open space in Willow Park
 - Reaches 1/3 of Willow Park
- 2 Opportunity Space
 - Most centrally located
 - Only within Willow Park
 - Reaches over 1/2 of Willow Park
- 3 Opportunity Space
 - Centrally located
 - Reaches over 1/2 Willow Park
 - Touches outside the focus area
- 4 Opportunity Space
 - Currently a Uni-First (Can be relocated)
 - Lot has multiple un-used buildings
 - Reaches the smallest amount of the neighborhood
 - Could be a major connection to other spaces outside of the neighborhood
- 5 Opportunity Space
 - Fills an isolated area of Willow Park
 - Reaches about 1/3 Willow Park
 - Touches outside the focus area

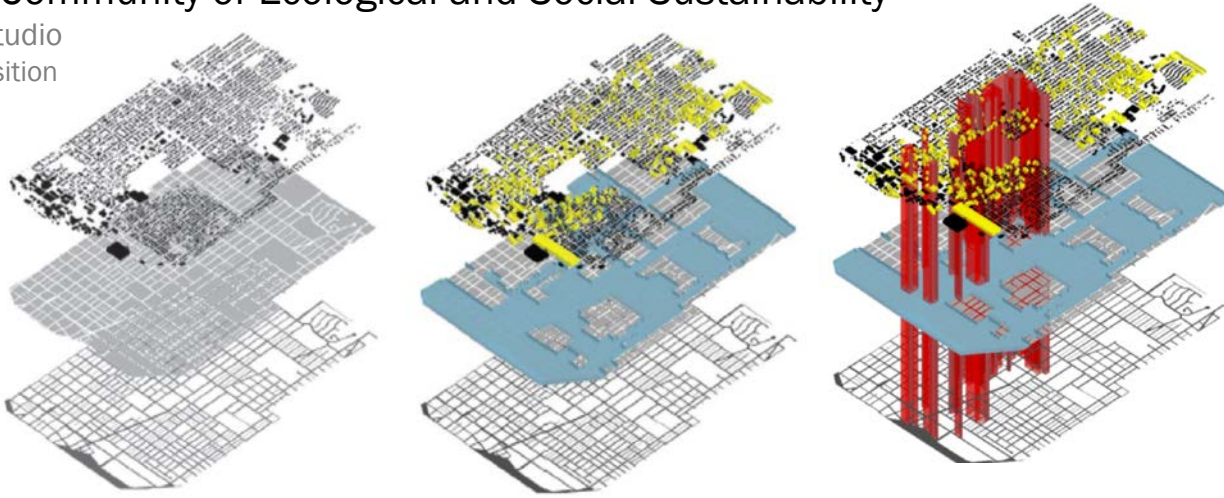
Conceptual Ideas



Envisioning Community of Ecological and Social Sustainability

Urban Design Studio

Tradition // Transition



Junction Park. Evan Cuyler

Below: Site Plan for junction park as a connecting point for adjacent neighborhoods, downtown, the River Walk, and commercial districts

Right: Stills from Lumion 3D model



*Back from the Grave:
Reanimating the River East
District through Cemetery
Tourism. Jared Horsford*

Above:
Analyzing the Urban Fabric -
infrastructure, physical texture,
street grid, TIRZ district, vacancies,
economic catalyst sites. Integrated
axonometric analysis diagram.

Left: Still from Lumion 3D model

Below: Hand sketches + marker
painting

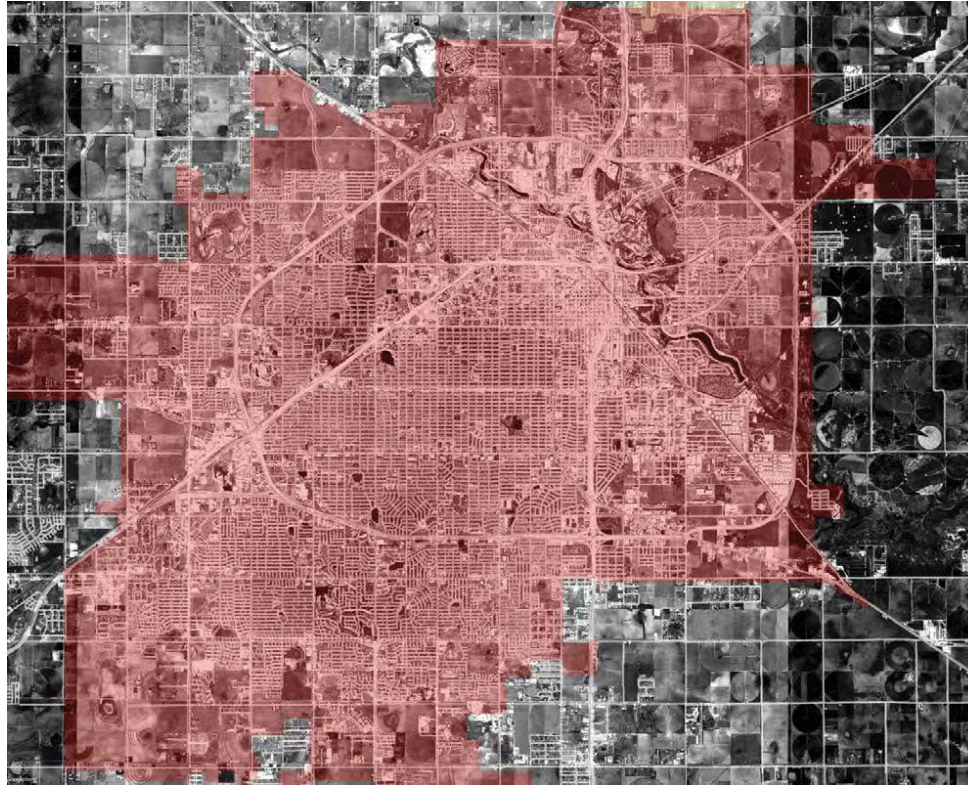
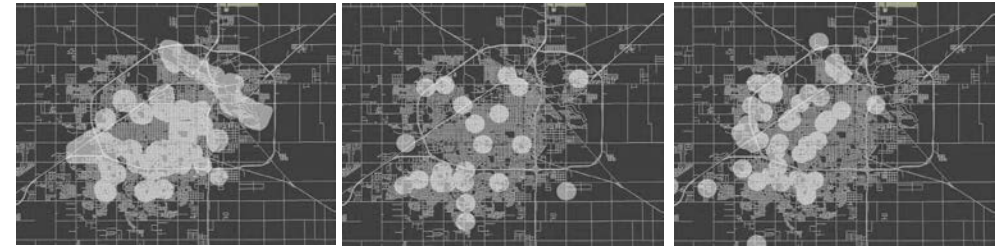


Urban Connectivity

Regional Planning and Design Studio
Sixth Semester Core

Connection study focused on three main areas: green space, parks, outdoor social areas, public recreation, tracks, gyms, sports fields, healthy food providers, grocery stores.

Far Right:
Healthy Proximity. Providing Green Space, Recreational Facilities, and Healthy Food within Walking Distance. GIS Analysis by Blane Potts



Merit Award
Texas ASLA 2017 Student Design Competition

MASTER PLAN

1. ALBUQUERQUE HIGH SCHOOL SOCCER STADIUM
2. PARKING LOT DETENTION AREAS
3. SUPERPLAZA
4. SOL-COLLECTOR TOWER
5. SUPERPLAZA COMMUNITARIAN OFFICES
6. CHAMPIONSHIP TENNIS COMPLEX
7. TOURNAMENT FIELDS
8. ICE-TOWER
9. MINOR LEAGUE STADIUM
10. ICE-TOWER
11. HOTEL
12. CALLEMAN PLAZA
13. GALILEO TECHNOLOGY PLAZA
14. GALILEO FOUNTAIN PLAZA
15. PAVILION TOWER
16. CANALS OUTPOST
17. WHOLE FOODS
18. PARKING GARAGE
19. PARKING GARAGE
20. MIDDLEWARE INDUSTRIES
21. TRAFFIC CIRCLE SCULPTURES TOWER
22. OFFICE BUILDING
23. OFFICE BUILDING
24. OFFICE BUILDING
25. TROOP KEN
26. PREPARED MIDDLE SCHOOL
27. MIDDLE-PREPARED HIGH SCHOOL
28. JOURNALISM CENTER
29. BARNETT COURTS
30. BARNETT COURTS
31. COMMUNITY GARDEN PARK
32. EXPLORATION MUSEUM
33. HISTORIC MUSEUM
34. PERFORMING ARTS CENTER
35. RECREATION LIBRARY
36. ART GALLERY
37. ADMINISTRATION OFFICES
38. EXISTING OFFICES
39. HOTEL ALBUQUERQUE RENOVATION
40. SUBURBAN OFFICES
41. APARTMENTS
42. EXISTING PARK
43. COMMUNITY GARDEN

LAND USE KEY

- RETAIL
- OFFICE
- HOTEL
- RECREATIONAL
- INSTITUTIONAL
- MIXED-USE
- MULTI-FAMILY
- SINGLE-FAMILY

[illegible]

The top diagram, titled "NATURAL BOSQUE DEPRESSION," shows a cross-section of a landscape with trees and grass. Blue arrows indicate water flowing into a natural depression in the ground, which is filled with organic matter, allowing for deep infiltration into the soil.

The middle diagram, titled "AMENDED SOIL," shows a cross-section of a landscape with trees and grass. Blue arrows indicate water flowing into a series of small, rectangular pits or basins in the ground. These pits are filled with amended soil, which allows for rapid infiltration into the underlying ground.

The bottom diagram, titled "WILDLIFE OZULZER," shows a cross-section of a landscape with trees and grass. Blue arrows indicate water flowing into a series of small, rectangular pits or basins in the ground. These pits are filled with amended soil, which allows for rapid infiltration into the underlying ground.

Figure 1 consists of three panels illustrating the regional context and site views of the proposed bridge.

- Top Panel:** A profile view of the Rio Grande Valley from the Big Game Valley. It shows the Rio Grande, Petroglyph National Monument, and the proposed 'Rio Grande Valley' bridge. The bridge is shown crossing the river, with the 'Rio Grande Valley' area on the left and the 'Big Game Valley' area on the right. The bridge is labeled 'RIO GRANDE VALLEY BRIDGE' and 'UPPER RIVER'.
- Middle Panel:** A map of the Rio Grande Valley showing the proposed bridge and surrounding cities. The map includes labels for 'RIO GRANDE VALLEY', 'BIG GAME VALLEY', 'RIO GRANDE', 'PETROGLYPH NATIONAL MONUMENT', 'BIG GAME VALLEY', 'UPPER RIVER', 'RIO GRANDE VALLEY BRIDGE', and 'UPPER RIVER'.
- Bottom Panel:** A map of the Big Game Valley showing the proposed bridge and surrounding cities. The map includes labels for 'BIG GAME VALLEY', 'RIO GRANDE', 'PETROGLYPH NATIONAL MONUMENT', 'BIG GAME VALLEY', 'UPPER RIVER', 'RIO GRANDE VALLEY BRIDGE', and 'UPPER RIVER'.

[illegible]

*Distilling Contemporary
Urbanism In Context: The
Albuquerque Sawmill
District by Blane Potts
and Derek Gay*

WEAVING NATURE INTO THE URBAN FABRIC



1. TRAIL CONNECTION TO BID PARK
2. CONNECTION TO EXISTING TRAIL
3. COMMUNITY GARDEN
4. EXISTING POCKET PARK
5. NATIVE BOSQUE DEPRESSION AREAS
6. DOG PARK
7. MULTI-PURPOSE ATHLETIC FIELD
8. ADJUTANT COURTS
9. CONNECTION TO STADIUM TRAIL
10. CONNECTION TO TRUCK PARK



PERSPECTIVE A - INTEGRATING GREEN SPACE INTO BUILDING MASSES

NATIVE BOSQUE DEPRESSIONS/ WILDLIFE HURTL



ELEVATION C - GREEN SPACE ZONES

MULTI-USE RECREATIONAL TRAIL

NATIVE BOSQUE DEPRESSIONS/ HABITAT AREA

URBAN STORMWATER BIOFILTRATION

PERFORMING ARTS AND EDUCATION COMPLEX

1. PERFORMING ARTS THEATRE
2. REGIONAL LIBRARY
3. ART GALLERY SPACE
4. ADMINISTRATIVE OFFICES
5. PUBLIC ART DISPLAY
6. EDUCATIONAL WILDLIFE LOWER MEADOW
7. INTERACTIVE PLAY AREA SPLASH PAD
8. RAIL BRIDGE STRUCTURE
9. PLAZA RESTING AREA
10. BOUNDARY NATIVE VEGETATED BUFFERS
11. NATIVE BOSQUE DEPRESSIONS
12. ADMINISTRATIVE PARKING
13. BICYCLIST PARKING
14. GATEWAY CONNECTION TO GREENBELT
15. INTIMATE OFFICE ENTRANCE
16. PEDESTRIAN PROMINENCE
17. BIKE RACKS
18. PLAZA FOCAL ART DISPLAY



PERFORMING ARTS AND EDUCATION PLAZA - SITE PLAN



PERSPECTIVE A - PERFORMING ARTS AND EDUCATION PLAZA



ELEVATION B - PERFORMING ARTS AND EDUCATION PLAZA

PERFORMING ARTS THEATRE

PLAZA GATEWAY

INTERACTIVE PLAY AREA SPLASH PAD

PUBLIC ART DISPLAY

PLAZA RESTING AREA

WILDLIFE LOWER MEADOW

FOCAL ART DISPLAY

LIBRARY GATEWAY

LIBRARY GATEWAY

BIKE RACKS

ALBUQUERQUE SOL FC STADIUM AND SPORTS COMPLEX

1. THE ALBUQUERQUE SOL FC STADIUM
2. STADIUM MAINTENANCE
3. STADIUM RETAIL PARKING
4. PARKING DETENTION PONDS
5. RETAIL RESTAURANTS
6. TENNIS PRACTICE FACILITY
7. SOL CHAMPIONSHIP TENNIS COURT
8. REGIONAL RECREATION FACILITY
9. TOURNAMENT SOCCER FIELDS
10. MULTI-USE TRAIL SYSTEM
11. PEDESTRIAN CONNECTION TO FIELDS
12. PARKING GARAGE
13. THE ALBUQUERQUE SOL ADMINISTRATIVE OFFICE
14. SCULPTURE
15. VICTORY PLAZA
16. ICEING PEERS MAIN BRIDGE
17. PARKING GARAGE
18. EXISTING MULTI-USE TRAIL



ALBUQUERQUE SOL SPORTS COMPLEX - SITE PLAN



PERSPECTIVE A - SIGNATURE VIEW OF THE SAMWELL DISTRICT MAIN ENTRANCE



PERSPECTIVE C - VIEW TOWARD ALBUQUERQUE SOL FC STADIUM WITH TOURNAMENT FIELDS IN FOREGROUND



ELEVATION B - ALBUQUERQUE SOL FC STADIUM AND SPORTS COMPLEX

URBAN PEDESTRIAN EXPERIENCE

1. BUS STOP MAIN PLAZA ENTRANCE
2. TOWER PLAZA
3. RESTAURANT VIEWING TOWER
4. HOTEL AND CONFERENCE CENTER
5. HOTEL UNDERGROUND PARKING ENTRANCE
6. COMMUNITY SEATING BASED NATIVE PLANTING
7. OPEN PERFORMING ARTS/ INTERACTIVE AREA
8. OPEN AIR MARKET SPACE
9. PARKING GARAGE ENTRANCE
10. RETAIL
11. SHOPPING RESTROOMS
12. MIXED USE RETAIL/OFFICE
13. COURTYARD HEATING
14. RAIL COVERED CONNECTION CORRIDORS
15. PASSIVE OFFICE COURTYARD
16. RESTAURANT SEATING FOUNTAIN
17. PEDESTRIAN ACCESS TO NORTH HILL COMPLEX
18. PEDESTRIAN BRIDGE
19. WEST FOUNTAIN COURTYARD/ FOCAL SCULPTURE
20. OFFICE BUILDING
21. RESTAURANT RETAIL
22. OFFICE BUILDING
23. RESTAURANT/ RETAIL



GALLERIA ALBUQUERQUE - SITE PLAN

ELEVATION A - 4.9 MILES OF URBAN BIOFILTRATION USING CURB CUTS AND NATIVE PLANTING



PERSPECTIVE B - GALLERIA ALBUQUERQUE MAIN PLAZA



ELEVATION C - MAIN PEDESTRIAN MALL PLAZA

RETAIL EXPERIENCE

COMMUNITY SEATING

NATIVE PLANTING

OPEN PERFORMING ARTS

INTERACTIVE EXPERIENCE

ADA ACCESSIBILITY

PUBLIC ART DISPLAYS

OPEN AIR MARKET

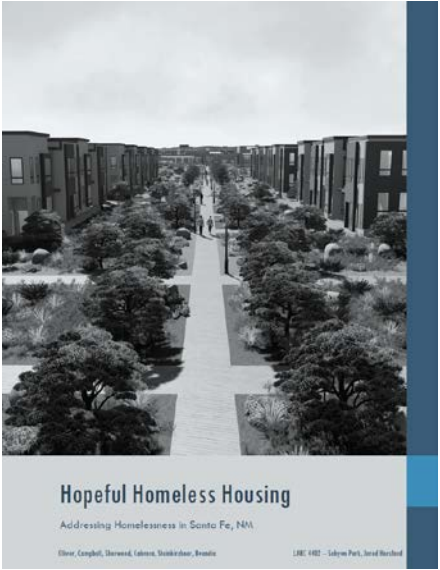
RETAIL EXPERIENCE

Hopeful Homeless Housing

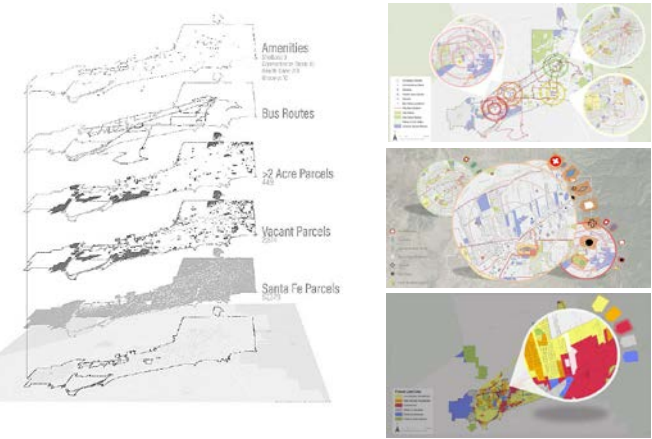
Regional Planning and Design Studio

Merit Award
Texas ASLA 2018 Student Design Competition

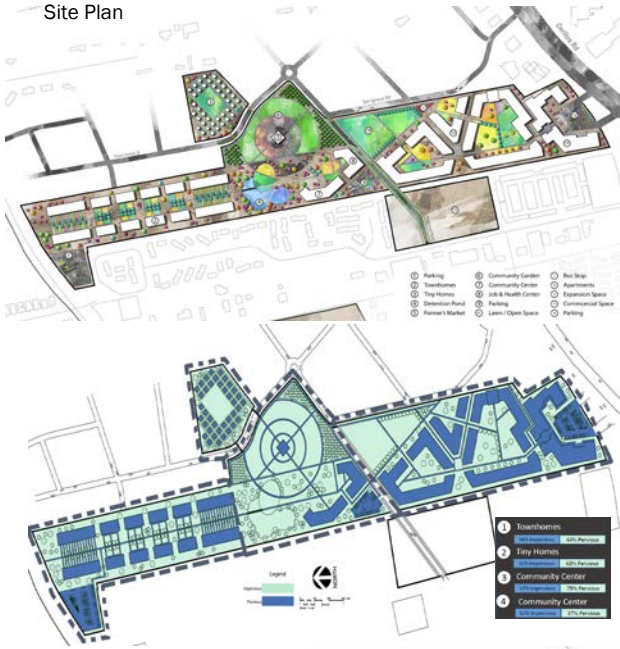
The homeless population within the city of Santa Fe, New Mexico is a hidden distress. There are limited amounts of resources available to people and families suffering from homelessness within the city of Santa Fe and state of New Mexico. In the traditional way of thinking, homeless people are given a job, but nowhere to live. While the sentiment is there, this idea is flawed. It is very difficult for a homeless person to keep a job without a place to live. They cannot wash their work uniform, get a driver's license or any other important paperwork, or even take a shower without a residence. This program encourages a newer concept call housing first. This provides stability in the form of housing from the start. Once these people have that stability, they can find work, get a driver's license, and take care of many needs they would otherwise not be able to fulfill. We are proposing a series of staged living and mixed income communities within a location that provides basic amenities and close proximity to city transportation. This staged living will allow members of the homeless community to work their way through three housing types with the option to buy or transition back into the city of Santa Fe once they have a steady income and greater stability. The general public will be allowed to live in the community as well to encourage interaction and growth between the homeless and non-homeless. The overarching goal is to not create permanent housing, but to encourage and allow for homeless people to get back on their feet. Santa Fe Mayor Javier Gonzales said in an interview that HE "envision[s] a campus where those in need of housing can receive an array of care — from temporary housing to medical or substance abuse treatment — through a partnership of community programs."



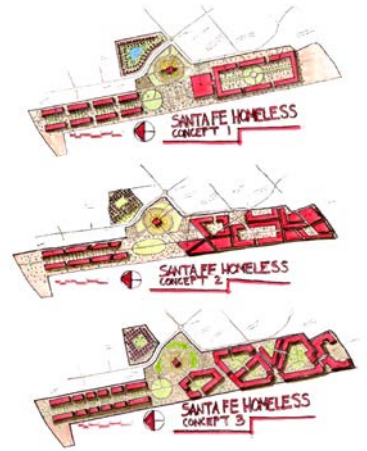
Left:
Collaborative project report by Natalie Campbell, Hank Oliver, and Alex Sherwood



Below:
Three forms of housing style: Apartment complex (first line: mixed use retail plaza), townhomes (second line), and tiny homes (bottom line).



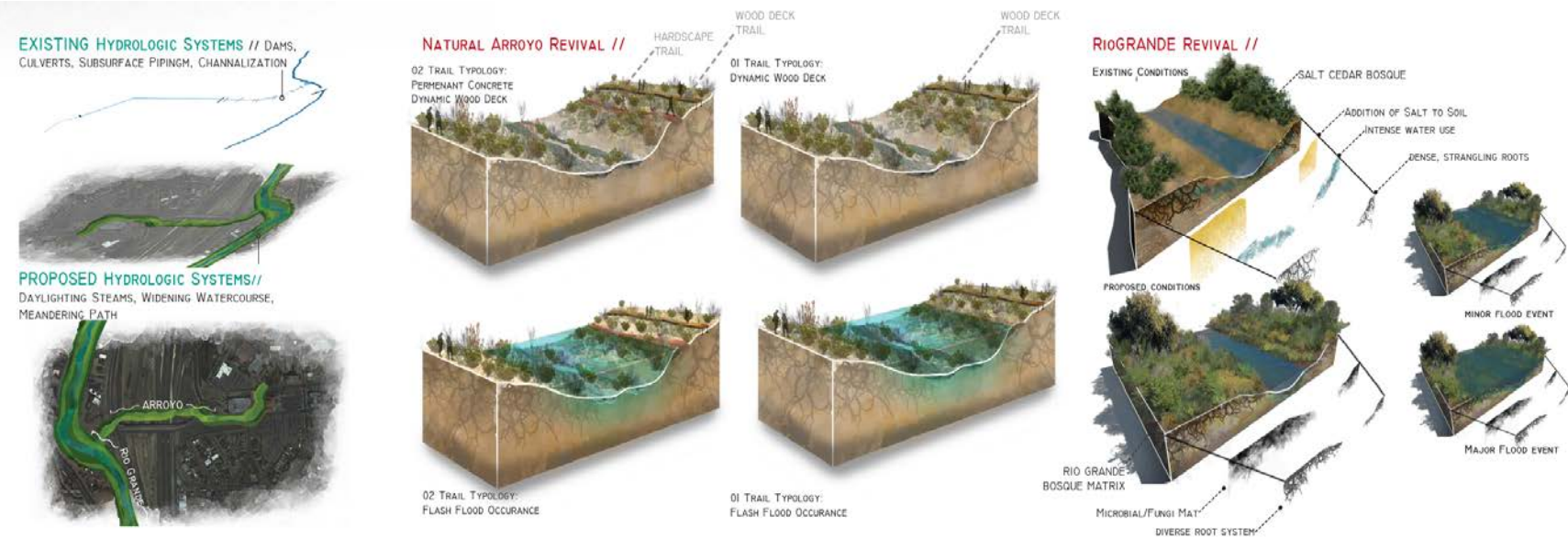
Left:
Site and amenity analysis. Programming and alternative design concept development.



Below:
Stills from Lumion 3D/ animation. Site View, Apartment Plaza. Detention Pond. Proposed Bust Stop, Community Center (from left to right)



Sustainable Future of Border Environment
Urban Design
New BLA 4-Year Curriculum: Fourth Semester Core



REDEFINING RESTORATION

PASADOS URBANOS

USING INSPIRATION FROM THE CULTURAL AND NATURAL SYSTEMS OF THE RIO GRANDE RIVER, AN URBAN CHANNEL RESTORATION WILL BE REFORMING THE URBAN CORE OF THE CITY OF EL PASO. JUST LIKE WATER, HUMAN ACTIVITY CANNOT BE CONTROLLED, OR FORCED TO MOVE ANYWHERE. AS OF RIGHT NOW, DOWNTOWN EL PASO HAS CHANNELIZED ITS HUMAN ACTIVITY TO A SMALL, FAST, PAVED CHANNEL. BY USING THE NATURAL SYSTEMS OF THE RIO GRANDE AS PRECEDENT, THE NATURALIZATION OF THE URBAN CHANNEL WILL BE USING GREEN CORRIDORS AND PARKS TO RESTORE RECREATION FLOW TO A BROADER, PASSIVE, FLOWING CHANNEL. WITH THE NATURAL SYSTEMS OF THE URBAN RIVER CHANNEL, RESTORED, A NEW "URBAN PASS" WILL BE CREATED, NOT ONLY AS A REPRESENTATION OF PASO DEL NORTE AND THE RIO GRANDE RIFT, BUT AS A FUNCTIONAL PASS THROUGH THE URBAN CORE OF THE CITY OF EL PASO.

MASTER PLAN



CONNECTION



PARBLETS CONNECT THE MAIN PARK SYSTEM THROUGH THE USE OF MATERIALITY AND WAYFINDING.

CONCRETE STREETS CREATE CHANNELS OF ACTIVITY AND MOVEMENT THROUGHOUT THE PARBLETS.

RECLAIM
REVIVE

CONNECT
ENGAGE

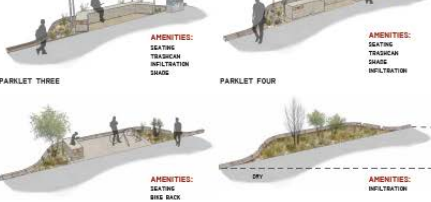
CONNECTORS

PARBLET ONE

PARBLET TWO

PARBLET THREE

PARBLET FOUR



CONTEXT MAP



MILLS STREET GREENWAY



PROSPECT PARK



1501 SUNSET HEIGHTS



FRAY GARCIA PARK



MICHAEL TSAPOG
LARC 2414
05/07/2018

UNION PACIFIC PLAZA



CHILDRENS PLAZA



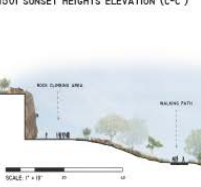
MILLS STREET GREENWAY ELEVATION (A-A')



PROSPECT PARK SECTION/ ELEVATION (B-B')



1501 SUNSET HEIGHTS ELEVATION (C-C')



UNION PACIFIC PLAZA



WALKING/ BIKING TRAIL: 1501 SUNSET HEIGHTS



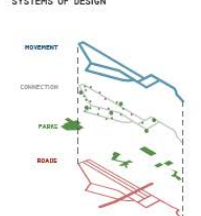
BIOFILTRATION



SPEED OF FLOWS



SYSTEMS OF DESIGN



STREET FLOW REVITALIZATION: OREGON STREET

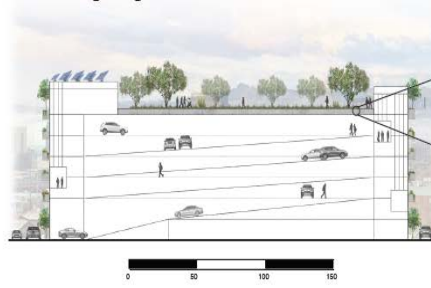


Rail-Top Parkway

An Energetic Solution to Connectivity

Matthew Hoffman
LARC 2414
Dr. Park, Mike Ross
Spring 2018

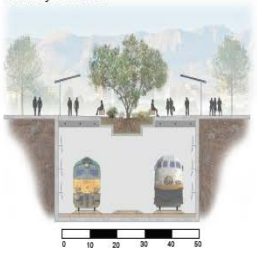
Green Parking Garage Section



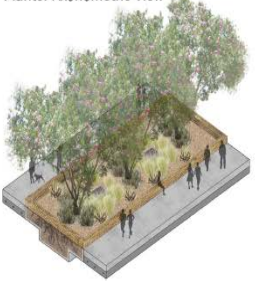
Green Roof



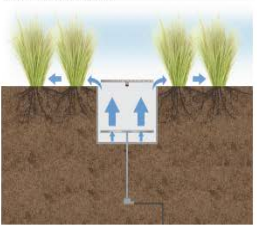
Railway Section



Planter Axonometric View



Train Vent Section



Community Flex Space Perspective



The Community Flex space acts as the neutral zone of energy. It also helps to bring functionality into downtown El Paso after dark. Ways this can happen are through concerts, movie screenings, festivals, and other night activities. This area is important because it is located on the easternmost side of the site which penetrates directly into the heart of downtown and is across the street from San Jacinto Plaza. Which can entice many visitors to enter the site and explore the many zones within.

Book Nook Perspective



The Book Nook area is apart of the Low zone of energy. It allows its pedestrians to slow down and relax within the landscape. The Book Nook areas main attraction is The Book Shelf. The Book Shelf is a massive "book" that is open during the day, and holds an assortment of books provided by the local El Paso Library across the street. Since the book is on hinges and a guardrail, the book will close at night further preventing theft in the area. The site also features a community read area where groups teacher or parents can read to children, as well as hammock poles where pedestrians can bring their own hammock to string up and relax.

Site Plan



Role: Lead Faculty Advisor

