

# Juan Rosas

Master of Landscape Architecture

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Portfolio for Coastal Watershed Resilience grant · May 2025



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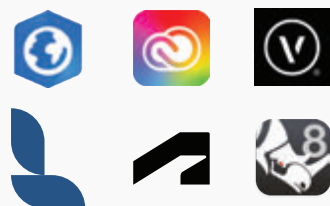
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Thank you	



# Resume & Skills

- GPA 4.0
- Languages (English / Spanish)
- Availability (July-Dec 2025, ≤20 h/wk)

## Software Skills



- GIS spatial analysis
- Nature-based design
- Community engagement
- Bilingual outreach
- Section / Detail drafting
- Native plant palette

# Education

- **Florida International University, Masters in Landscape Architecture MLA 2027**  
Aug 2024 - Current  
- GPA : 4.0
- **University of Central Florida, Associates of Arts in Architecture A.A. 2024**  
Aug 2020 - May 2024  
- Majored in Biomedical Sciences for two years, before switching to Architecture.
- **Valencia College,Transient, Architecture**  
Jan 2022 - Aug 2023  
- Final project displayed on campus, a distinction for outstanding work, featuring two drawings and a model the most pieces by a single student in the class.
- **Cypress Bay High School,High School Diploma**  
Aug 2016 - May 2020

# Experience

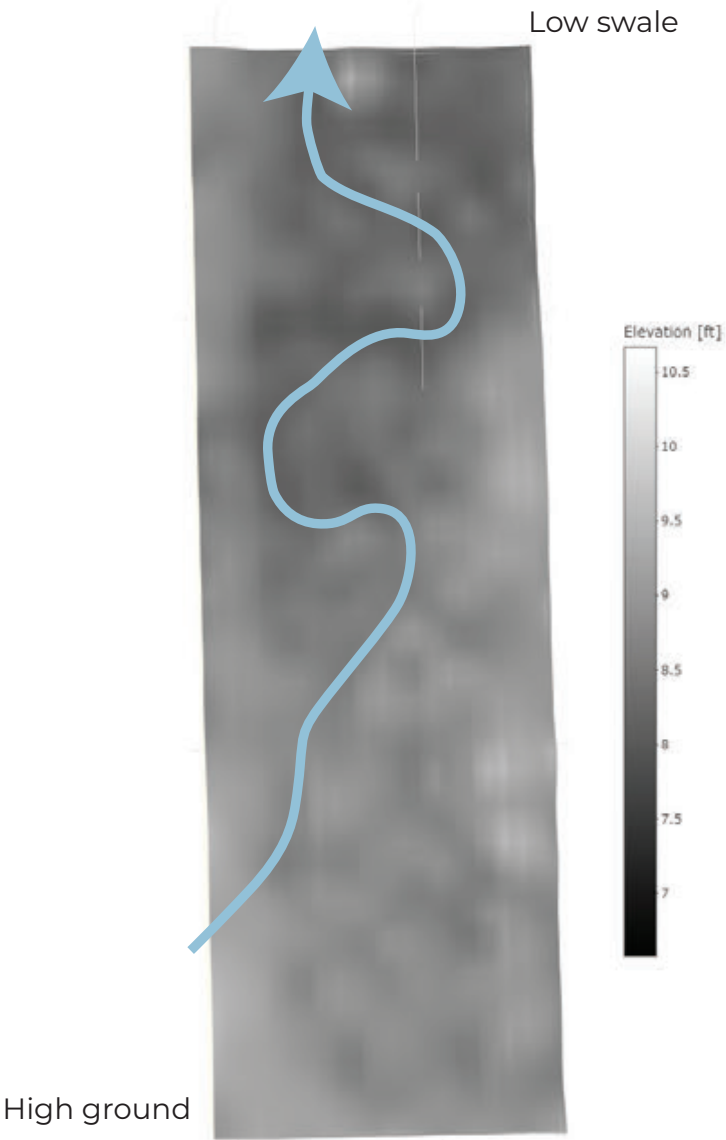
- **Intern LIS Architecture**  
May 2024 - Aug 2024  
- Worked on 18 different projects.  
- Developed variety of plans on AutoCAD for various types of projects.
- **Laboratory Assistant Valencia College**  
Jan 2024- Aug 2024  
- Maintained clean and safe environment in the Valencia West Campus Open Lab.  
- Aided students with imaging, scanning, and general questions.
- **Co-Founder, FirstClass Cleaning and Washing LLC.**  
Sep 2023 - Oct 2023  
- Led the creation and launch of the company website.  
- Designed the company logo and branding materials.
- **Customer Service Representative Atento**  
Feb 2021 - Jun 2021  
- Handled outbound and inbound calls, scheduling and editing Covid-19 vaccine appointments in Maryland.  
- Provided assistance and support to callers with their questions and concerns.



# Pinewood Cemetery - Historic Eco-Restoration

This redesign honors Pinewood Cemetery's legacy through restored paths, native planting, and reclaimed materials. Intimate nooks and a new event deck foster reflection and community use, while a sponsored arch program supports long-term maintenance and ecological stewardship.

Water flow diagram



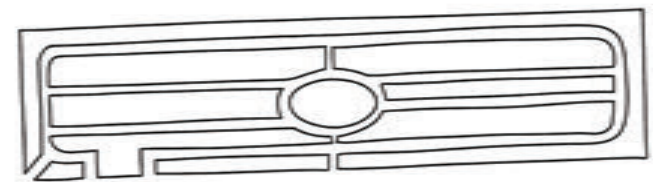
1 Historical Plan



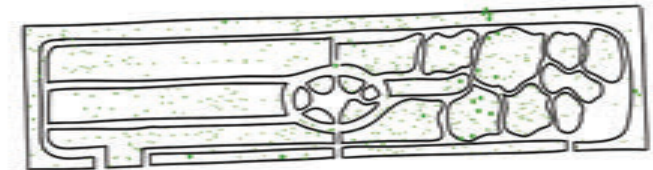
2 Historical plan & site condition overlaid



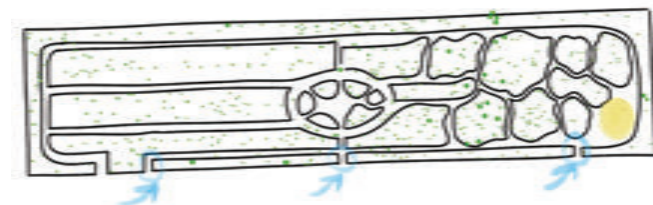
3 Historical circulation drawn



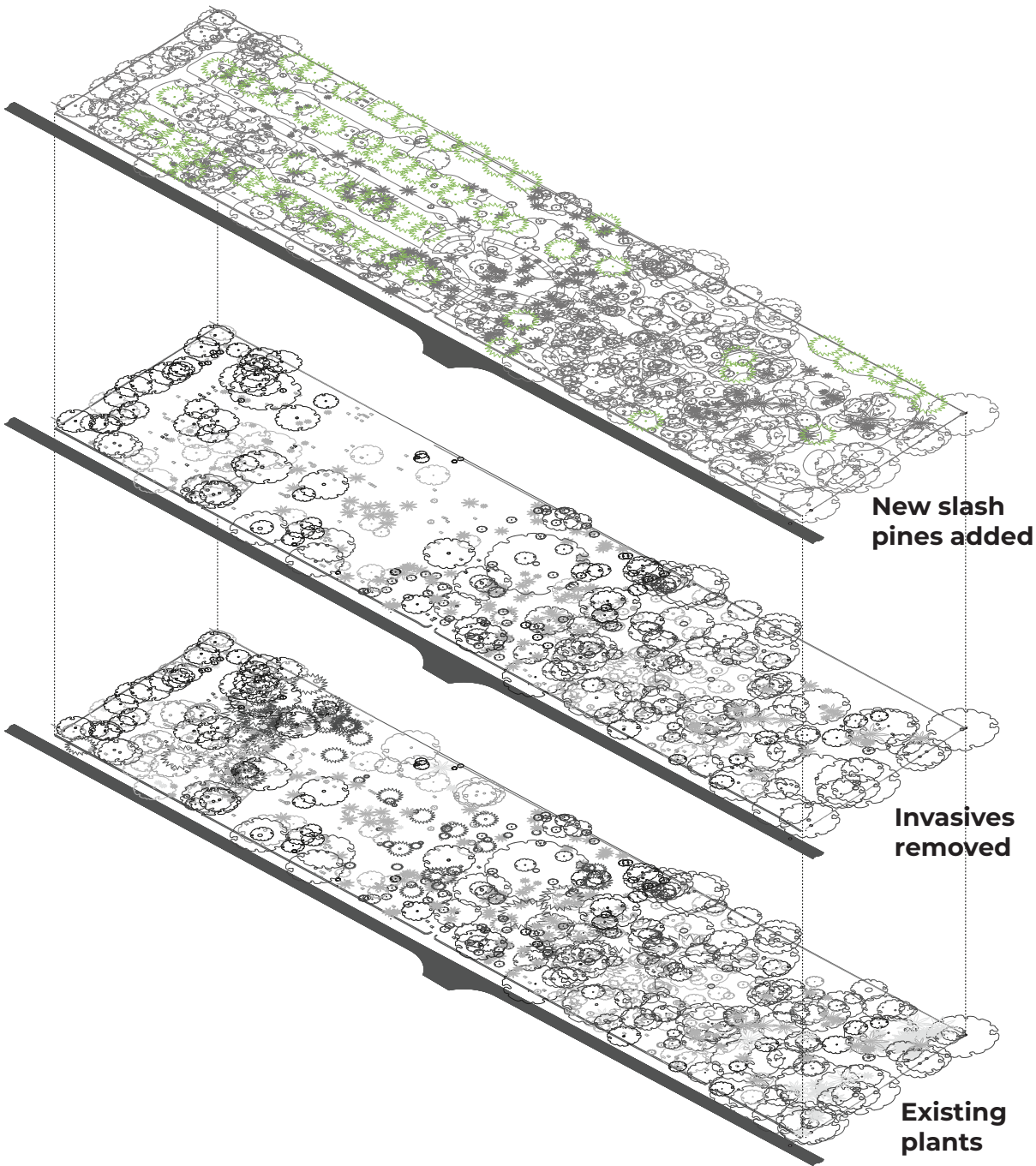
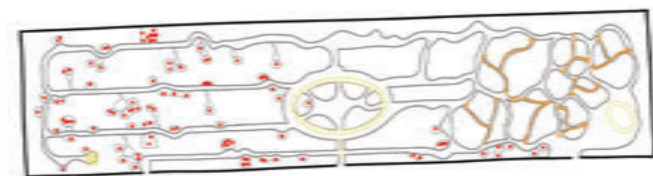
4 Islands created around plant groups



5 Entrances highlighted and deck placed



6 Headstones marked, nooks created, arches placed and trails created.





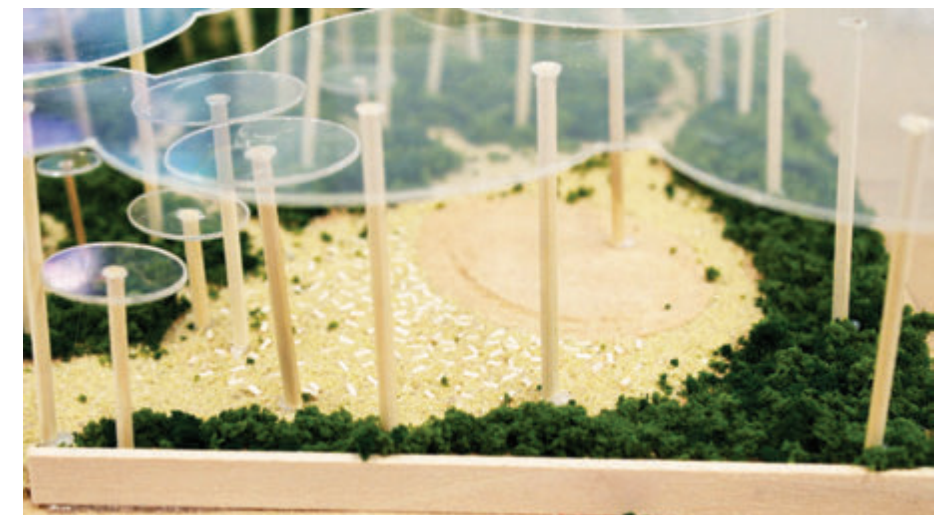
# Material Study & Spatial Moments



Memorial arches seen through canopy



Entrance arches leading participants to center



Deck area

## Modeling Techniques

- Cnc topography
- Laser cut canopies
- Hand cut basswood sticks
- Limestone gravel set with matte medium
- Accurately placed trees and wooden path pavers



# Site Plan & Section - Experience at Ground Level

## Reference species : Pine Rockland



*Serenoa Repens*



*Zamia integrifolia*



*Tripsacum Dactyloides*



*Coccothrinax argentata*



*Pinus elliottii var. densa*



*Nephrolepis biserrata*



Historic Zone Section



Memorial Deck



Entrance Pass



Reflection Pavilion

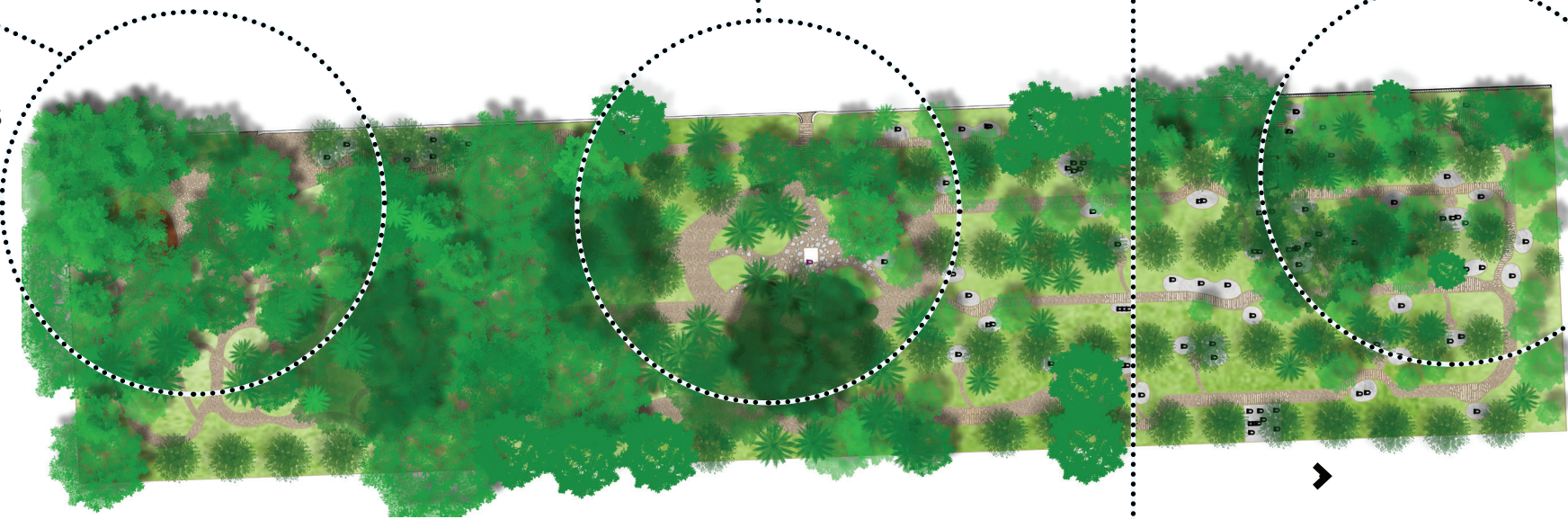
## Hardscape palette: Local Materials



Australian pine planks



Limestone rock pavers



Light brown limestone gravel



Light gray limestone gravel



# Funding Strategy & Immersive Vignettes

## Total Arch Donation Revenue

Founder's Arches: 18 x \$3,000 = \$54,000.00

Pioneers Arches: 32 x \$1,500 = \$48,000.00

**Total: \$102,000.00**

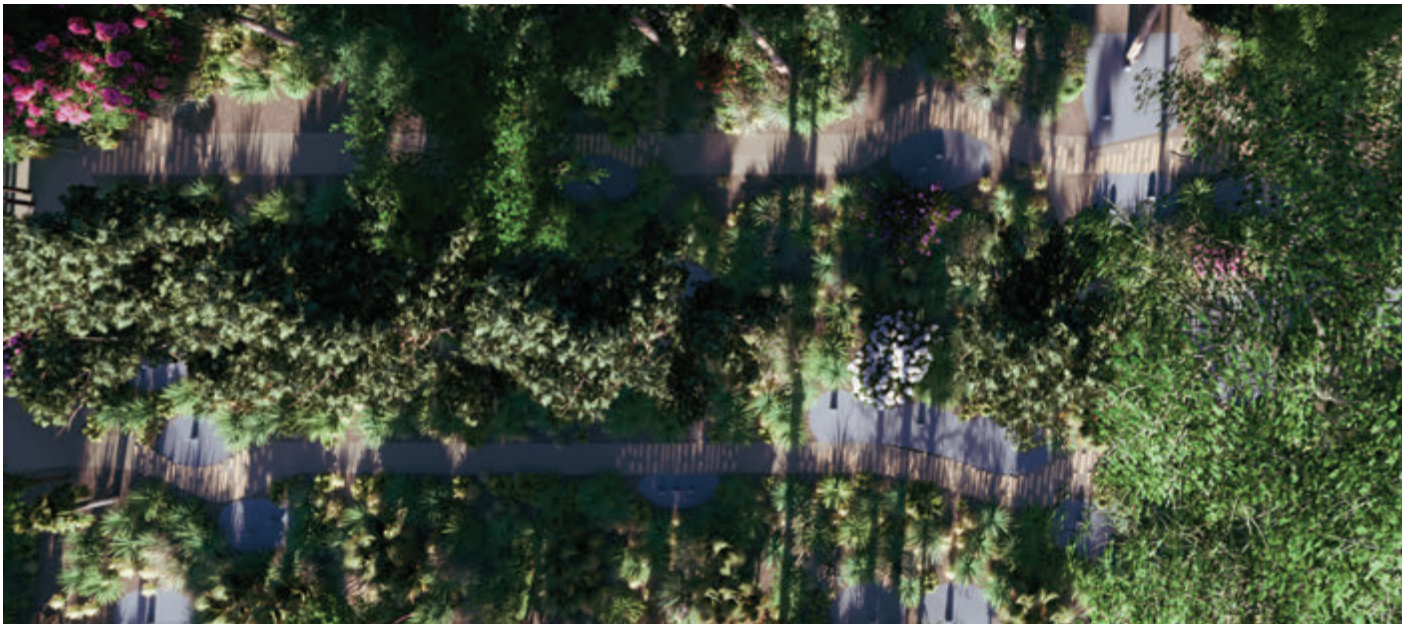
Sponsored arches fund first 10 years of maintenance.



Entrance Detail Section



Island trails in the afternoon



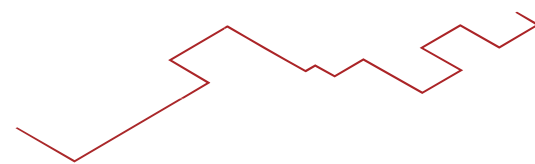
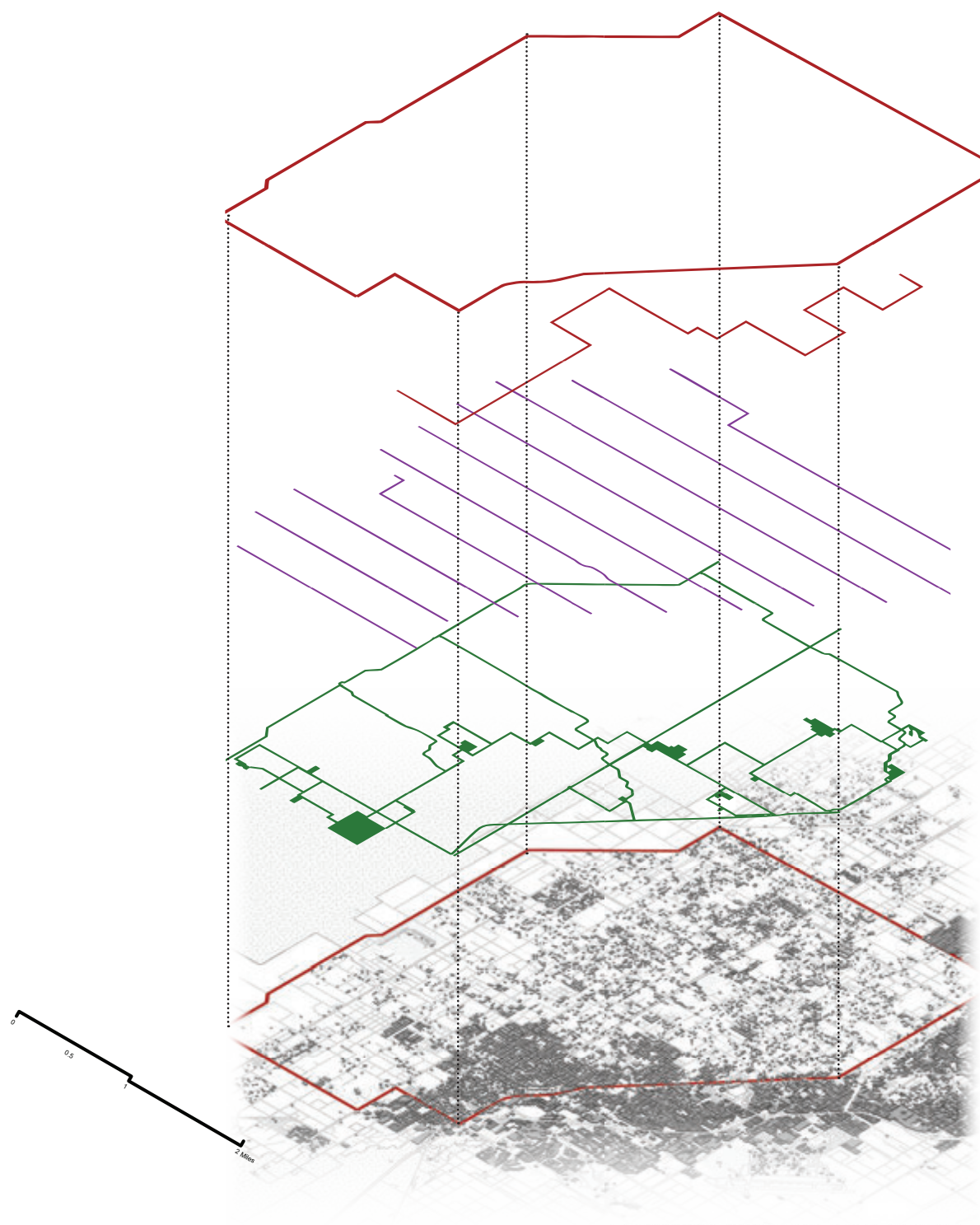
Northern historic cemetery aerial

*Phase-able native restoration demonstrates buildability, skills directly transferable to watershed-resilience work.*



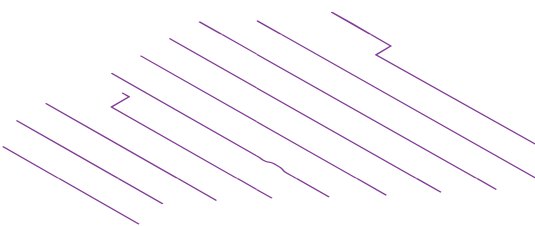
# Redland Productive Landscape - Resilient Agri-District

This intervention addresses fragmented ecosystems, car-dependent infrastructure, and pressures across the Redland Agricultural District by integrating landscape-based strategies that leverage its agricultural heritage and natural habitats. Prioritizing connectivity, biodiversity, and community engagement, it enhances mobility, public access, and ecosystem regeneration.



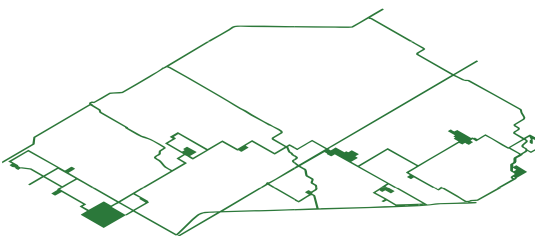
## Red Line:

- The **Red Line** is the **shuttle system** that carries passengers through the current **culturally important locations** in the redlands.
- **Primary target:** tourists.



## Purple Line:

- Shuttle Lines and road lane expansion.
- Expansion is for industrial traffic only.
- New lane carries traffic towards Krome or US-1.
- Shuttle lines carry passengers east and west.
- Primary targets, local residents, commuting workers, and local businesses.

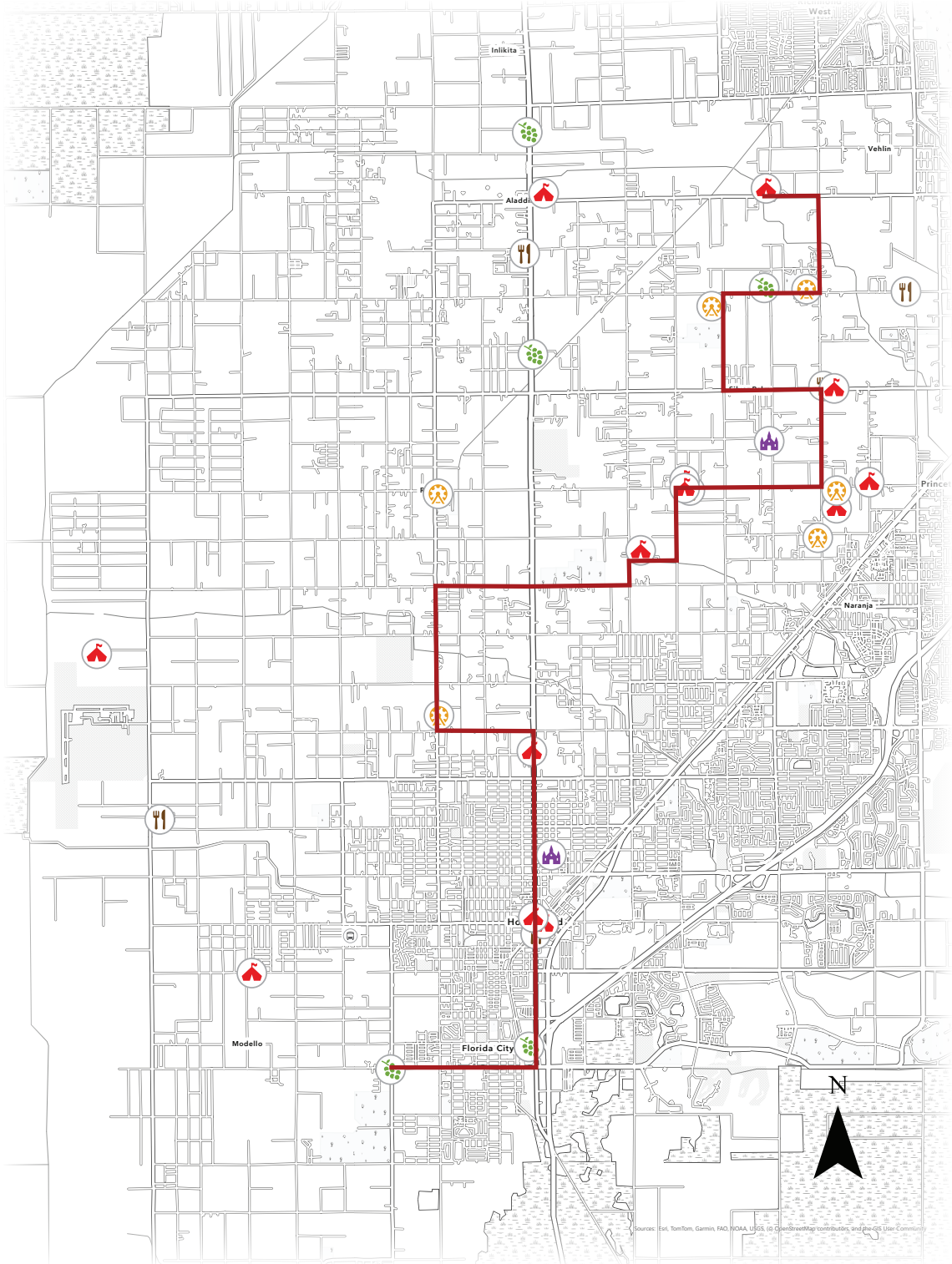


## Green Line:

- Pedestrian and Nature movement network
- Incorporates existing trails and create new ones.
- Leads users through nature preserves and cultural hot-spots.
- Brings nature to participants.



# Red Line - A shuttle for cultural exploration



**Places of Worship on Route:**

- St. John’s Episcopal Church



**Eating and Refreshments on Route:**

- Redland Ranch & Nursery Café
- Knaus Berry Farm
- Chefs on the Run
- Yardie Spice



**Themed Locations on Route:**

- Monkey Jungle
- Patch of Heaven Sanctuary
- The Secret Gardens Miami
- Historic Walton House



**Farmer’s Markets and Roadside Stands on Route:**

- Redland Community Farm and Market
- Florida City State Farmers Market
- Robert Is Here Fruit Stand



**Event and Gathering Locations on Route:**

- Longan’s Place
- Estrella Estate
- Blue Lagoon Farm Miami
- Redland Middle & South Dade High School
- The Old Grove
- Chateau Artisan
- Heritage Market
- Losner Park
- Historic Redland Hotel & Town Hall

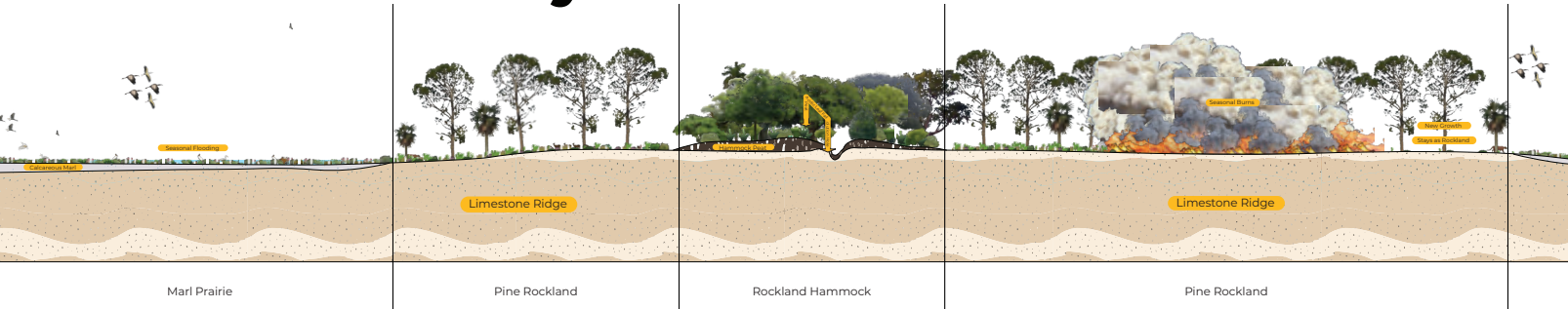
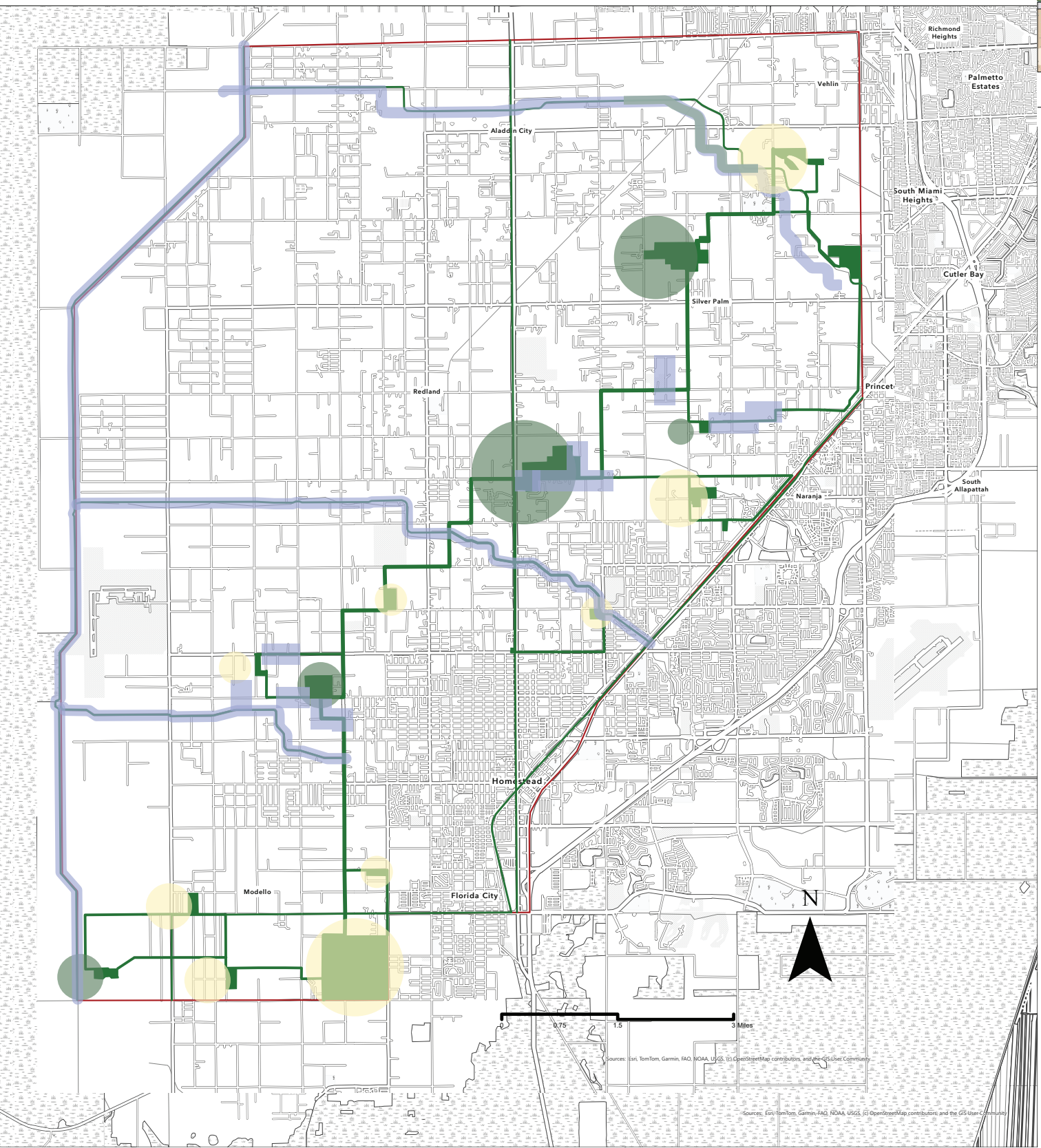


**Important Connections:**

- Homestead Everglades Trolley
- Miami Bus System



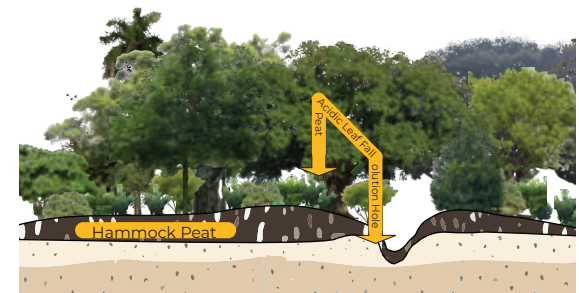
# Green Line - A green corridor uniting humans and ecosystems



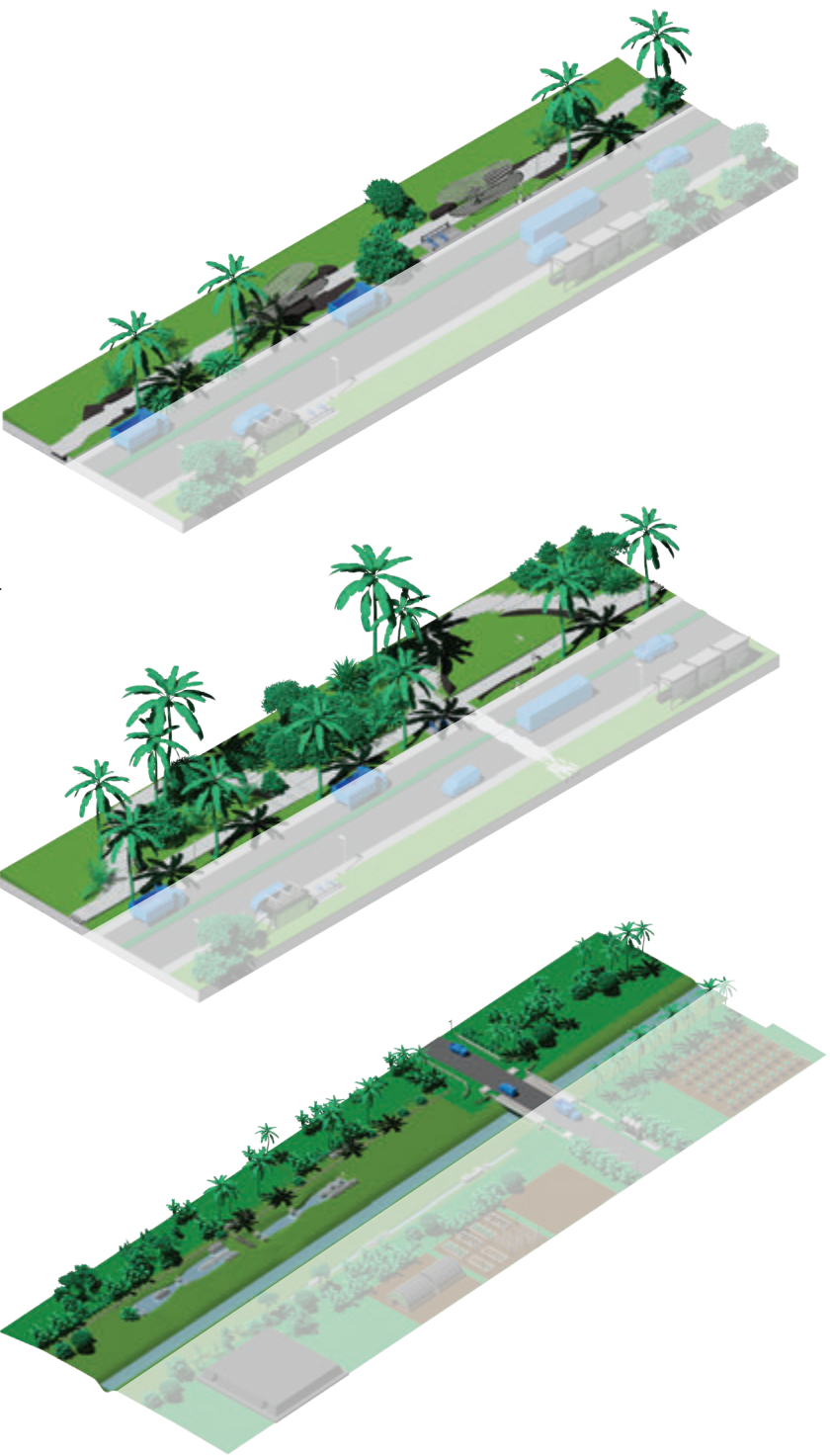
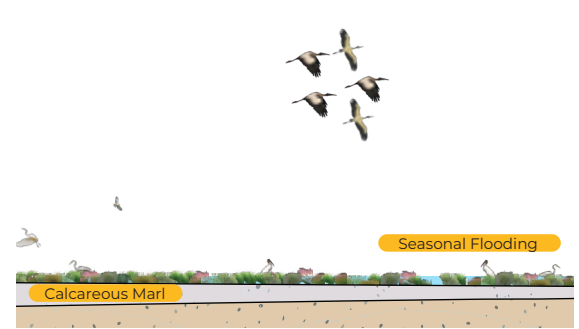
- Pineland:**
- Pine rockland habitat
  - Open Canopy trees
  - Variety of flowers
  - Composed of many grasses
  - Fire Dependent ecosystem



- Hammock:**
- Rockland Hammock habitat
  - Closed Canopy trees
  - Variety of flowers
  - Composed of various epiphytes.
  - Solution holes are slowly created.



- Wetland:**
- Marl Prairie habitat
  - Few canopy trees grow
  - Variety of flowers
  - Composed of many wet grasses
  - Water dependent ecosystem

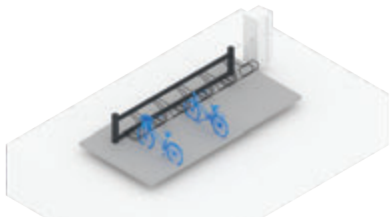




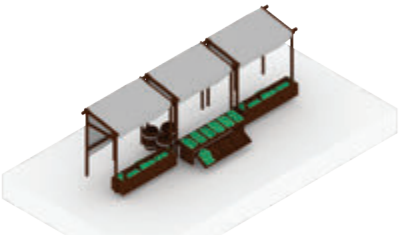
# Purple Line - Shuttle System and Industrial traffic lane expansion.



Elements  
Catalog of potential  
element in the  
intervention



Bike Rental



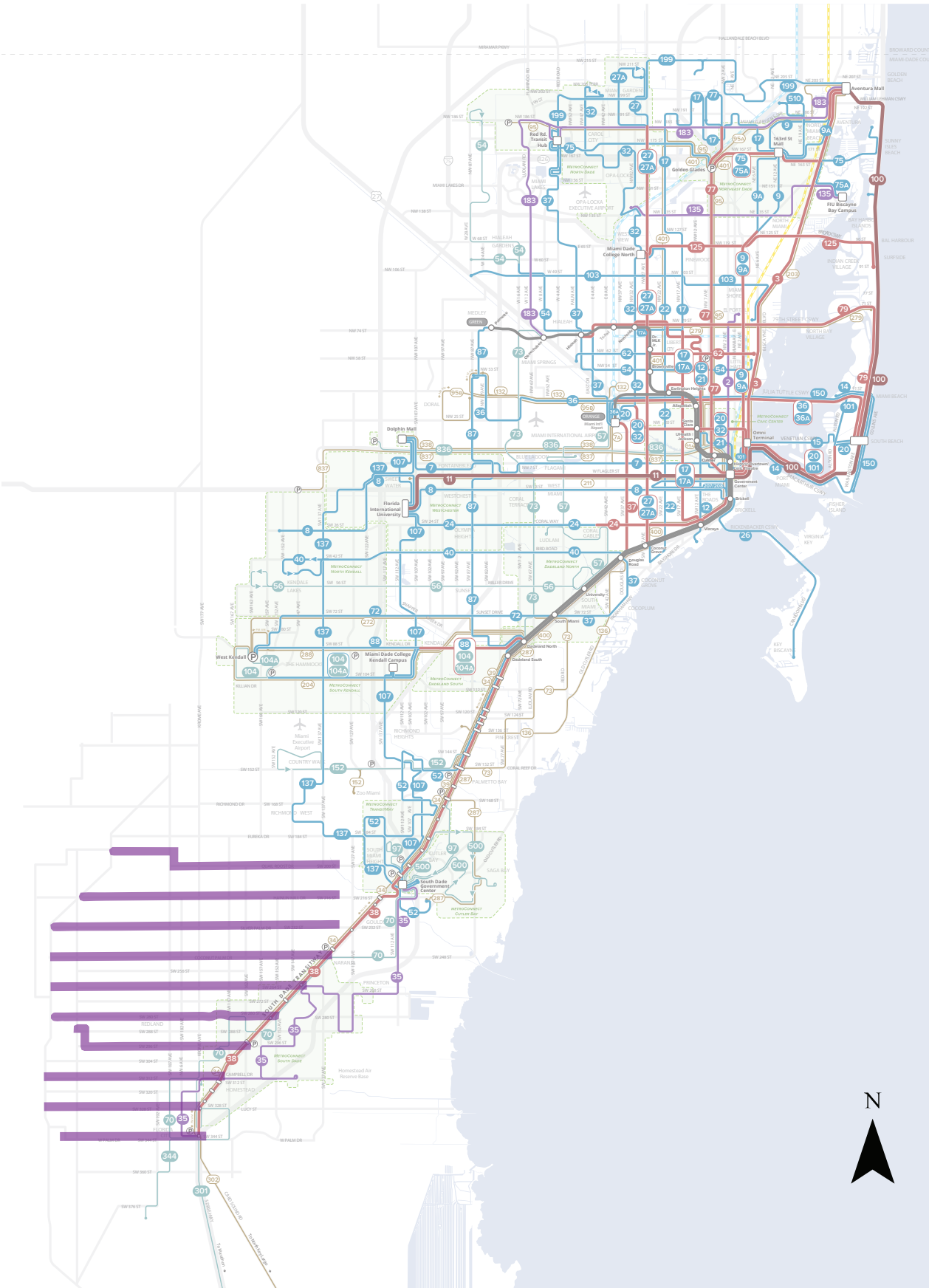
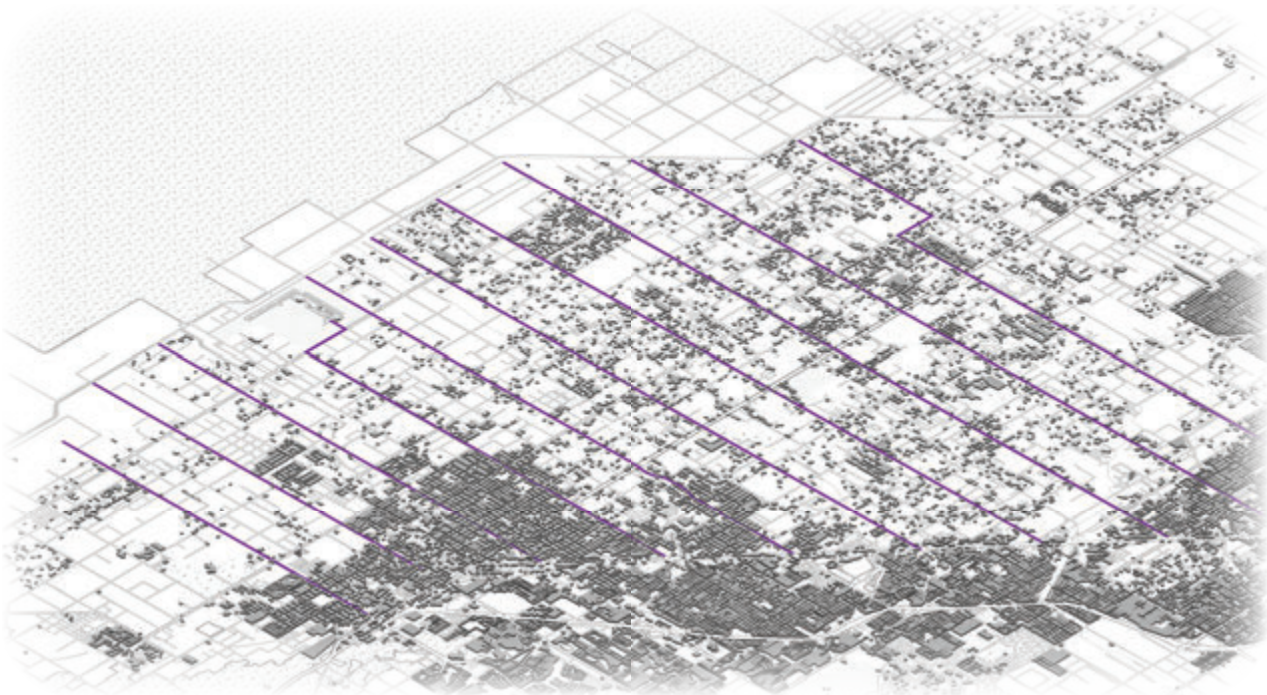
Farmer's Market



Solar Panel Bus Stop



Eco Bus Stop





Elena Rivera – The Culture-Seeking Tourist

**Age:** Mid-30s

**Income Level:** Upper-middle income (able to travel regionally)

**Culture:** Cosmopolitan, **culturally curious** with an appreciation for art and history

**Other Variables:** Arrives by car; likely **independent traveler** with leisure time to explore new environments



**Elena** is a **mid-30s visitor** from outside the region who **arrives by car** and parks at a shuttle stop along **US 1**. Once in the **Redlands**, she embarks on a tour via the **red-line shuttle**, immersing herself in a mix of **nature, cultural expressions** and the district's **rich agricultural history**. Her engagement validates the project's goal of creating a **vibrant, culturally connected** district that celebrates its heritage while embracing nature.

Sophie Jones – The Eco-Young Explorer

**Age:** 10 years old

**Income Level:** Family middle income

**Culture:** Growing up in an **environmentally aware household** with values around sustainability

**Other Variables:** Represents **youth education** and **early exposure** to nature; active and curious



**Sophie** is a bright and curious **10-year-old**, she represents the **next generation**. While exploring the green line corridors on foot or bike, she delights in interactive elements like **pollinator “airbnbs”** and **responsive native species**. Sophie's **direct, playful engagement** with the natural environment highlights the importance of **early environmental education**. Her **experience reinforces** the project's commitment to **sustainable design** and **community-based learning** by integrating nature into everyday exploration.

Antonio Delgado – The Local Farm Owner

**Age:** Early 20s

**Income Level:** Lower to moderate (student/young professional)

**Culture:** Urban, tech-savvy, and **progressive**, valuing **sustainability** and **efficient transit**

**Other Variables:** Relies on **public transit**; balancing **education and work**; adaptive and forward-thinking



**Sophie** is a bright and curious **10-year-old**, she represents the **next generation**. While exploring the green line corridors on foot or bike, she delights in interactive elements like **pollinator “airbnbs”** and **responsive native species**. Sophie's **direct, playful engagement** with the natural environment highlights the importance of **early environmental education**. Her **experience reinforces** the project's commitment to **sustainable design** and **community-based learning** by integrating nature into everyday exploration.







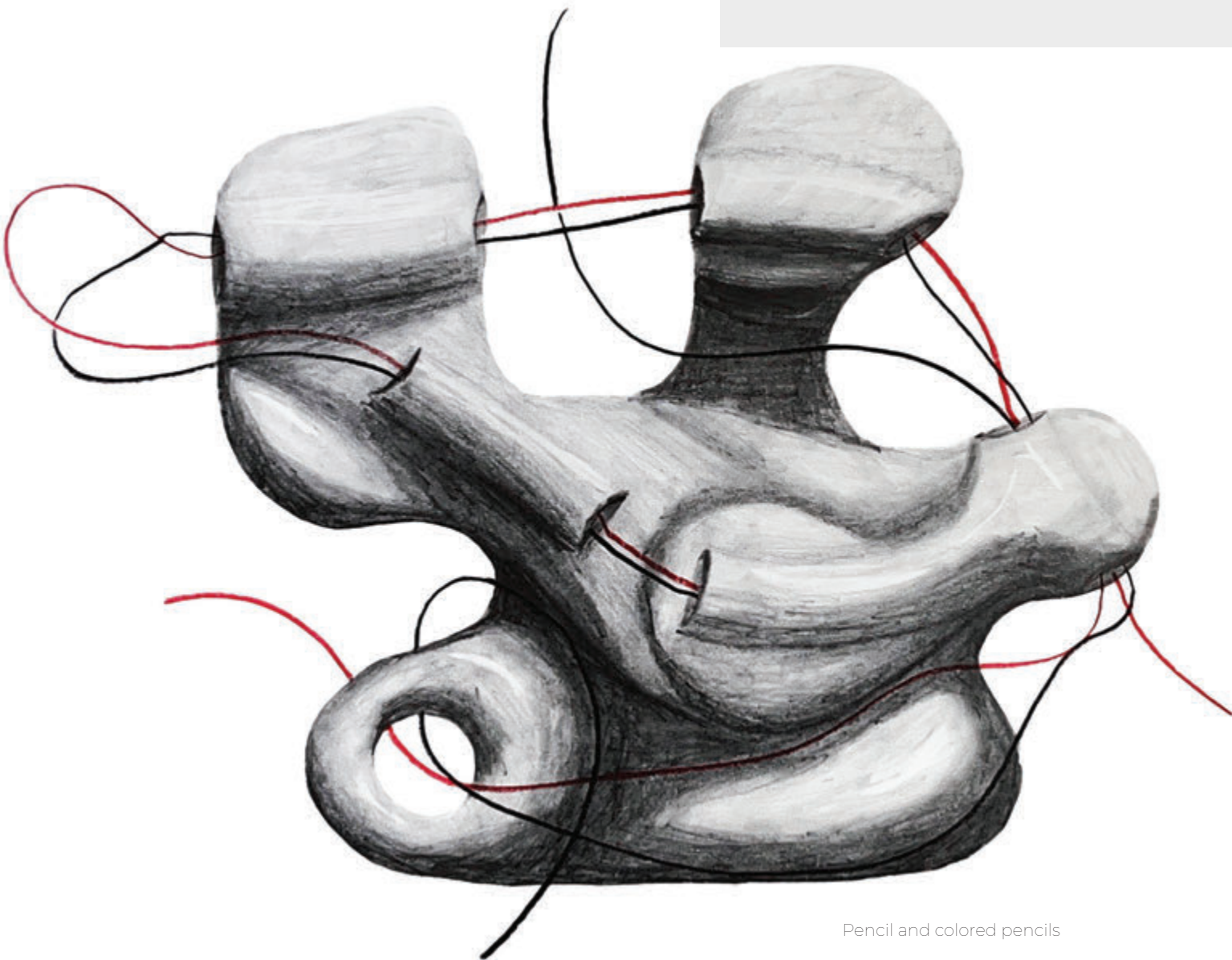


# How it's Made — Space Making Study

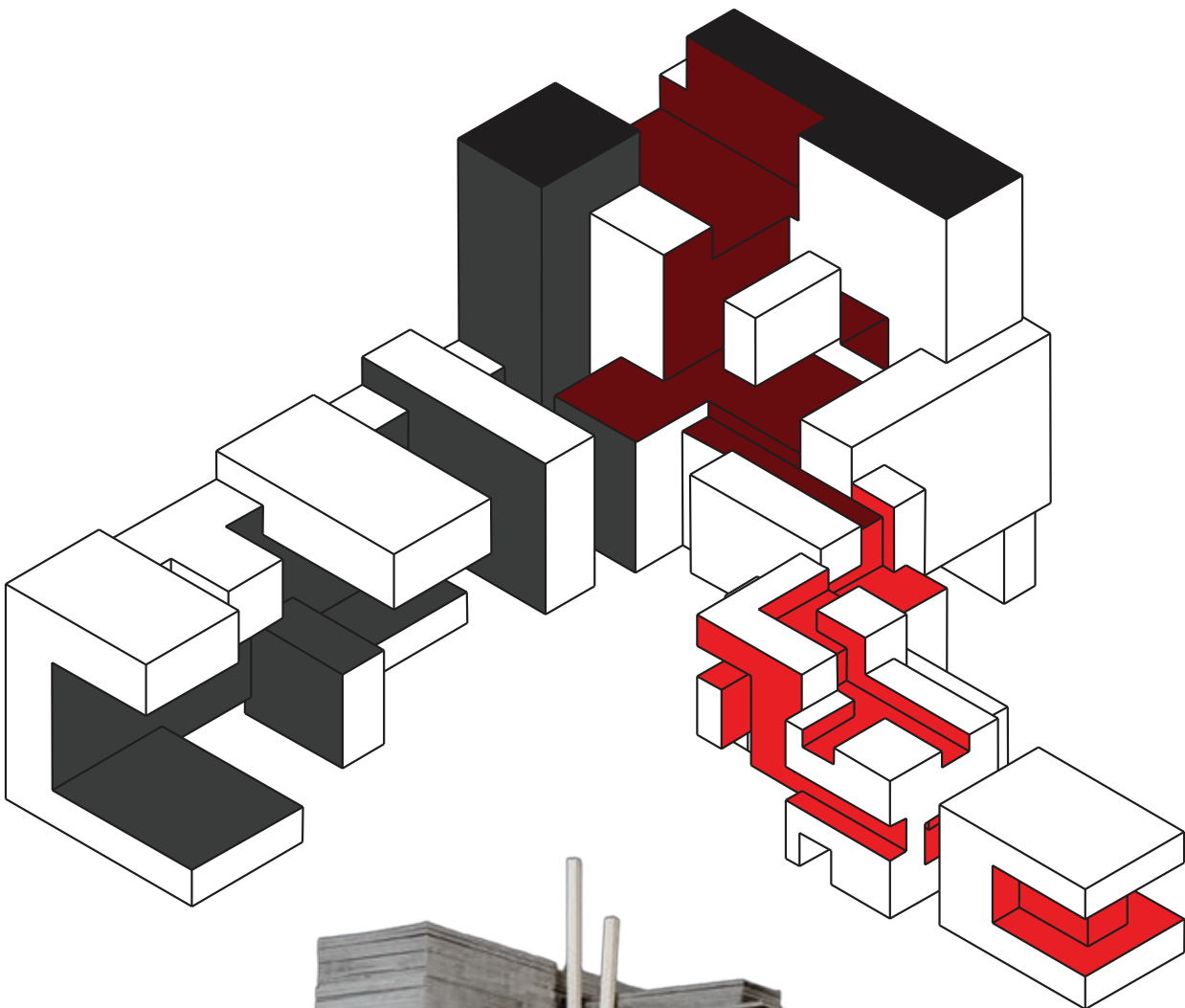
Tasked with analyzing a "How it's made" video about lipstick. Then using space, we needed to create three spaces that told the story of the creation of lipstick. This led to tectonic and stereotomic spaces mixing in the middle, becoming lipstick.

## Modeling Techniques

- Laser cut chip board
- Hand cut basswood sticks
- Rhino modeled



Pencil and colored pencils



Adobe Illustrator



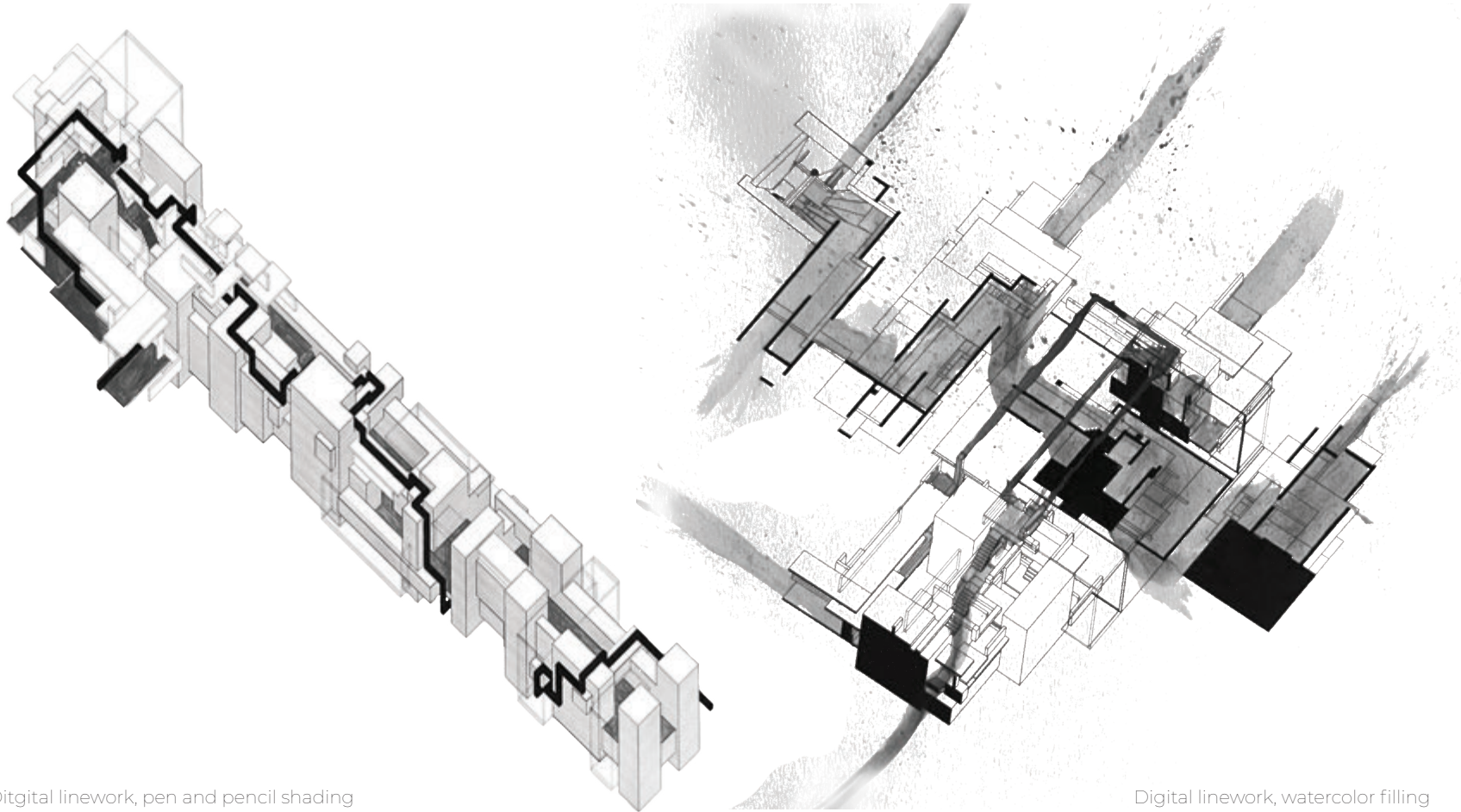


# Monsters Inc. — “The Reunion” Spatial Narrative

Tasked with creating four distinct spaces for characters in the movie Monsters Inc. This exploration of space-making developed both digital and free hand techniques.

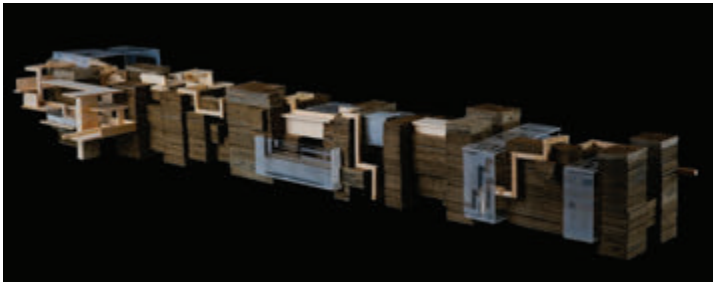
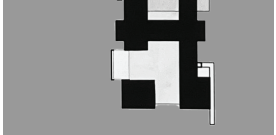
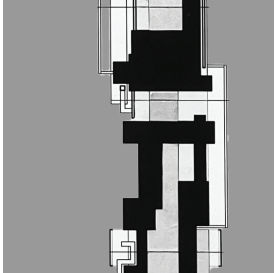
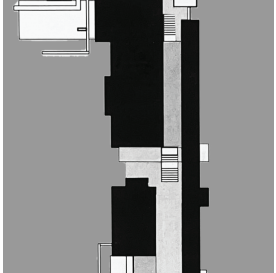
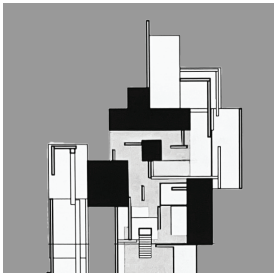
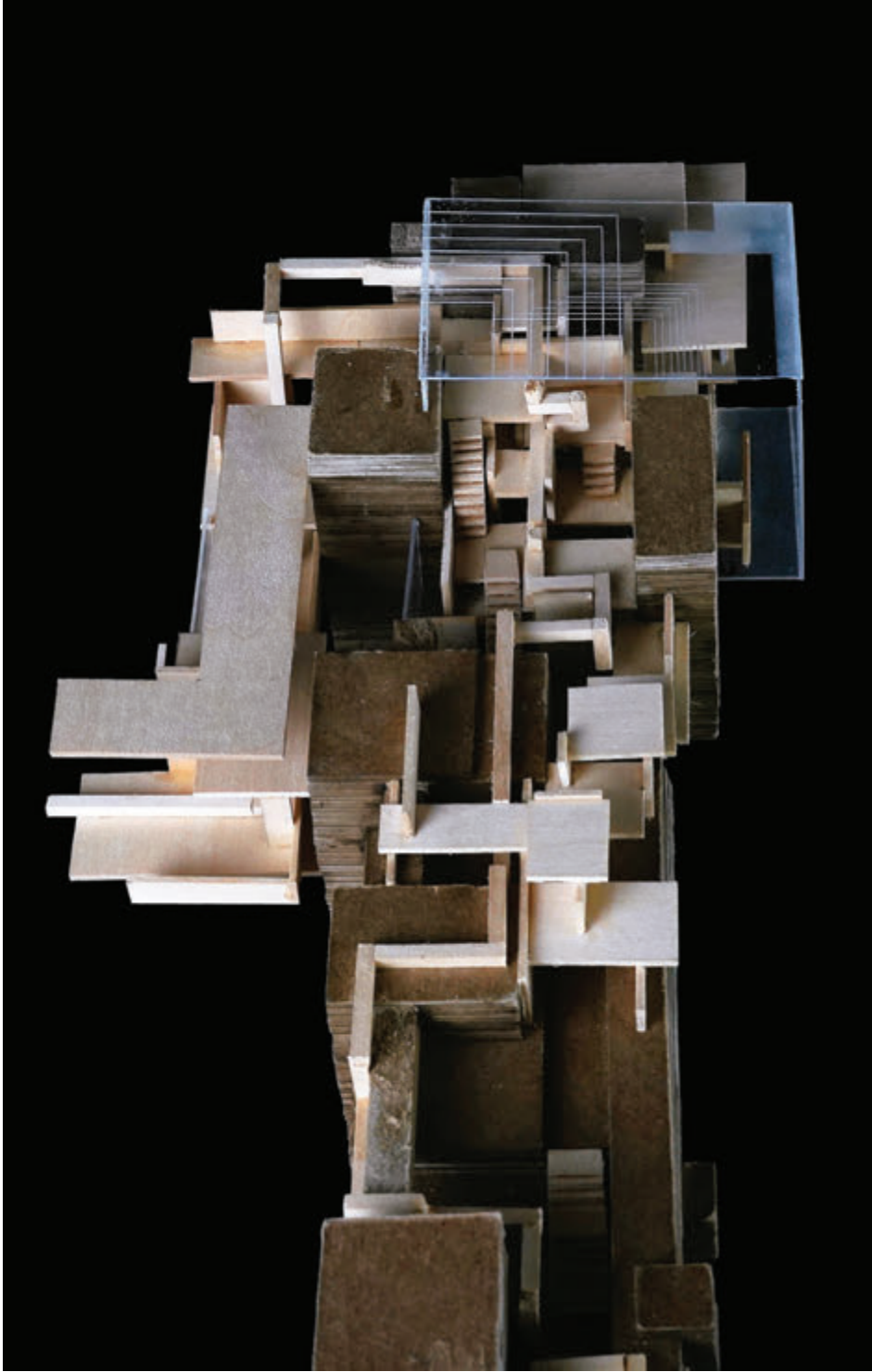
## Modeling Techniques

- Laser cut datum
- Hand cut basswood sticks
- Rhino modeled first
- Hand glued all pieces
- Scored and spray painted plexi-glass



Ditgital linework, pen and pencil shading

Digital linework, watercolor filling



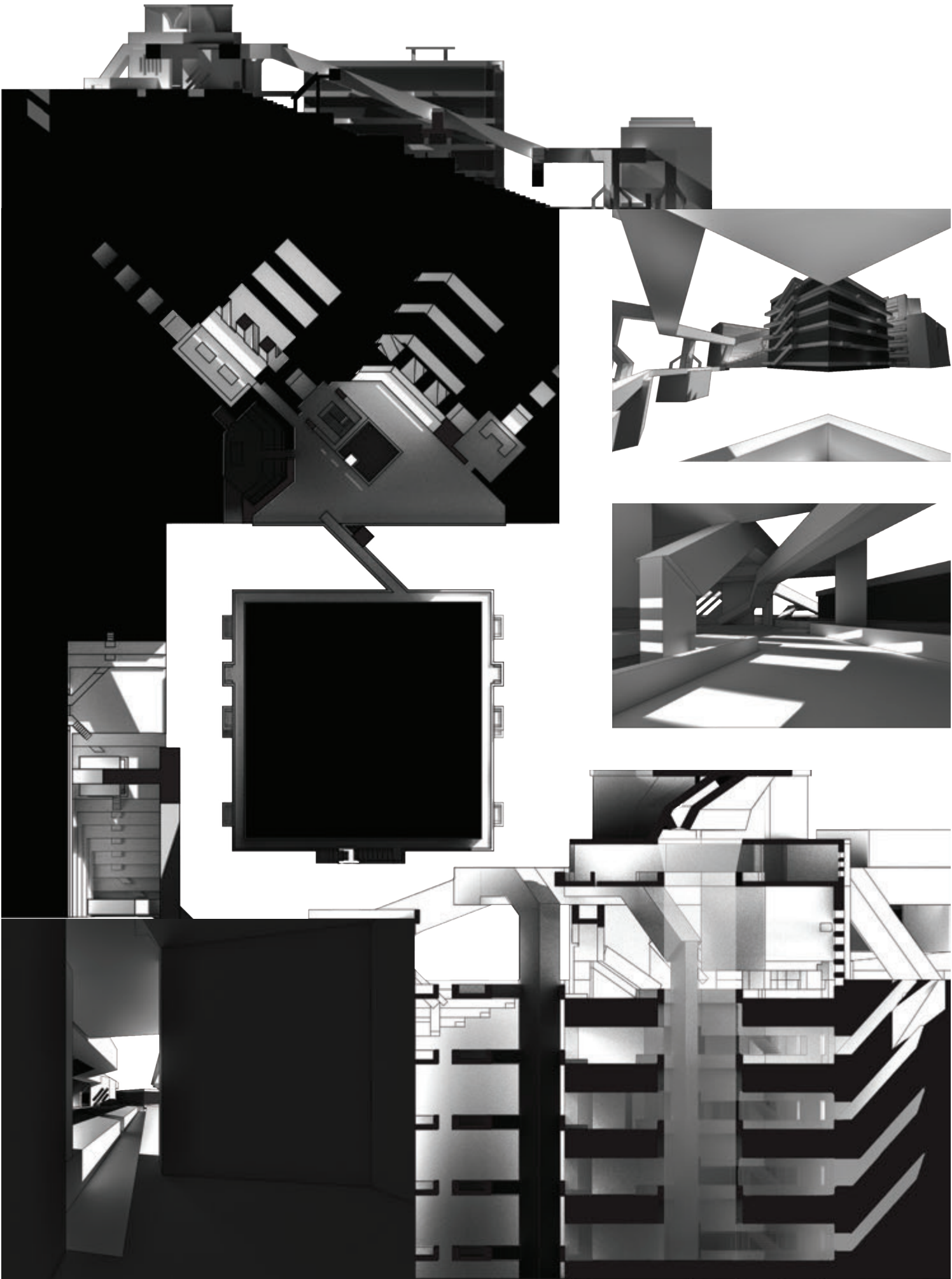
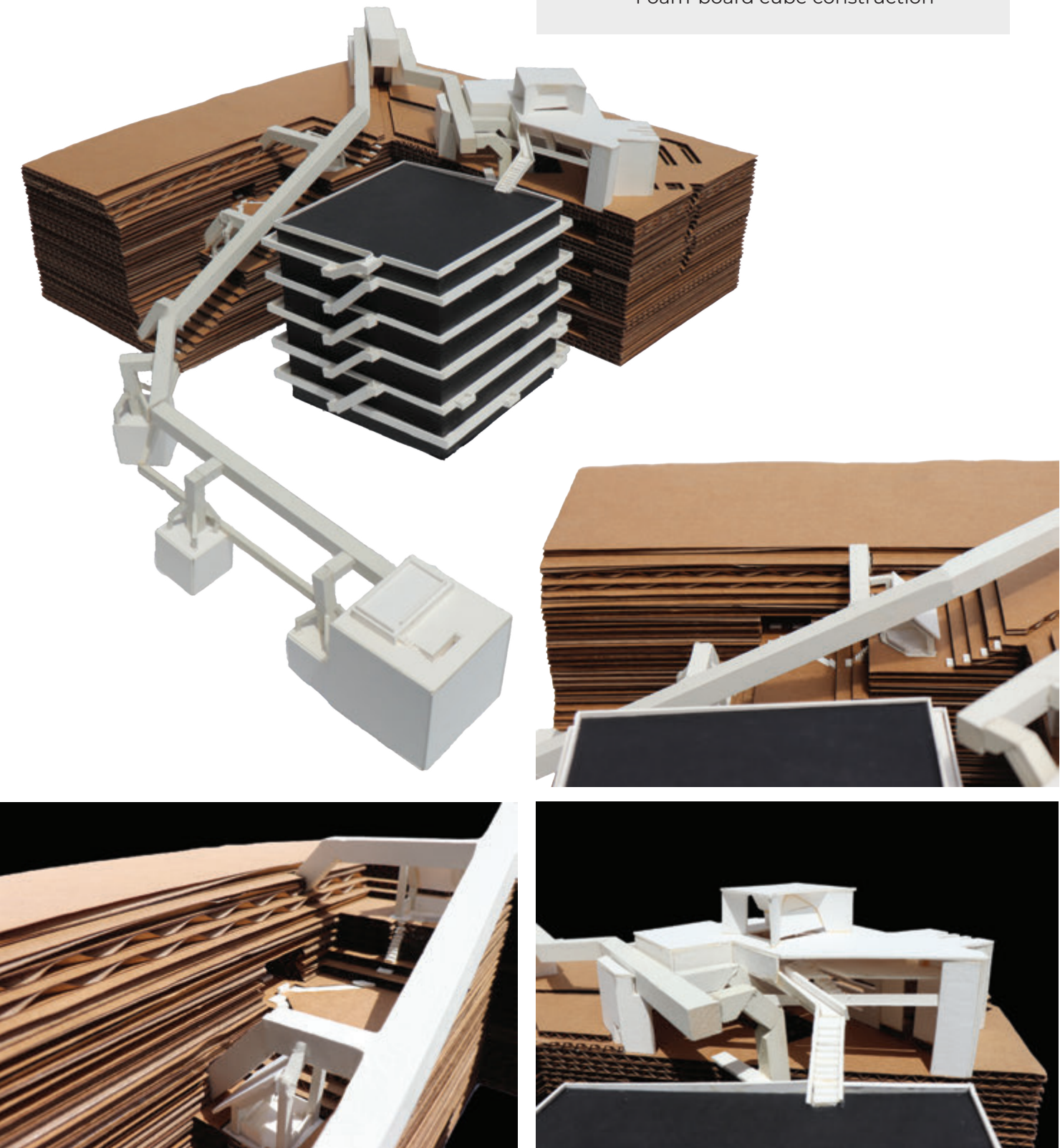


# Connection & Logic - Cube on the Cliff

The cube was a monolithic anomaly found floating on the side of a cliff. We were then tasked with creating three spaces, exploration, entrance, and celebration. This project was digitally intense and had a strong focus on light studies. Both in indoor spaces and outdoor spaces.

## Modeling Techniques

- Laser cut cliff cardboard
- Hand-cut museum board parts
- Spray painted basswood sticks
- Foam-board cube construction

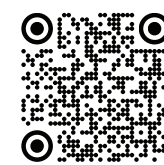




Thank you for reviewing my work. I design resilient public spaces where ecology, craft, and community meet.



Available July-Dec 2025, ≤20 h/wk



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