



# **Insight to Expressions..**

---

**Karishma Joshi**

**Master of Landscape Architecture**  
Texas A&M University (May 2020)

**Portfolio of Work 2011-2018**

Hello!!

I am an Architect with a demonstrated history of working in the Architecture, Landscape Architecture and Planning industry for one and a half year. I am a strong arts and design professional with a **Baccalaureate degree in Architecture (B.Arch.)** focused in Architectural Design from University of Pune, India and currently pursuing a **Masters in Landscape Architecture in Texas A&M University, College Station, Texas.**

For me, Architecture as a profession in itself is an opportunity to contribute to the well-being of society. By being a landscape architect I wish to make a significant contribution to the architectural fraternity and establish concepts that will be **environmentally sustainable** and **socially pragmatic**.

Contact:

 401, Anderson Street  
Apt 1L, College Station,  
TX-77840. U.S.A.

 +1 (979) 739-7182.  
 karishmajoshi@tamu.edu  
karishmajoshi4793@gmail.com  
 karishma-joshi-5a411669



# CONTENTS

## 01 The Living Wall Project

Research and Collaborative Design Build Project,  
(MLA Program Year 1&2, Semester 1,2,3)

## 02 The Vacant Resource

Design Studio Project,  
(MLA Program Year 1, Semester 2)

## 03 Eco-lite : An Eco-sensitive Human-centric Tourist District

Design Studio Project,  
(MLA Program Year 2, Semester 1)

## 01 Design of a Public Plaza

Landscape Architecture Intern | Callison RTKL, Dallas Inc.

## 02 El Arbol, New Mexico

Landscape Architecture Intern | Callison RTKL, Dallas Inc.

## 03 Neighborhood Master Planning and Design, Egypt

Landscape Architecture Intern | Callison RTKL, Dallas Inc.

## 04 Urban Design & Master Planning , Taiyuan, China

Landscape Architecture Intern | Callison RTKL, Dallas Inc.

## 05 Stream Park, Pune, India

Junior Architect | Ravi & Varsha Gavandi Landscape Architects

## 06 Rooftop Sky Lounge & Deck Landscape

Junior Architect | Ravi & Varsha Gavandi Landscape Architects

## 01 Travel Diary

## 02 Caricatures and Doodle



# Academic Work



# Professional Work



# Sketchlogue

## Design Philosophy

In the past five years of learning architecture, the extensive design studios and research oriented activities have helped me develop a **sensitive, pragmatic** and **functional approach towards design**. I have always believed that **buildings share a relationship with their surroundings as well as the nature around**. Built masses do not stand in isolation but should be in tune with the **surrounding natural context**. Hence in every design proposal I have been keen towards establishing a strong relationship between the built form and the landscape, evolving a holistic landscape and building design.

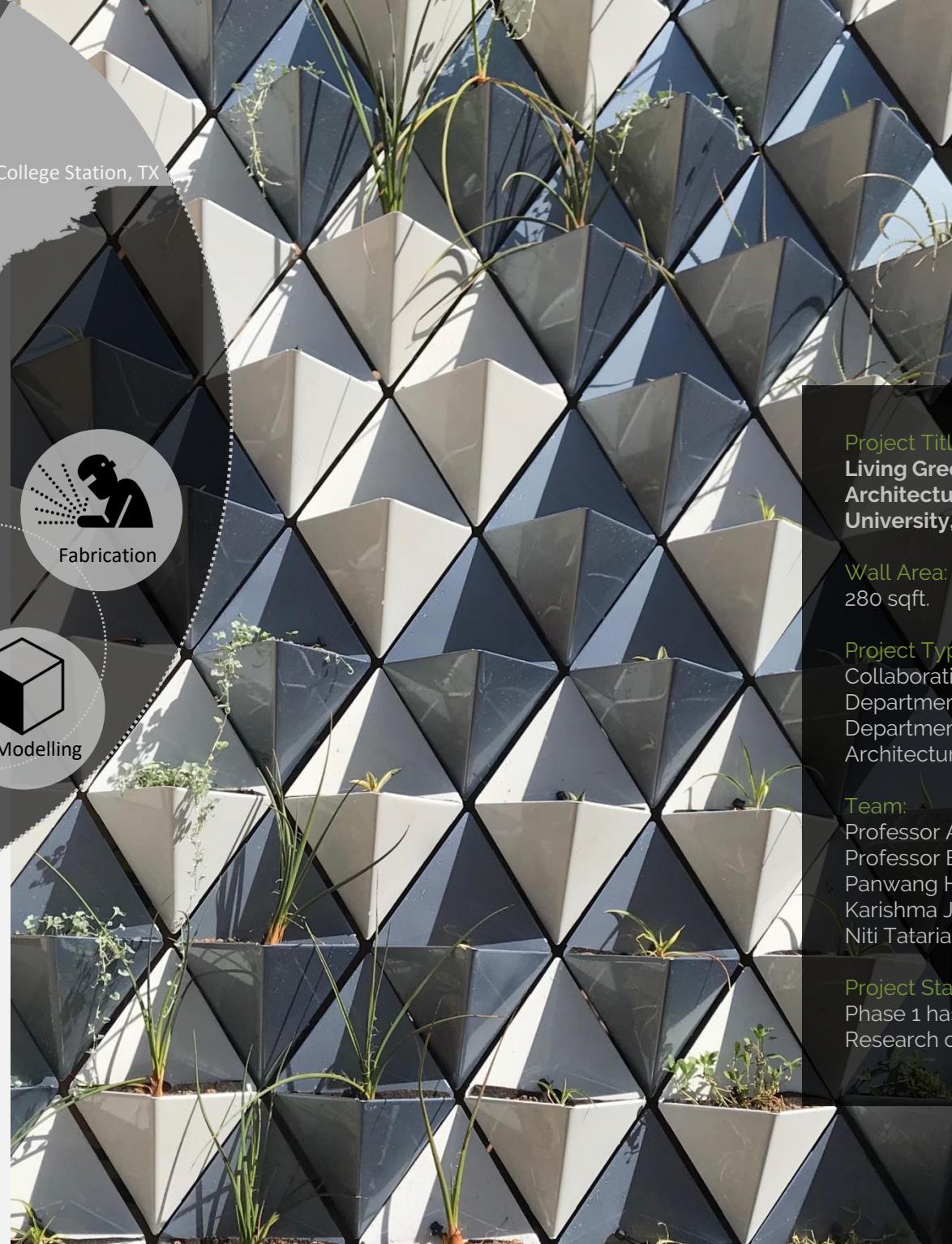
# Academic Work



# 01

## The Living Wall Project

Design Build Project | Texas A&M University, College Station, TX



**Project Title:**  
Living Green Wall at Langford  
Architecture Centre, Texas A&M  
University, College Station, TX.

**Wall Area:**  
280 sqft.

**Project Type:**  
Collaboration between the  
Department of Architecture and The  
Department of Landscape  
Architecture and Urban Planning.

**Team:**  
Professor Ahmed Ali (ARCH)  
Professor Bruce Dvorak (LAUP)  
Panwang Huo (M.Arch)  
Karishma Joshi (MLA II)  
Niti Tataria (MLA II)

**Project Status:**  
Phase 1 has been executed.  
Research ongoing

# Academic Work

# 01

# The Living Wall Project

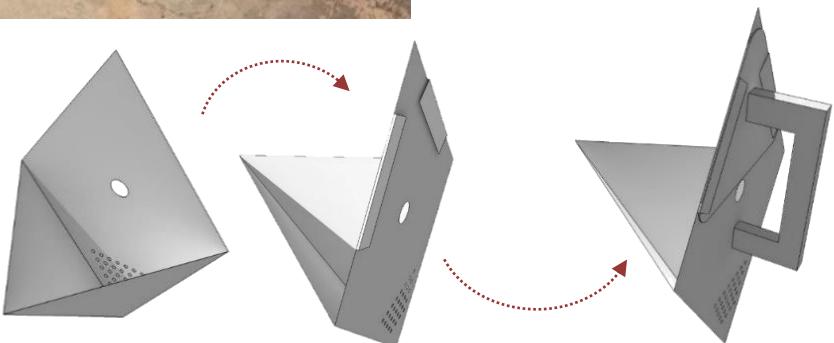
Design Build Project | Texas A&M University, College Station, TX

Stages of Execution



## OFFAL- The Material

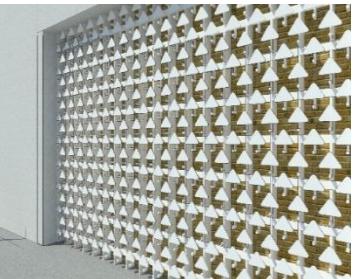
General Motors' steel offal is a surplus raw material produced by its stamping operations. These are consistently sized, high-quality pieces of steel that are produced when windows and other spaces are stamped out of body panels on the assembly lines. Because of their consistent size, shape, and quality, these steel pieces are valuable for much more than traditional scrap markets. Offal pieces are 0.5 to 3.2 mm thick, have various coatings, and total 1,500 metric tons per year.



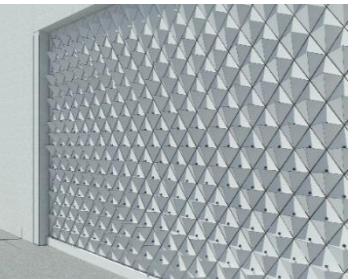
Design of individual module



Conventional Grid Iron System



Plates welded for module reception



Modules hanging on the frame

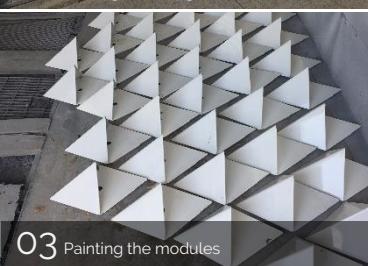
## Structural System



01 Folding the metal sheet



02 welding the triangular base to frame



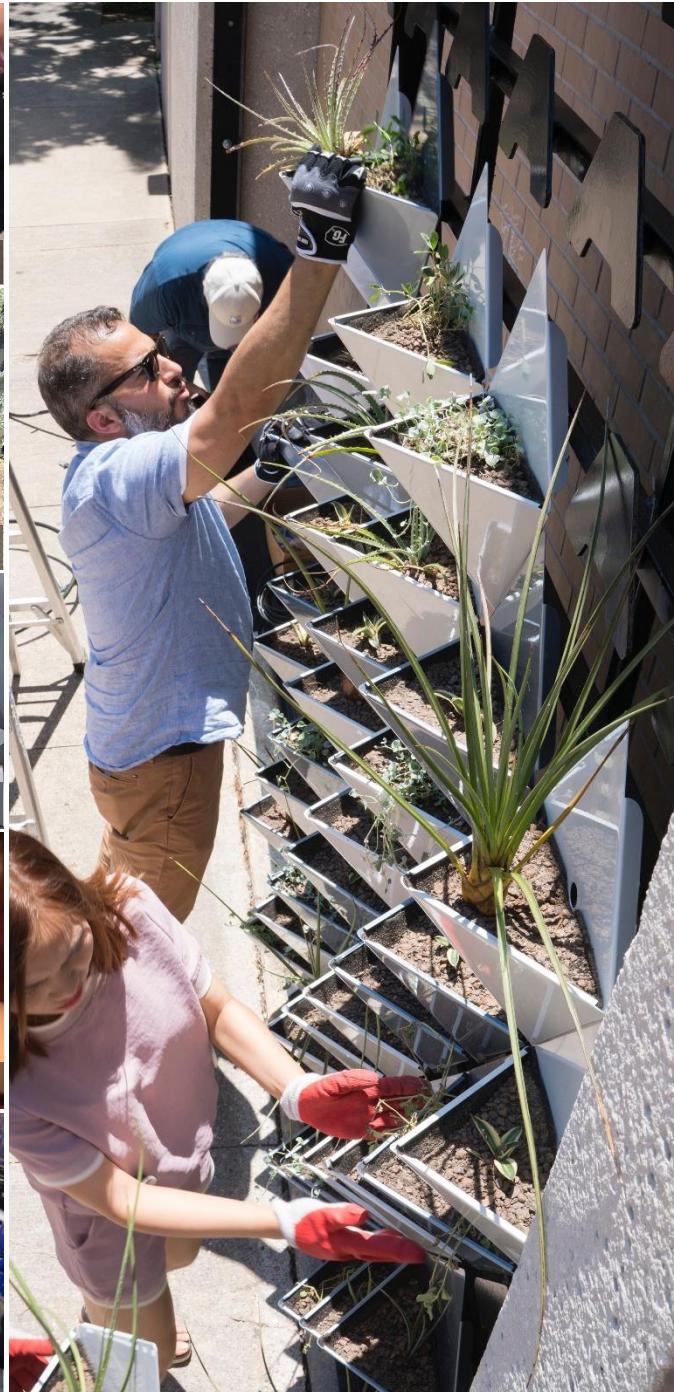
03 Painting the modules



04 Laying felt along inner face for insulation



05 Planting in engineered soil

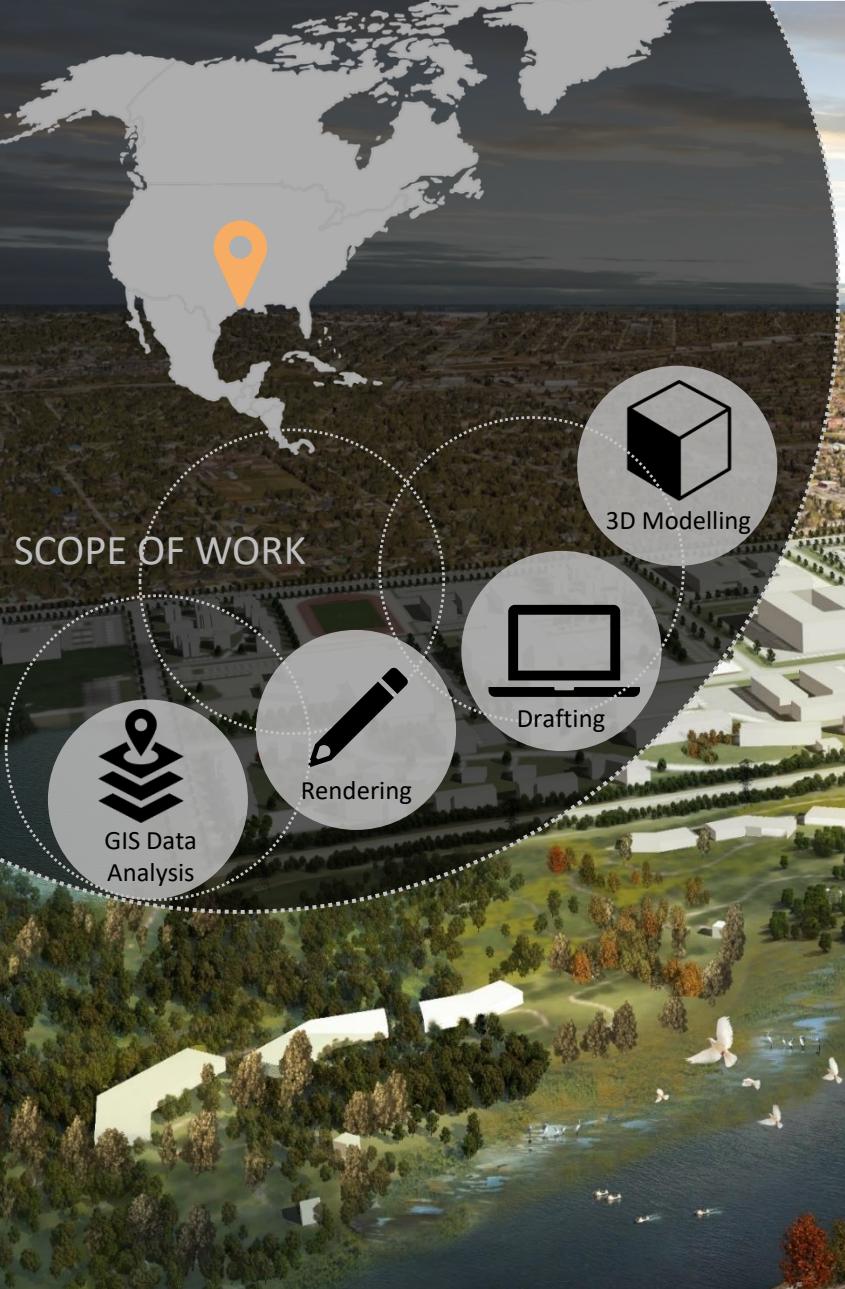


# 02

## The Vacant Resource

Sustainable Design | Sunnyside, Houston, TX

Finding use for the **underutilized vacant lands**

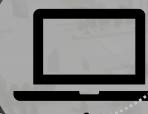


**SCOPE OF WORK**

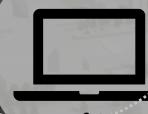
3D Modelling



Drafting



Rendering



GIS Data Analysis



**TOOLBOX**



Ai



Ps



Id



Acad



Su

Academic Work

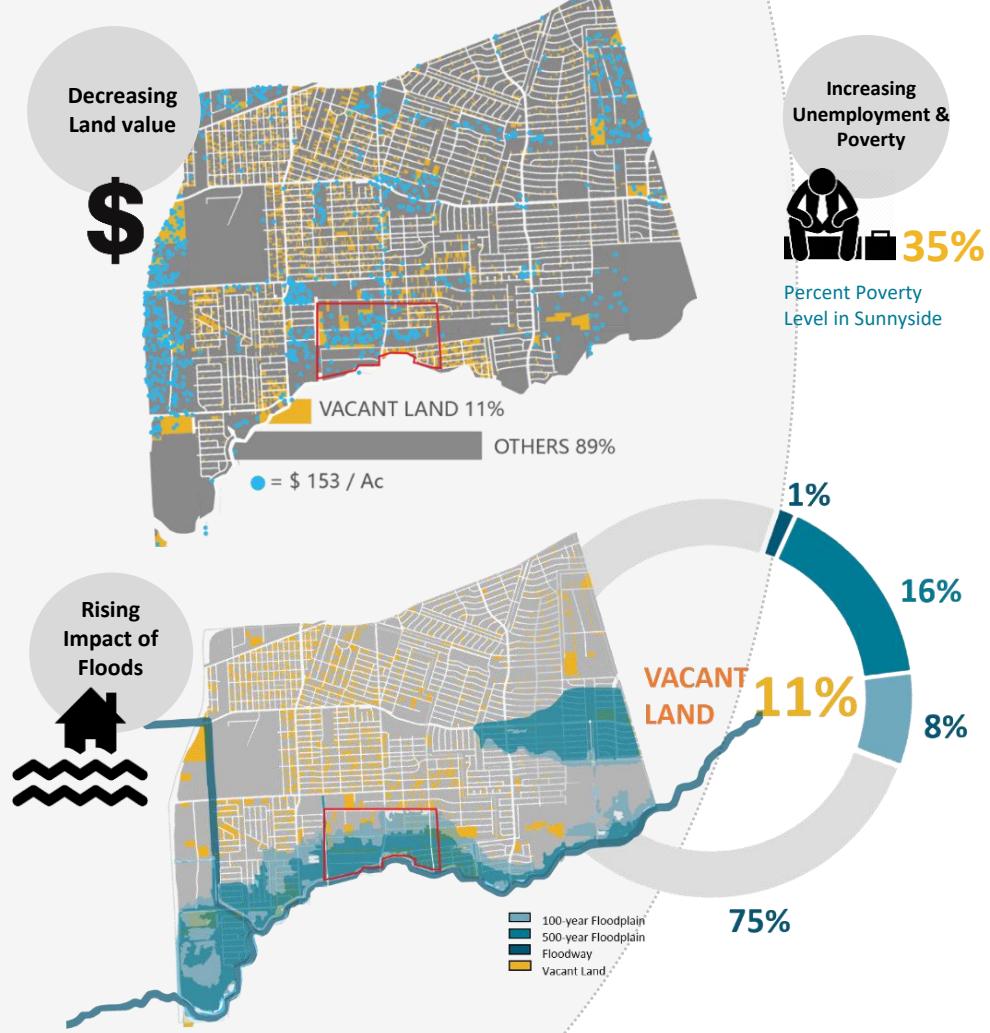
Design Studio Project | Spring 2018

## 02 The Vacant Resource

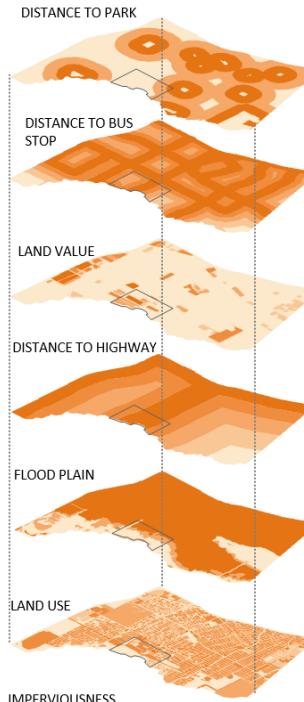
Sustainable Resilient Master Planning | Sunnyside, Houston.

Increasing **VACANT LANDS** in Sunnyside, Houston is a striking contrast to the growing urbanization.

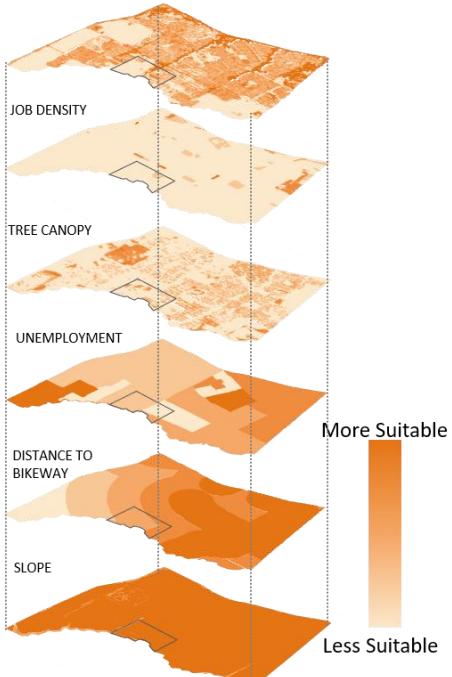
Factors Leading to Vacant Lands



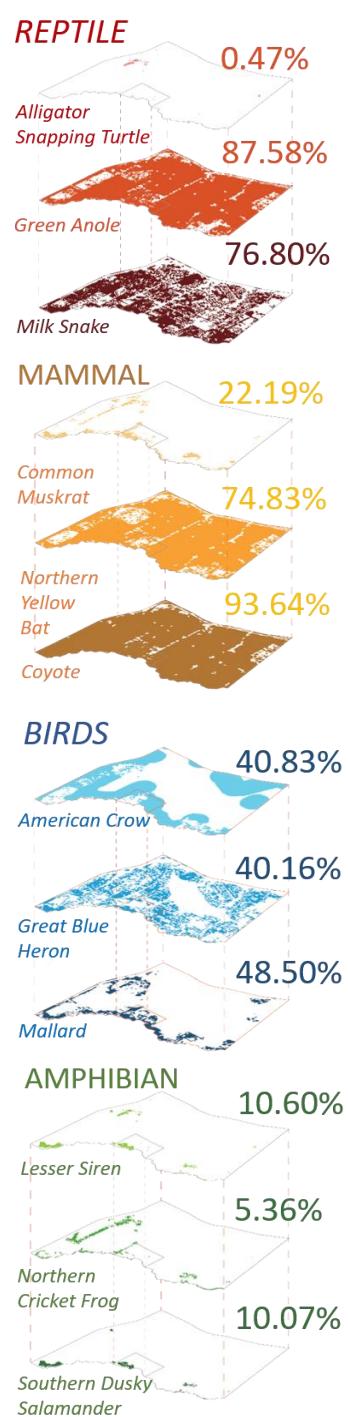
Site Suitability Analysis Based on GIS Data  
Economic Development + Ecological Conservation



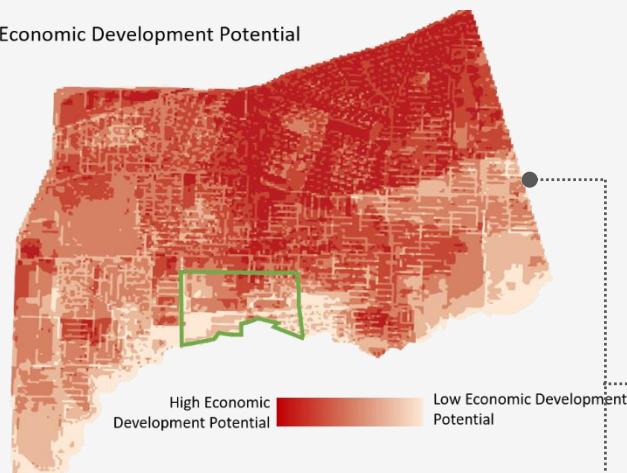
Economic Development Potential



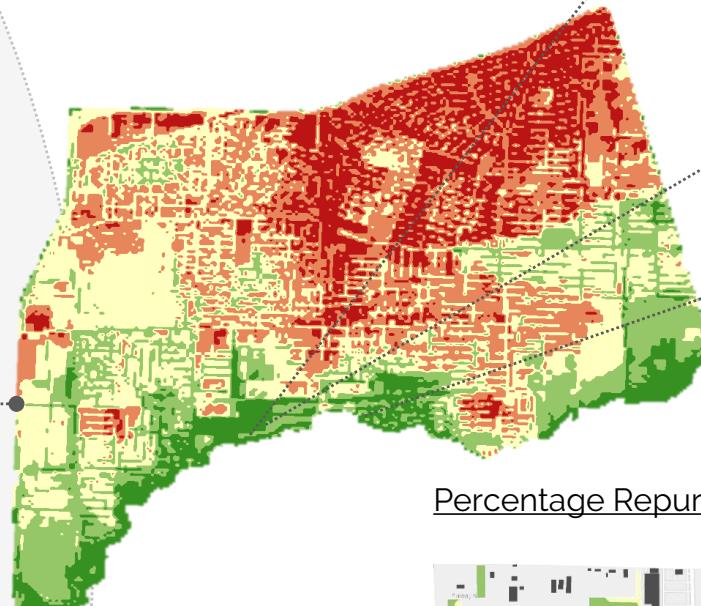
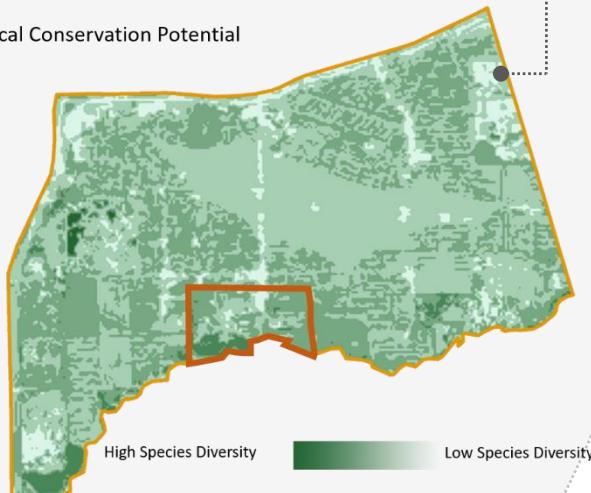
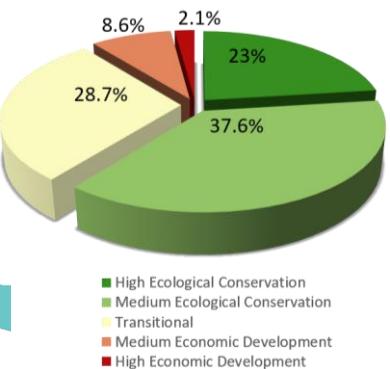
Ecological Conservation Potential



Economic Development Potential



Ecological Conservation Potential

Percentage Repurposing Potential For SiteTypes of Vacant Lands based on prior uses

Residential 18%  
Commercial 19%  
Infrastructural 15%  
Natural 48%

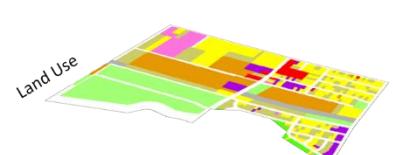
## 02

## The Vacant Resource

Sustainable Resilient Master Planning | Sunnyside, Houston.

Sections through different types of Vacant Lands

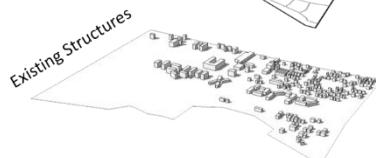
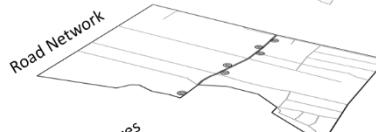
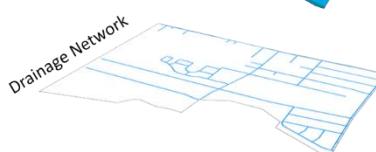
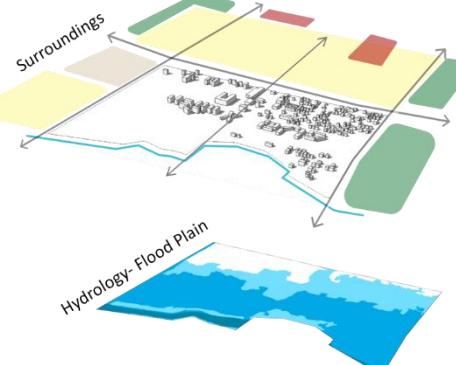
### Site Inventory



- Single Family
- Multi-Family
- Commercial
- Office
- Industrial
- Transportation
- Green space
- Undeveloped



- High intensity of built structures
- Medium intensity of built structures
- Low intensity of built structures
- Wetlands
- Forest
- Pasture/Grasslands



### Dispersed Housing

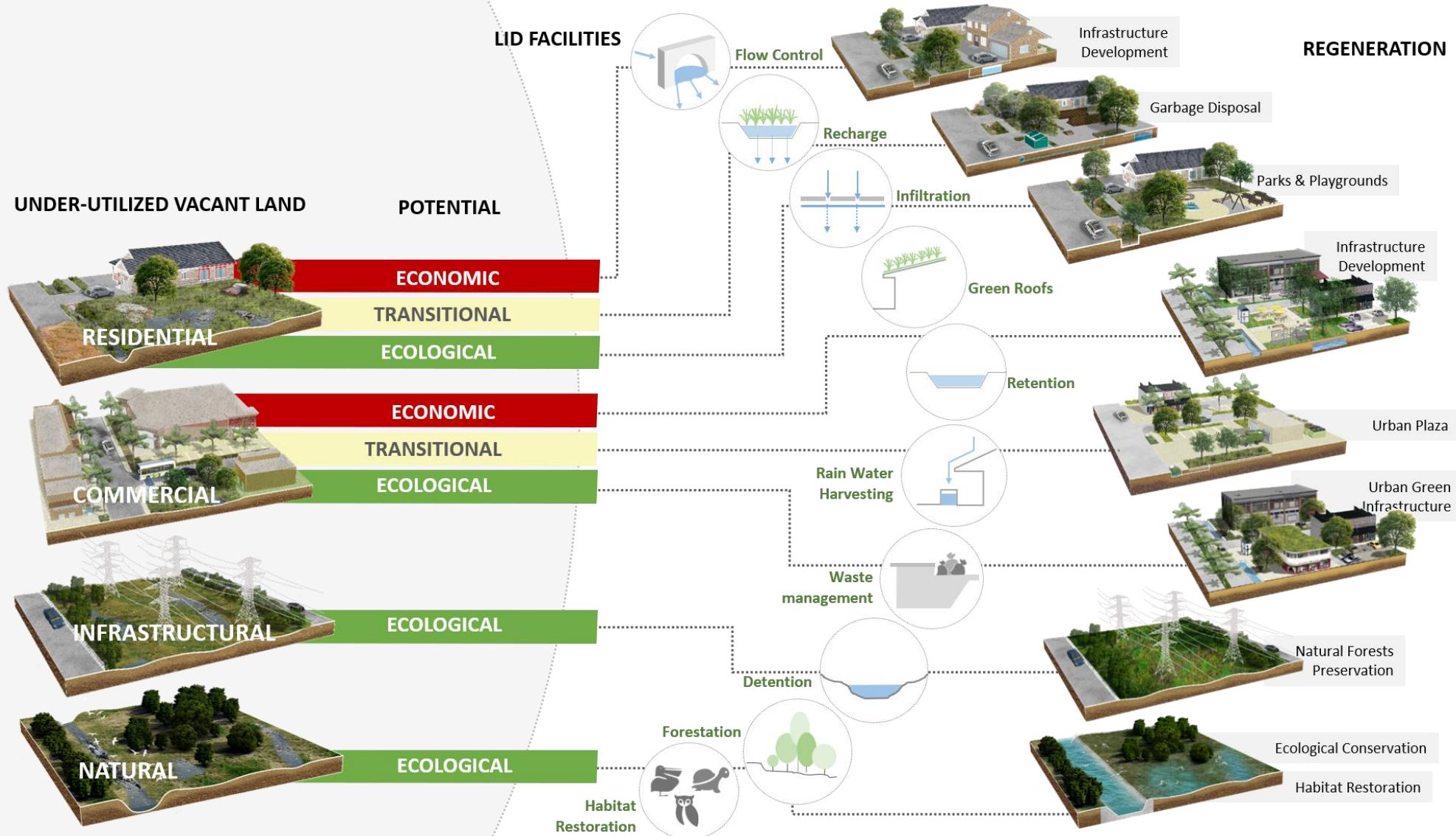


### Commercial Center



### Sparse Development



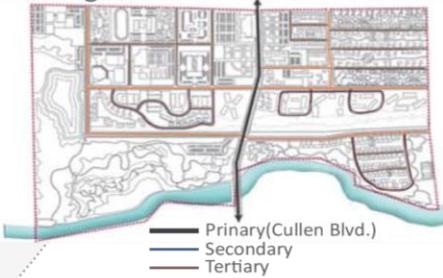




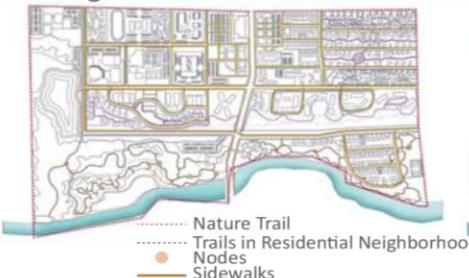
Existing vs Proposed



Strengthened Street Network



Strengthened Pedestrian Network



LID &amp; Green Network



# 02 The Vacant Resource

Sustainable Resilient Master Planning | Sunnyside, Houston.

LID Strategies



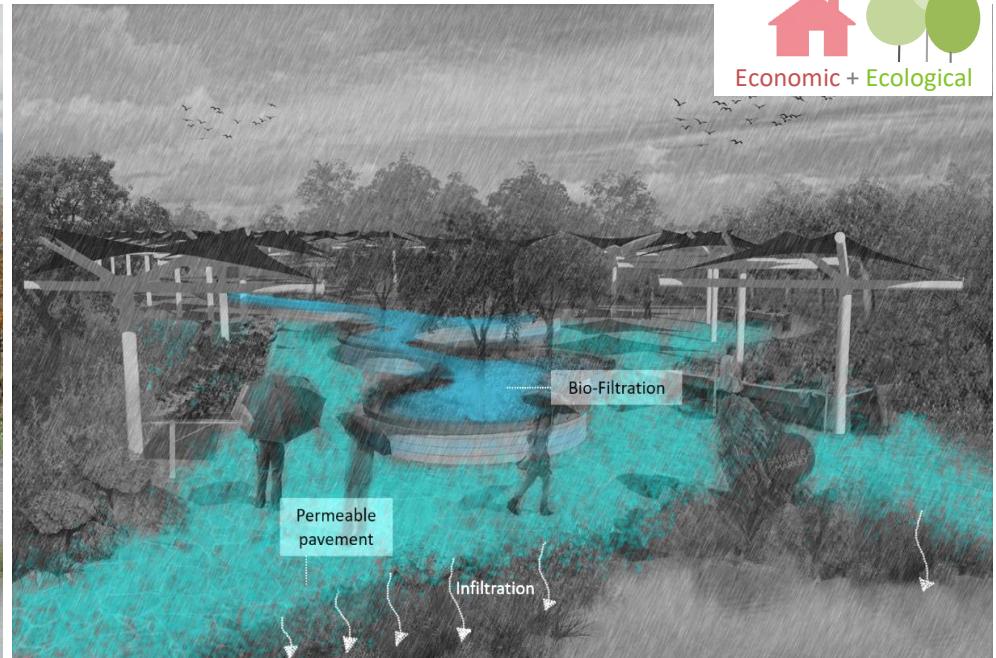
Repurposed Natural Vacant Land into Wetland in Eco Zones



Performance during Floods and Hurricanes



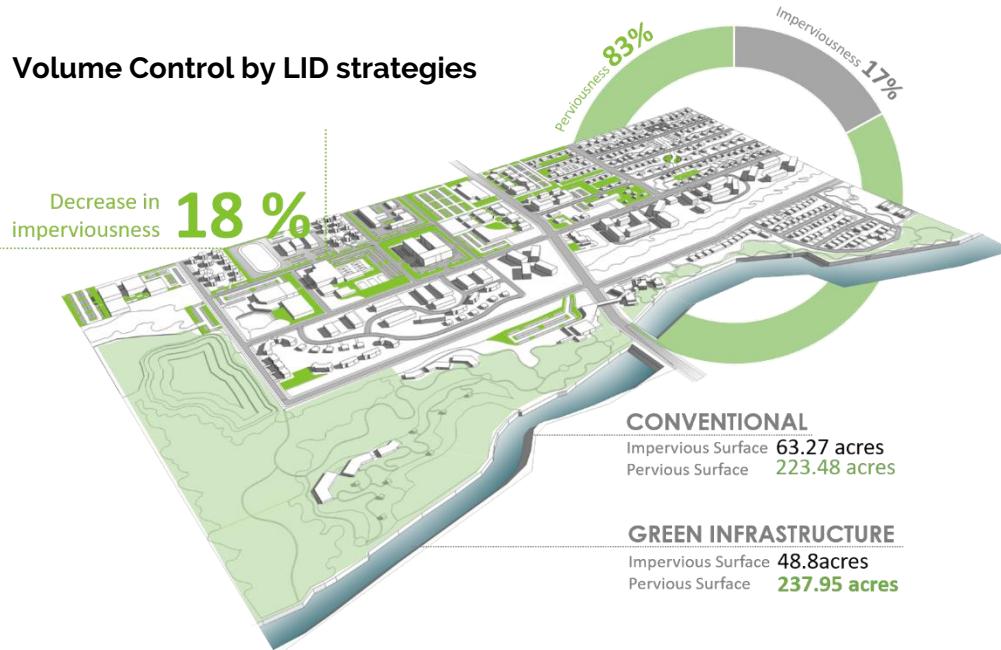
Repurposed commercial vacant land into Community Local Market



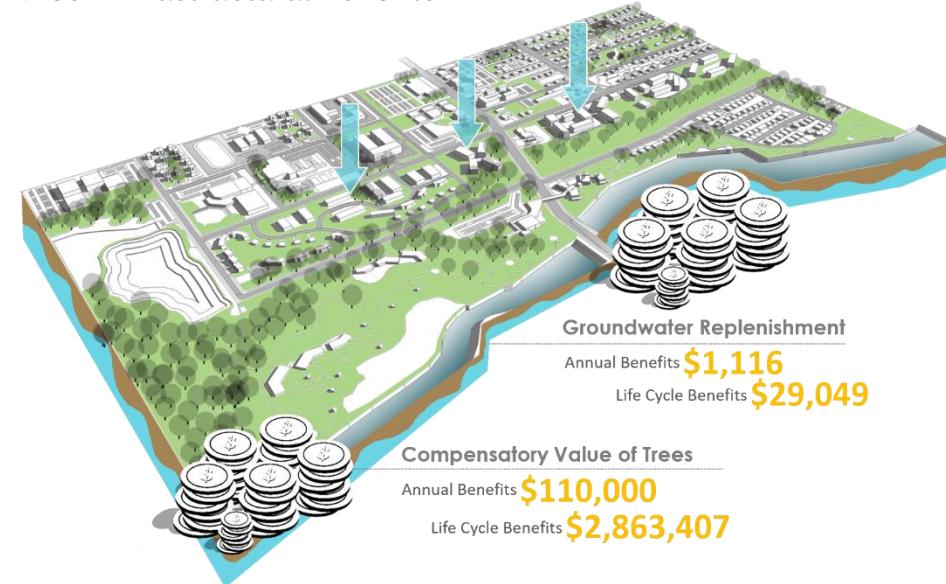
Performance during Floods and Hurricanes



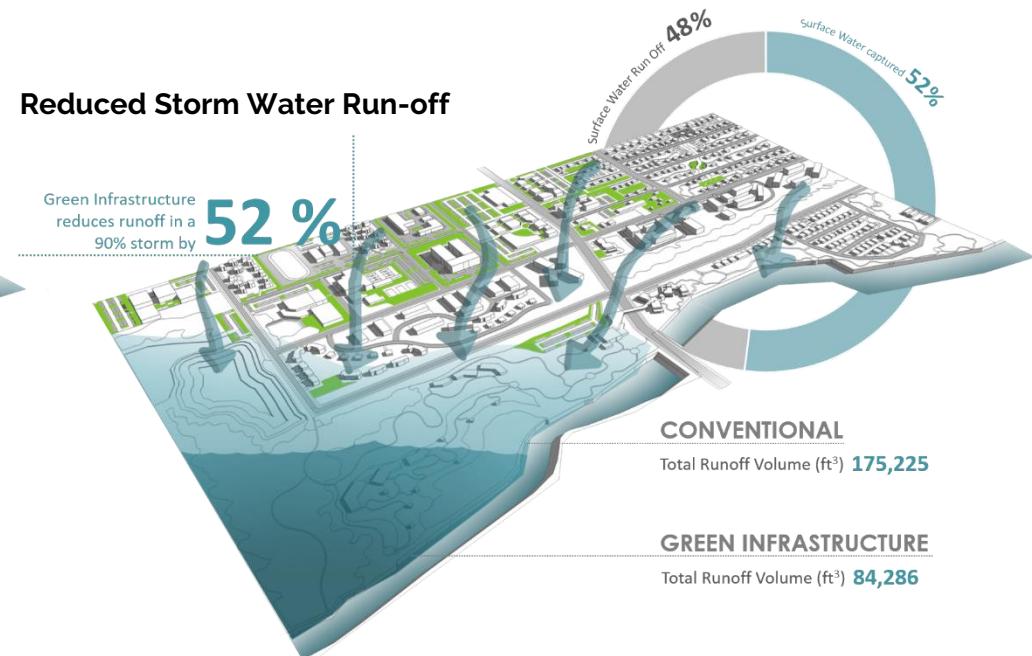
## Volume Control by LID strategies



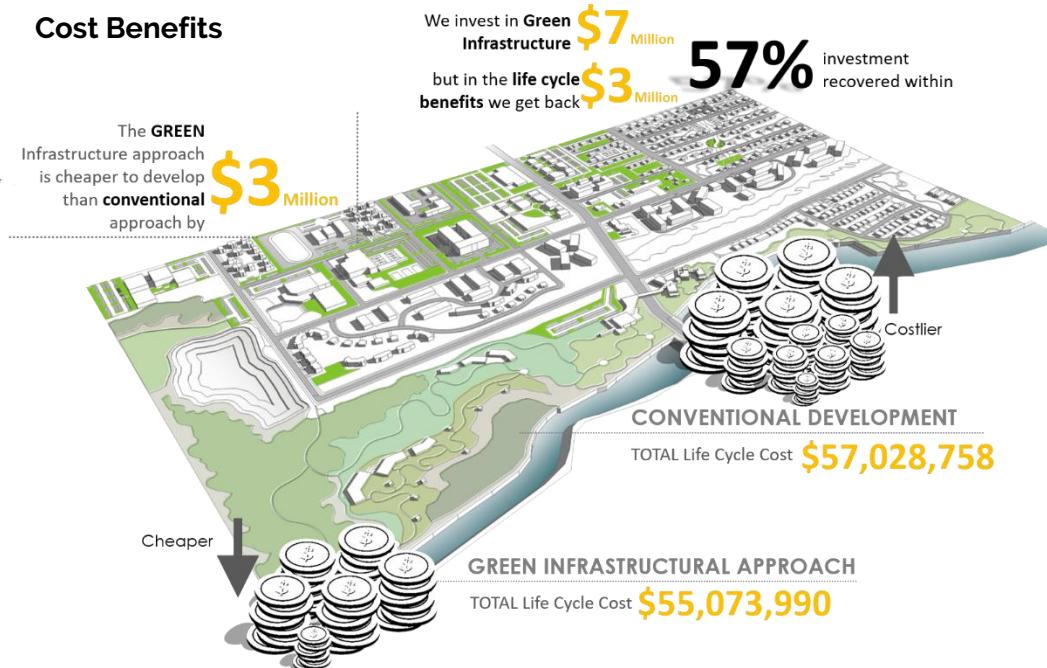
## Green Infrastructural Benefits

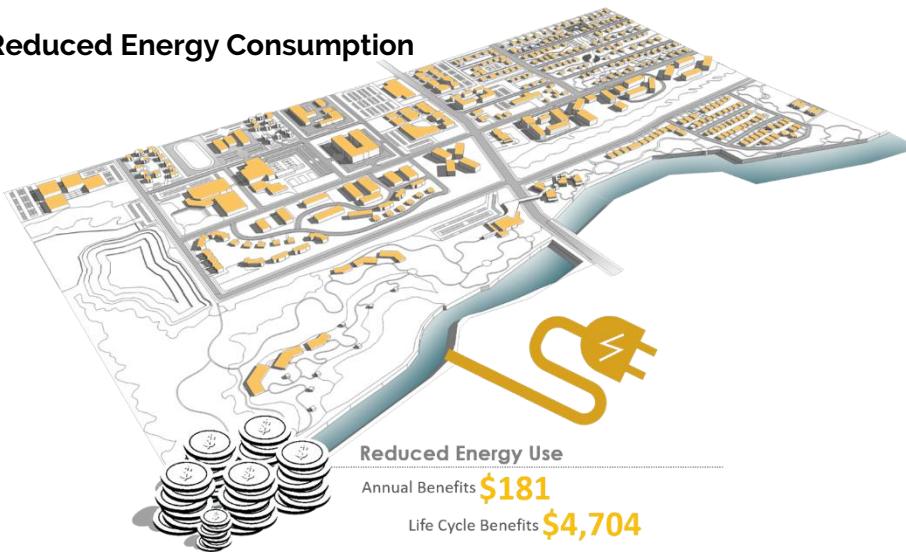
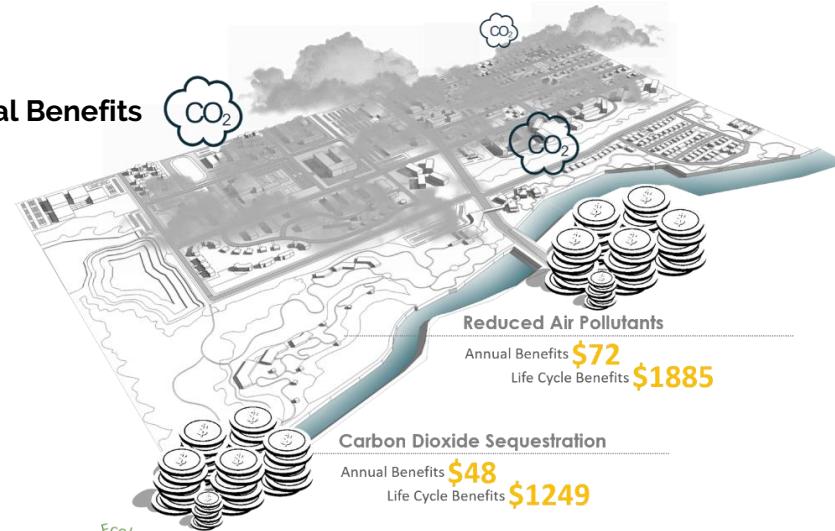


## Reduced Storm Water Run-off

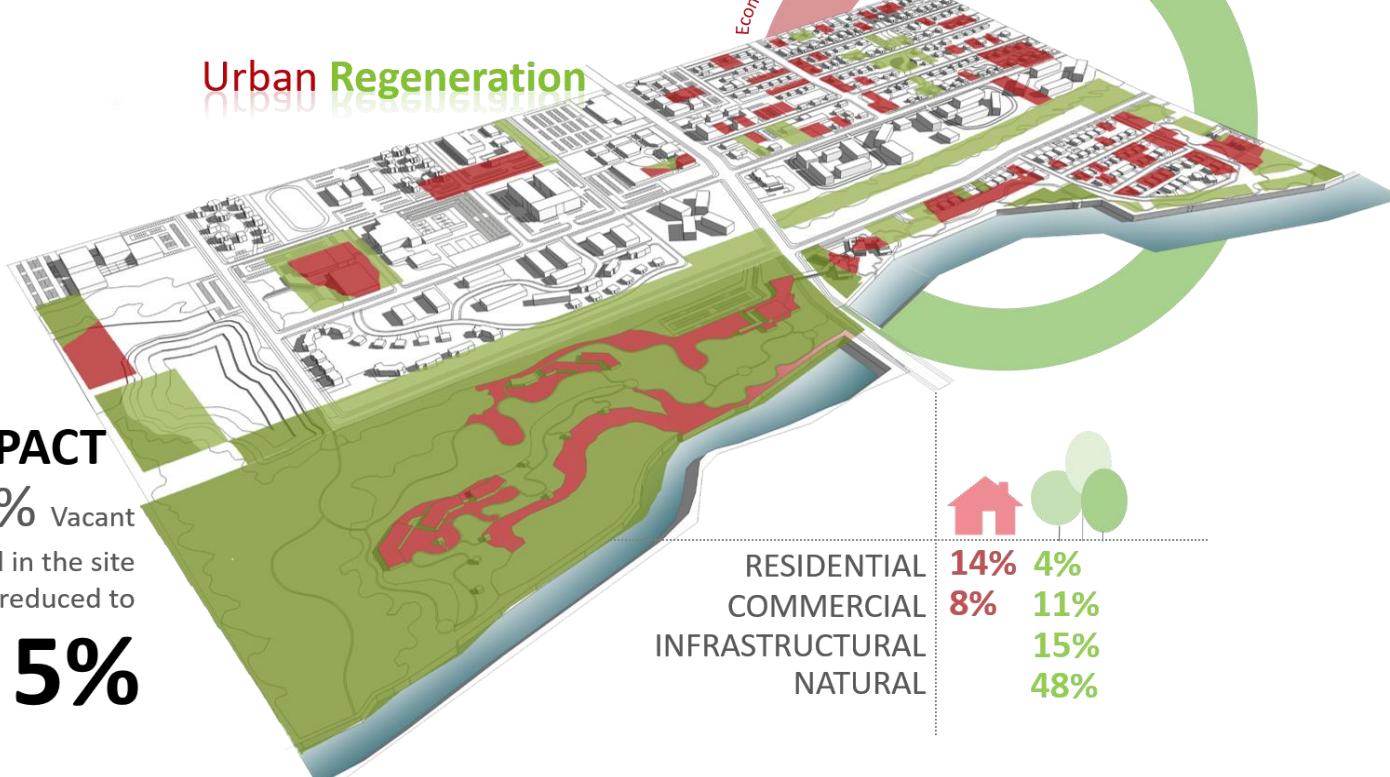


## Cost Benefits



**Reduced Energy Consumption****Environmental Benefits****Urban Regeneration****IMPACT**

34% Vacant

Land in the site  
now reduced to**5%**

# 03

## Ecolite | Master Planning Proposal

Community Urban Design | Tongguling, China

Designing an **eco-sensitive, human centric** tourist district



### SCOPE OF WORK



Designing



Rendering



Drafting



3D Modelling



TOOLBOX

Ai

Ps

Id

Figma

Sketch

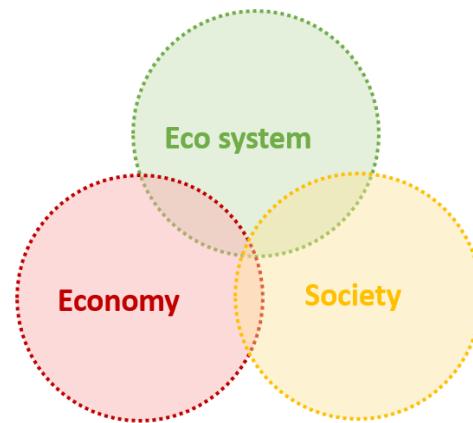
# Academic Work

Urban Design Studio Project | Fall 2018

## Mission Statement

To propose a master planned community encompassing a mixed-use development to attract domestic and international tourists, to **boost the economy** and create employment opportunities and to **foster a healthy and livable society in harmony** with **natural ecosystems and ecosystem services**.

## Goals & Objectives



- Promote **agricultural tourism** to enhance local economy and preserve agricultural land.
- Develop retail, shopping centers, promenade, hotels, resorts and outdoor adventure sport **activities to boost economy**.
- Develop a **tourist district** to attract local as well as international tourists.
- Create a **unique icon** to increase local economy, tourism and investment throughout the year.
- To increase **employment opportunities**, propose commercial zones for industries like space, research and development, games and animation, energy, etc.

- Propose **infrastructural development in harmony with local eco system** and natural resource like coral reefs, mangroves, wildlife, evergreen and tropical forests.
- Preserve and promote wetlands and **mangroves** in the region.
- Utilizing **bird migration corridors** for wildlife observation.
- Identifying different **types of landforms** to showcase diversity.
- Limiting carbon emissions by developing **vehicle free eco corridors** around habitats of endangered and endemic species.
- Educate people about natural habitat with the help of **natural trails**.

- Develop **health and wellness centers** amongst natural habitat for the community.
- Integrate **rental and retiree housing** along with existing local residential housing.
- The **Social infrastructure** like theatres, parks, public spaces, museums, civic centers, town support services, sports facilities and entertainment hubs will be a part of the master planning community.
- Design **community colleges** to provide vocational training, year-round professional courses, distance educational learning and night schools.
- Protect local **history, culture and architecture**.
- Promote walkable/bikeable community and restrict motorized vehicles for **healthy and active living**.

## Market Analysis

- Our site Tongguling needs vigorous development in tourism.
- In Wenchang City, nearly 80% of people only have primary education.
- Wenchang has a lot of room in the economic development.
- Baoneng strategically invests in the development of the cultural tourism industry, and builds a healthy and happy-oriented cultural and travel products to meet the public's longing for a better life.

## Target Users



Tourists



Local Residents



Developer

## User Needs Analysis



### USERS



### ACTIVITIES



### SPACES



### ELEMENTS

#### INTERNATIONAL TOURISTS



- Recreation
- Clubbing
- Special Event Gathering
- Working Out
- Outdoor Activities
- Dinning
- Shopping

#### DOMESTIC TOURISTS



- Living
- Training
- Eco-tourism
- Agritourism
- Health Maintenance
- Camping

- Historic Village Center
- Mix-use Center
- Green Open Space
- Coastal Space
- Commercial Area
- Sports Field

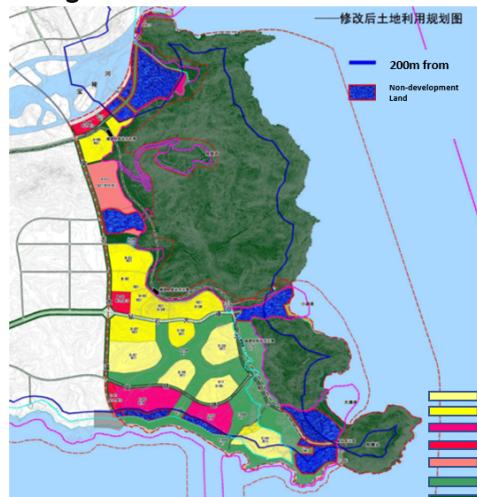
- Natural Adventure Park
- Diving/fishing Site
- Bird Watching Site
- Public Square
- Swimming Pool
- Hot Spring Park
- Club/Bar/Restaurants

- Local Houses
- Town Center
- Green Open Space
- Reception Center
- Spiritual Space
- Wellness Center

- Airbnb
- Courses on Agriculture
- Farmland
- Farmer Market
- Mangrove Visiting
- Bike Line/Pedestrian/Boat
- Tree Houses/Stone Houses

USERS	ACTIVITIES	SPACES	ELEMENTS
LOCAL RESIDENTS 	<ul style="list-style-type: none"> <li>Farming</li> <li>Living</li> <li>Special Event Gathering</li> <li>Working</li> <li>Learning</li> <li>Outdoor Activities</li> </ul>	<ul style="list-style-type: none"> <li>Farmland</li> <li>Houses</li> <li>Transportation</li> <li>School/Training Center</li> <li>Community Center</li> <li>Canopy Area</li> </ul>	<ul style="list-style-type: none"> <li>Workshop</li> <li>Single Family House</li> <li>Multi family House</li> <li>High School</li> <li>Community Park</li> <li>Sports Filed</li> </ul>
DEVELOPER 	<ul style="list-style-type: none"> <li>Develop Real Estate</li> <li>Improve Income for Residents</li> <li>Provide Job Opportunities</li> <li>Attract Tourists</li> </ul>	<ul style="list-style-type: none"> <li>Houses</li> <li>Hotel</li> <li>Commercial Area</li> <li>Aerospace Program</li> </ul>	<ul style="list-style-type: none"> <li>Rental Houses</li> <li>Different Type of Hotel</li> <li>Science Park</li> <li>Aerospace Products</li> </ul>
WILDLIFE 	<ul style="list-style-type: none"> <li>Living</li> <li>Foraging</li> <li>Ecosystem Service</li> </ul>	<ul style="list-style-type: none"> <li>Forests</li> <li>Mangrove Area</li> <li>Lake</li> <li>Wetland</li> <li>Coastlines</li> </ul>	<ul style="list-style-type: none"> <li>Mangrove Restoration</li> <li>Coral Reef Preservation</li> <li>Green Corridor</li> <li>Forest PreservatioN</li> </ul>

## Design Guidelines



### COMMERCIAL

The commercial zones consist of retail spaces shopping malls, business facilities, offices and recreational and entertainment areas. It can include areas like,

#### Land for Hotels (B14)

- Hotels of Different Level
- Rental Houses (Airbnb)
- Apartment
- Vocational Village

#### Retail (B11)

- Farmer Market
- Super Market
- Stores
- Shopping Street

#### Recreational (B3)

- Theater
- Art Museum
- Historical Museum
- Concert Hall

### RESIDENTIAL

The residential areas can be classified as first class facilities and second class facilities. The first class residential typology has high end infrastructure, is environmental friendly and can be stand alone buildings. The second class type has more of Low-rise Building, Mid-rise Building or High-rise Buildings for multi family.

#### Components of Class 1 (R)

- Villa
- Single-family Houses
- Community Garden
- Pedestrian Path
- Kinder Garden
- Gym
- Commercial Area
- Wellness Center

#### Components of Class 2

- Multi-family Houses
- Parking Lot
- Green Open Space

#### Green Space (G1)

- Pocket park
- Theme park
- Edible Garden
- Community Park

#### Protection Green Land (G2)

- Green space with isolation and safety protection

#### Land for Squares (G3)

- Public space with assembly function for events

Land Use	Proportion
R Residential	40%
A Administration and Public Services	5-8%
B Commercial and Business Facilities	10-12%
S Street and transportation	10-25%
G Green space	10-15%

Name	Proportion (Green Space)
Hospital/Wellness Center	≥40%
School/ Training School	≥40%
Large Cultural and Recreational facilities	≥30%
Transportation	≥20%
Administration and Public Services	≥30%

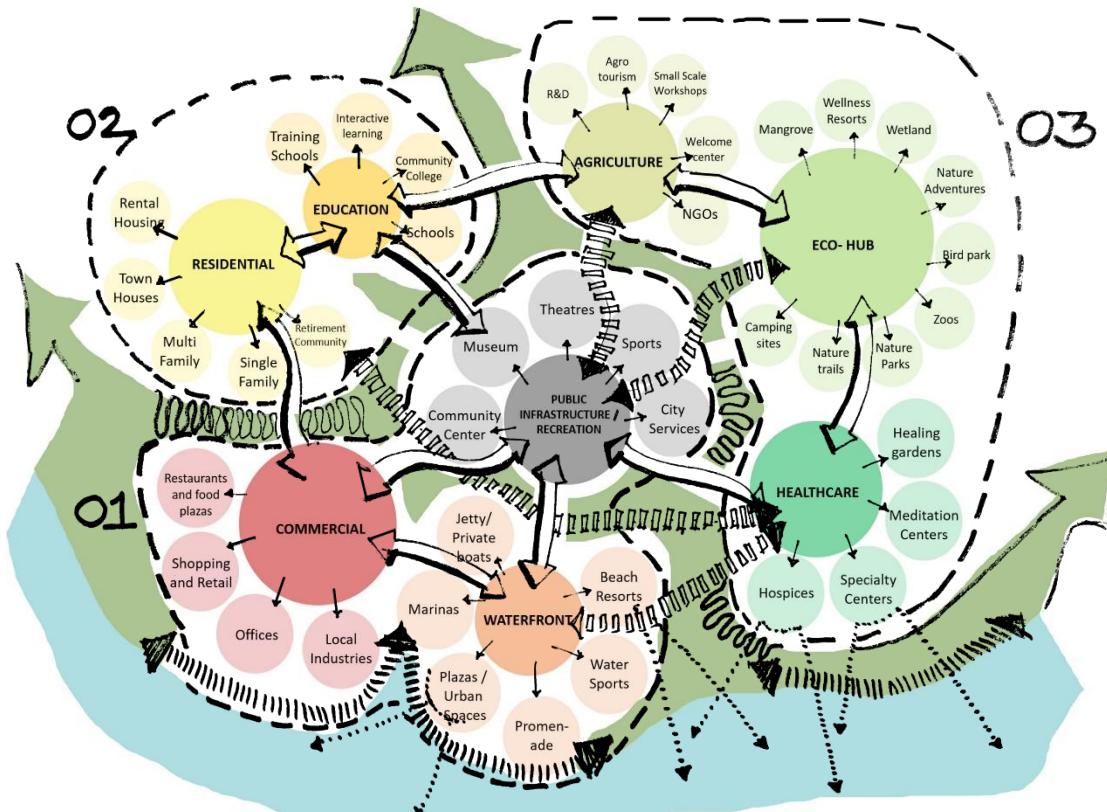


03

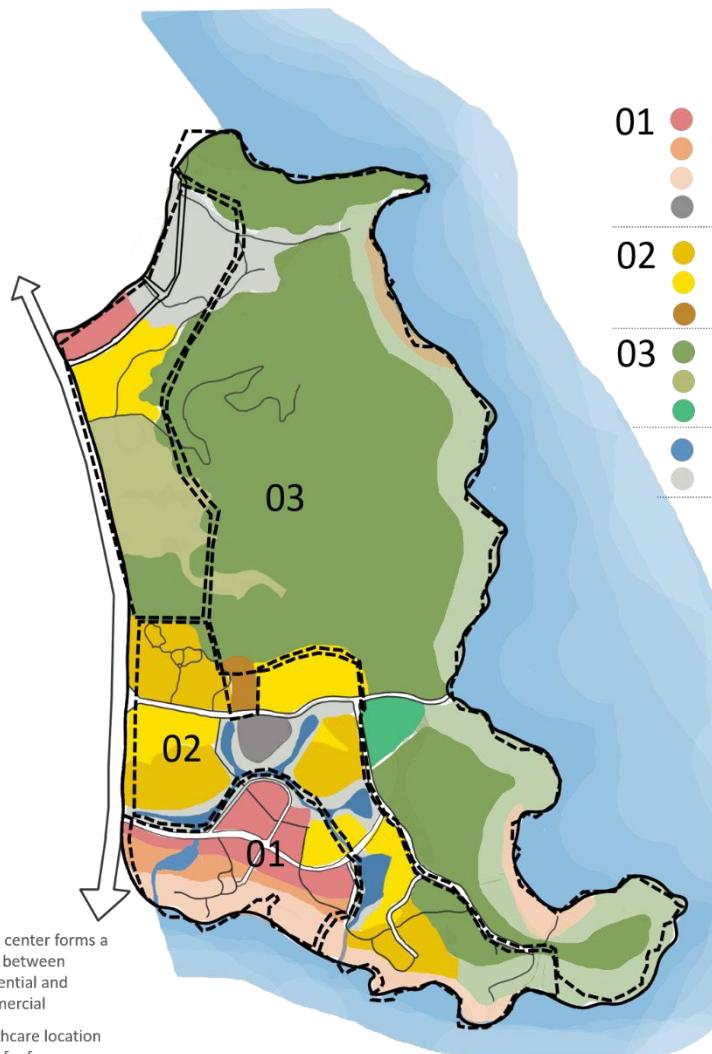
# Ecolite: An Eco-sensitive Human-centric Tourist District

Community Urban Design | Tongguling, China

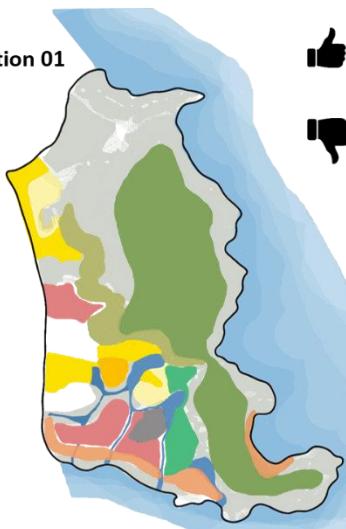
Bubble Diagram



Functional Relationship Diagram



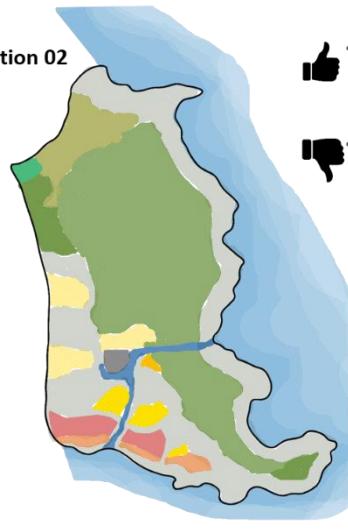
Option 01



- Healthcare location
- Commercial zone divided
- Residential on north west side way too far from public infrastructure.
- Agricultural land available not used for agriculture

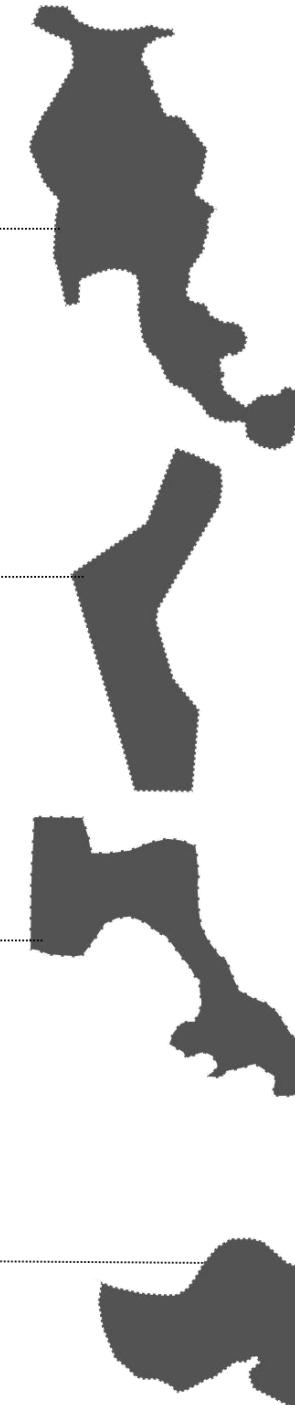
- |    |                            |
|----|----------------------------|
| 01 | ● Commercial               |
|    | ● Waterfront development   |
|    | ● Public Infrastructure    |
| 02 | ● Residential High Density |
|    | ● Residential Low Density  |
| 03 | ● Eco-hub Infrastructure   |
|    | ● Eco-hub Nature Preserve  |
|    | ● Agriculture              |
|    | ● Healthcare               |
|    | ● Proposed Water Bodies    |
|    | ● Natural Land             |

Option 02



- Town center forms a pivot between residential and commercial
- Healthcare location quite far from residential and commercial

- |    |                            |
|----|----------------------------|
| 01 | ● Commercial               |
|    | ● Waterfront development   |
|    | ● Public Infrastructure    |
| 02 | ● Residential High Density |
|    | ● Residential Low Density  |
| 03 | ● Eco-hub Infrastructure   |
|    | ● Eco-hub Nature Preserve  |
|    | ● Agriculture              |
|    | ● Healthcare               |
|    | ● Proposed Water Bodies    |
|    | ● Natural Land             |



#### Eco-Hub

1. Wellness Center
2. Meditation zones
3. Healing Garden
4. Viewing Decks
5. Camping sites
6. Eco Trails
7. Biosphere Preserve



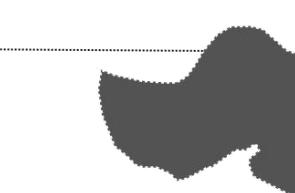
#### Agro-tourism District

1. Agro-Tourism Resort
2. Flower Fields
3. Farmlands
4. Retail and Shopping Markets
5. Multi-Family Housing
6. Townhouses
7. Commercial Office Spaces



#### Green Living District

1. Mixed-use residential High Density Housing
2. Inter-generational Community Living
3. Senior citizen's Housing
4. Public Infrastructure and Services
5. Welcome Center and Museum
6. Educational Facility
7. Single Family Residences



#### Business Entertainment and Recreation

1. Mixed-Use Commercial, Shopping District
2. Convention Center
3. Adventure Resort and Water Park
4. Cultural Center and Food arenas
5. Science Park and Space needle
6. Tropical theme resort
7. Multi-family Residential Housing

**03**

# Ecolite: An Eco-sensitive Human-centric Tourist District

Community Urban Design | Tongguling, China

## Individual Area of Focus

Business Recreation and Entertainment District



**03**

## Ecolite: An Eco-sensitive Human-centric Tourist District

Community Urban Design | Tongguling, China

**Detailed Design**

Business Recreation and Entertainment District



### Ecospace Infinity

Celebrate Life ..Celebrate Nature..

The Eco-space infinity is the central green corridor which will act as a hub of activities and a recreational landscaped open space for the commercial and office spaces as well as the local residents staying in the condominiums and the surrounding medium density apartments. It promotes the idea of work and have fun in nature.

**Legend**

1. Entrance Plaza with water feature and water screen
2. Turf – Amenity Lawn
3. Play Area
4. Amphitheatre
5. Lakeside Recreation
6. Community gathering and Activity Hub
7. Urban Agriculture and Community gardening
8. Solar Kitchen
9. Wind Sculptures
10. Wetland
11. Flowering Drifts
12. Supertrees





## Softscape Concept

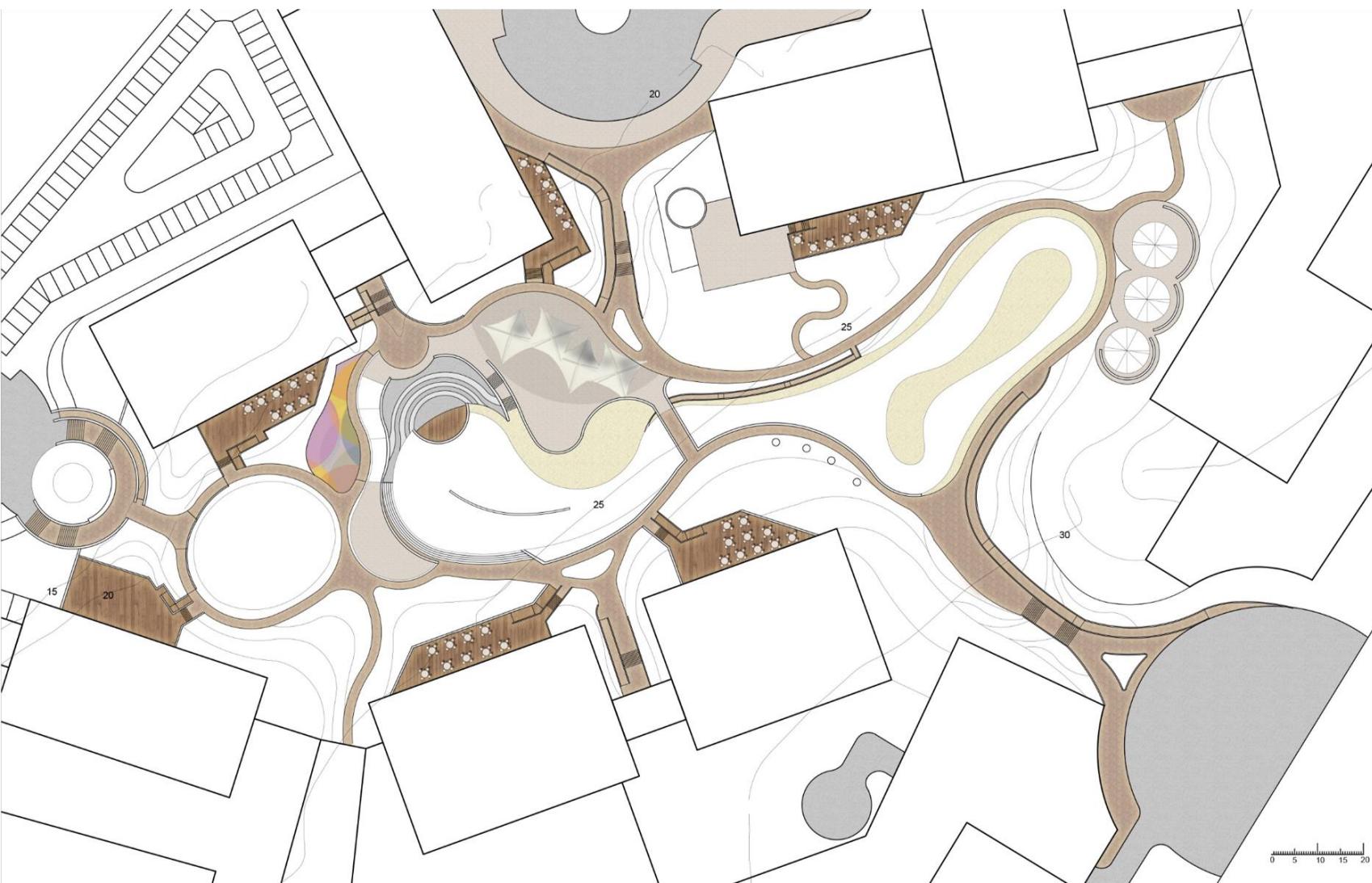
	Description	Visual Appearance	Suggested Species
 Stepped Plantation Drifts (Evergreen)	The evergreen shrubs and grasses native to tropical areas like Tongguling will be planted in a stepped arrangement to form drifts which will correspond to the gradual grade changes in landform.		 <i>Glossy Abelia</i>  <i>Cheonothus El dorado</i>  <i>Jasminum sambac</i>  <i>Cymbopogon nardus</i>
 Stepped Plantation Drifts (Ornamental)	Ornamental Shrubs and grasses would be combined with evergreen shrubs to bring in flowering species, color and vibrancies and visual textures in the drifts.		 <i>Forsythia</i>  <i>Rhododendron spp.</i>  <i>Weigela</i>  <i>Canna Lily</i>
 Amenity Lawn / Turf	The amenity lawn will be a community recreation area which will house different leisure activities and encourage children to play and people to relax and gaze at the waterbody.		
 Wetland Species	The wetland ecosystem will thrive in the central island. Shade loving and water loving plant species will be planted along with palms and cycads.		 <i>Symplocarpus foetidus</i>  <i>Elodea canadensis</i>  <i>Osmunda cinnamomea</i>
 Dense Tropical Vegetation	Dense tropical broad leaved trees will be planted towards the periphery to bind the space together and achieve a continuity with surrounding native landscape. It will also act as a buffer.		 <i>Ginkgo biloba</i>  <i>Sophora japonica</i>  <i>Koelreuteria paniculata</i>
 Cluster Accents	Cluster accent trees would be planted within the dense tropical vegetation to break the monotony and create visual harmony.		 <i>Lagerstroemia indica</i>
 Axial Planting	Axial planting would be done to highlight entrances and attract visitors towards the eco-space infinity. Plant selection will include evergreen tall species.		 <i>Queen Palm</i>
 Specimen Trees	Specimen trees with colored foliage will be placed at strategic locations to enhance the aesthetics of the space and act as visual landscape features.		 <i>Delonix regia</i>  <i>Jacaranda mimosifolia</i>
 Ornamental Trees	Exotic ornamental species will be planted in the activity hub to act as a backdrop to the public plaza.		 <i>Cassia fistula</i>

03

# Ecolite: An Eco-sensitive Human-centric Tourist District

Community Urban Design | Tongguling, China

Hardscape Plan



## Hardscape

Walkways-  
Decomposed Granite



Wooden Decks



Play Turf



Concrete paving



Paving type 2  
Decomposed Granite



Lakeside- Sand and  
Gravel

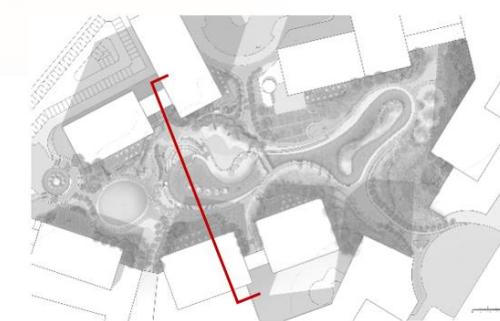
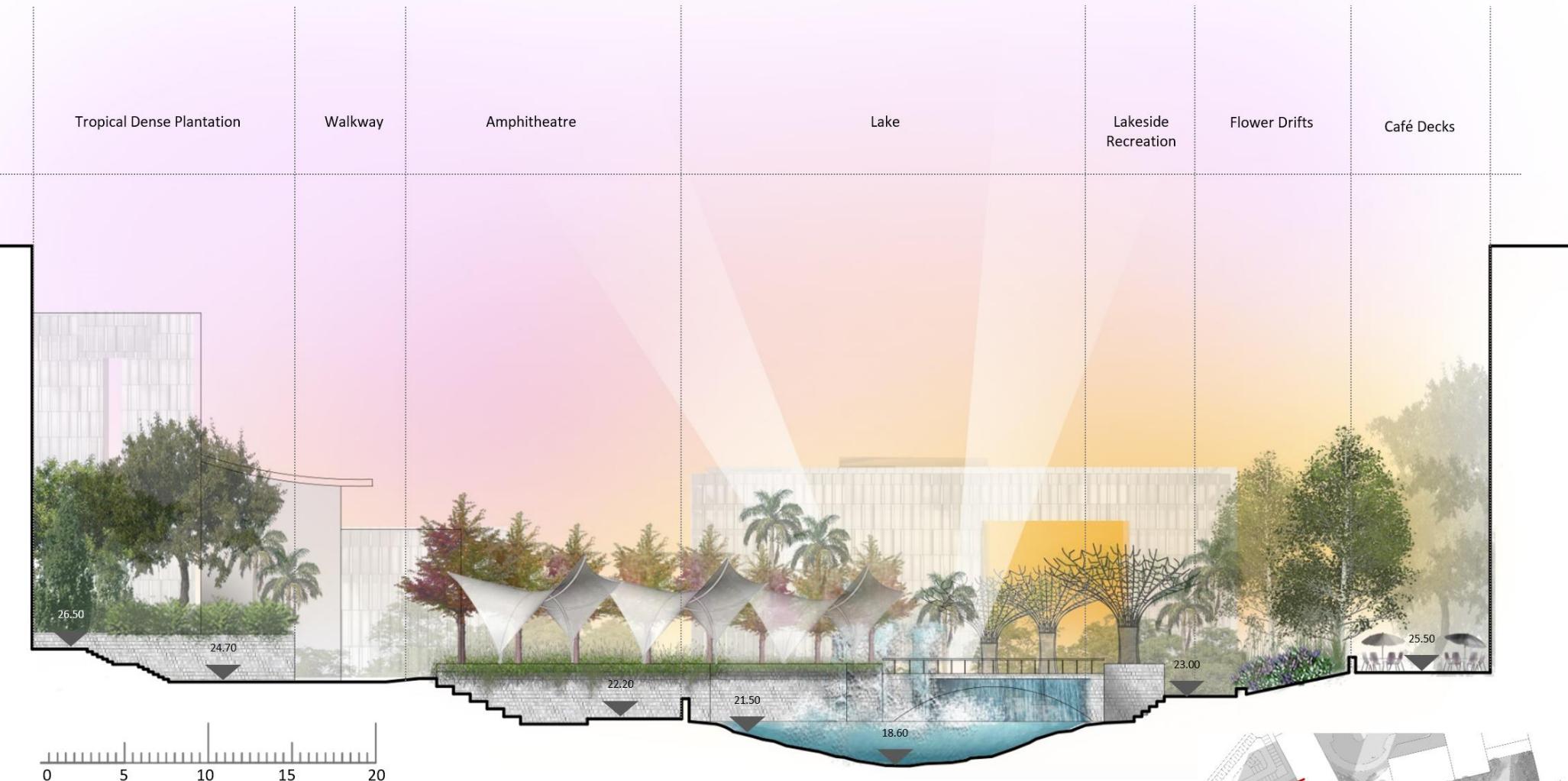


03

## Ecolite: An Eco-sensitive Human-centric Tourist District

Community Urban Design | Tongguling, China

Section



03

## Ecolite: An Eco-sensitive Human-centric Tourist District

Community Urban Design | Tongguling, China



View of the Supertree groves and the lakes from the north-east entrance

03

## Ecolite: An Eco-sensitive Human-centric Tourist District

Community Urban Design | Tongguling, China



View of the Amphitheatre and community gathering arena from the amenity lawn (Turf)

When I envision my professional career as a Landscape Architect, my primary aspiration is to contribute to exemplary works of architecture, working with accomplished professionals in the field of Landscape Architecture and Technology. On a personal level, I am of the opinion that architecture greatly affects the **quality of societal life**. I wish to make a significant contribution to the landscape architectural fraternity and establish concepts that will be **environmentally sustainable** and **socially pragmatic**.

#### WORK EXPERIENCE (2017-2019)

**Callison RTKL, Inc. Dallas , TX**  
Landscape Architecture Intern | Summer 2018

**Ravi Varsha Gavandi Landscape Architects , Pune, India**  
Junior Architect | January-July 2017

# Professional Work



Photo Credits: Ravi & Varsha Gavandi Landscape Architects, Pune, India

# 01

## DESIGN OF A PUBLIC PLAZA

Retail Shopping | Middle East



## RECREATION SOCIAL NODE WALKABILITY INTERACTION

SUSTAINABILITY  
2019IAIPI



Photo Courtesy : Callison RTKL Inc, Dallas

# Professional Work

Landscape Architecture Intern | Summer 2018

**CALLISONRTKL**  
A DESIGN CONSULTANCY OF ARCADIS

01

# Design of Public Plaza

Retail Shopping | Middle-East

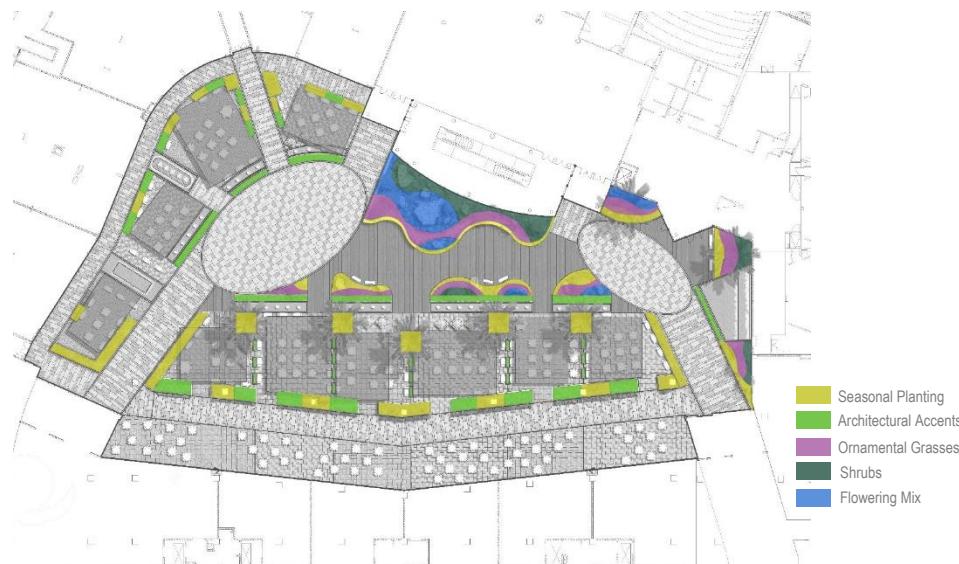
Design Concept



MASTER PLAN



PROGRAMMING



SOFTSCAPE CONCEPT

02

## EL ARBOL

Residential Landscape Design | Monterrey, New Mexico



### SCOPE OF WORK



Photo Courtesy : Callison RTKL Inc, Dallas

RECREATION SOCIAL NODE  
WALKABILITY INTERACTION  
INNOVATION SUSTAINABILITY

Professional Work

Landscape Architecture Intern | Summer 2018

**CALLISONRTKL**  
A DESIGN CONSULTANCY OF ARCADIS

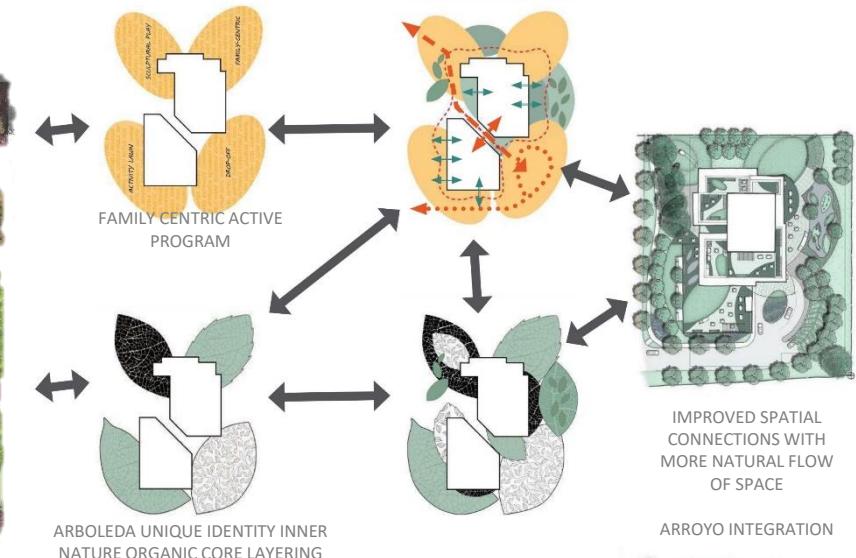
# 02 El Arbol

Residential Landscape Design | Monterrey, New Mexico

Planning Concept



MASTER PLAN



## LEGEND

1. Entry Signage Feature
2. Hammock hangout
3. Play Berm / Decking
4. Permeable Pedestrian path
5. Tree House
6. Lounge Deck
7. Specimen tree
8. Arbor Covered Garage Entry
9. Stone Seating Fire Pit
10. Playground
11. Giant Jenga / Lawn games
12. Flex lawn
13. Sculptural Bench

Internship | Summer 2018

**CALLISONRTKL®**  
A DESIGN CONSULTANCY OF ARCADIS

KARISHMA JOSHI

Master Of Landscape Architecture (2020)  
Texas A&M University, College Station, TX

# 03

## NEIGHBORHOOD MASTER PLANNING

Urban Landscape Design | Egypt



# RECREATION SOCIAL NODE SUSTAINABILITY

## WALKABILITY INTERACTION

TOOLBOX

Ai

Ps

Id



Photo Courtesy : Callison RTKL Inc, Dallas

# Professional Work

Landscape Architecture Intern | Summer 2018

**CALLISONRTKL**  
A DESIGN CONSULTANCY OF ARCADIS

# 03 Neighborhood Master Planning and Design

Urban Landscape Design | Egypt

Master Plan



## LEGEND

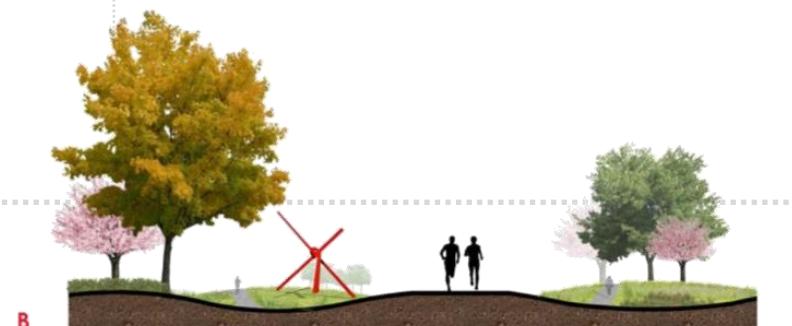
1. The River
2. Lakes at the Cliffs
3. The Forest Park Pool
4. The Forest Park Dog Park
5. The Meadows Pool
6. The Valley Multi Family Pool
7. The Valley Neighborhood Pool
8. Falls at the valley
9. The Valley Amphitheatre
10. The Valley Playground
11. The Valley Dog Park
12. The Cliffs Playground
13. Falls at the Cliffs
14. The Forest Park Transition
15. The Meadows Transition

LANDSCAPE MASTER PLAN

THE CLUB



THE MEADOWS



THE FOREST PARK



THE CLIFFS



THE VALLEY



THE RIVER



# 04

## URBAN DESIGN & MASTER PLANNING PROPOSAL

Mixed Use Development | Taiyuan, China

# RECREATION SOCIAL NODE WALKABILITY INTERACTION

SUSTAINABILITY  
LIVABILITY



### SCOPE OF WORK



Designing



Rendering



Drafting



3D Modelling



### TOOLBOX



Photo Courtesy : Callison RTKL Inc, Dallas

# Professional Work

Landscape Architecture Intern | Summer 2018

**CALLISONRTKL**  
A DESIGN CONSULTANCY OF ARCADIS

# 04 Urban Design & Master Planning Proposal

Mixed Use Development | Taiyuan, China

## Preliminary Concept



Creative park



Happy Harbor



Commercial / retail shopping

# 05

## Stream Park

Ecosystem Restoration & Habitat Conservation | Pune, India



### SCOPE OF WORK

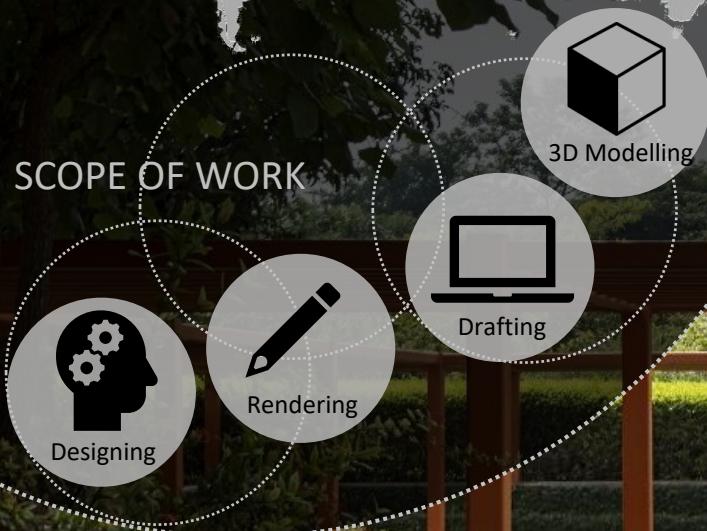


Photo Courtesy : Ravi Varsha Gavandi Landscape Architects, Pune

# Professional Work



**Project Title:**  
**Stream Park at Nanded City, Pune, India**  
Landscape design and ecosystem restoration along a canal passing through the site.

**Project Area:**  
700 Acres- Mixed Use and Residential Development

**Project Type:**  
Residential Neighborhood

**Media & Recognition:**  
<https://ravivarsha.com/media.html>

Junior Architect | January 2017 – July 2017

# 05 Stream Park

Ecosystem Restoration & Habitat Restoration | Pune, India

Stream Park at Nanded City, is a riverfront which is ecologically and environmentally sensitive which became the first of its kind; a role model in the country.

The buffer zone along the stream predominantly comprises of vegetation to control erosion, habitat recreation, natural corridors for fauna and as a barrier.

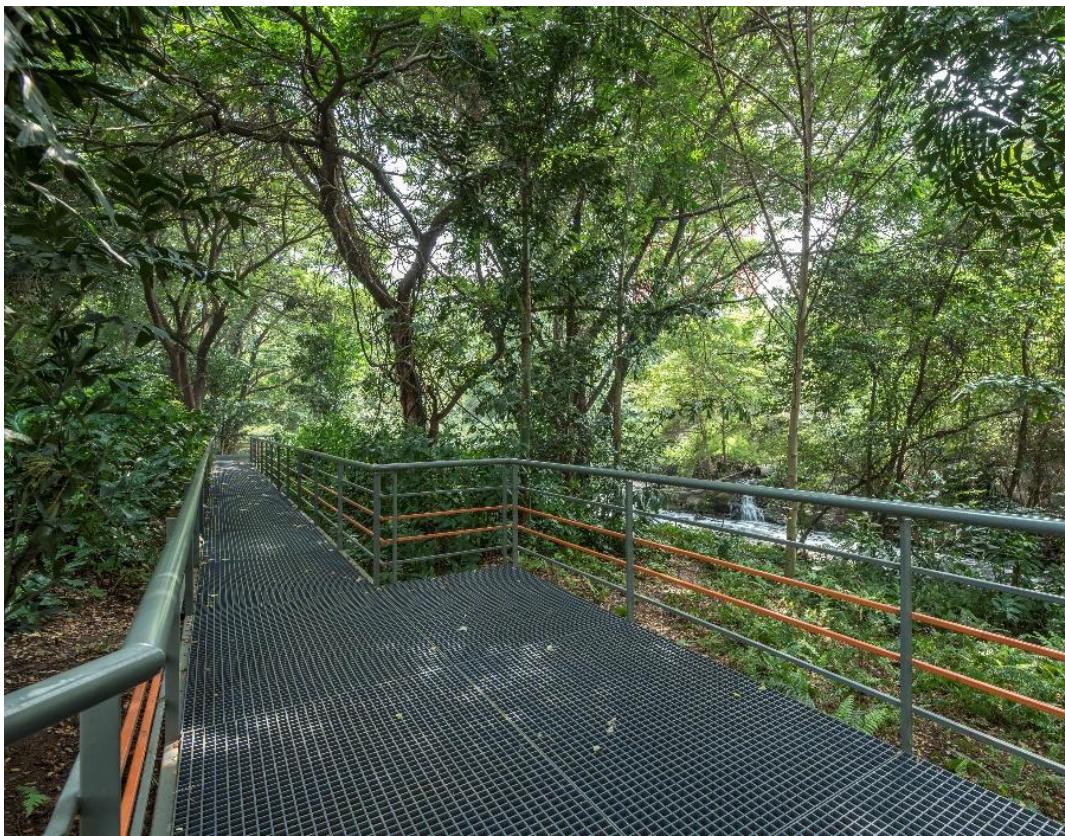
## KEY FEATURES

- An ecological assessment of the area in and around the stream revealed the strength and uniqueness of the existing landscape.
- As a result, the design objective is to enhance, reinforce and heal the natural landscape. The long term aim is to promote and protect the diverse flora and fauna of the area and simultaneously create a space where people can connect with nature.

## Development of a Habitat:

The buffer zone along the stream predominantly comprises of vegetation to control erosion, habitat recreation, natural corridors for fauna and as a barrier

- The water impounded at the specified locations is of a shallow depth.
- This allowed the **penetration of sunlight**, which is essential for the aquatic life.
- The flow of water over the weir causes **turbulence resulting in the oxidation of water**.
- The impounded water is very scenic, and hence a **value addition and a recreational area**.
- Design of **wetlands enhances development of varied natural habitats**.
- Riparian corridors contain the trees and shrubs needed **to provide shade, insect habitat, bank stability and large woody debris for in stream habitat**.



# 05 Stream Park

Ecosystem Restoration & Habitat Restoration | Pune, India

Planning Concept



ZONING CONCEPT- MASTER PLAN



MASTER PLAN

# 06

## Rooftop Sky Lounge and Deck Landscape

Commercial Landscapes | Pune, India



### SCOPE OF WORK



3D Modelling



Rendering



Drafting

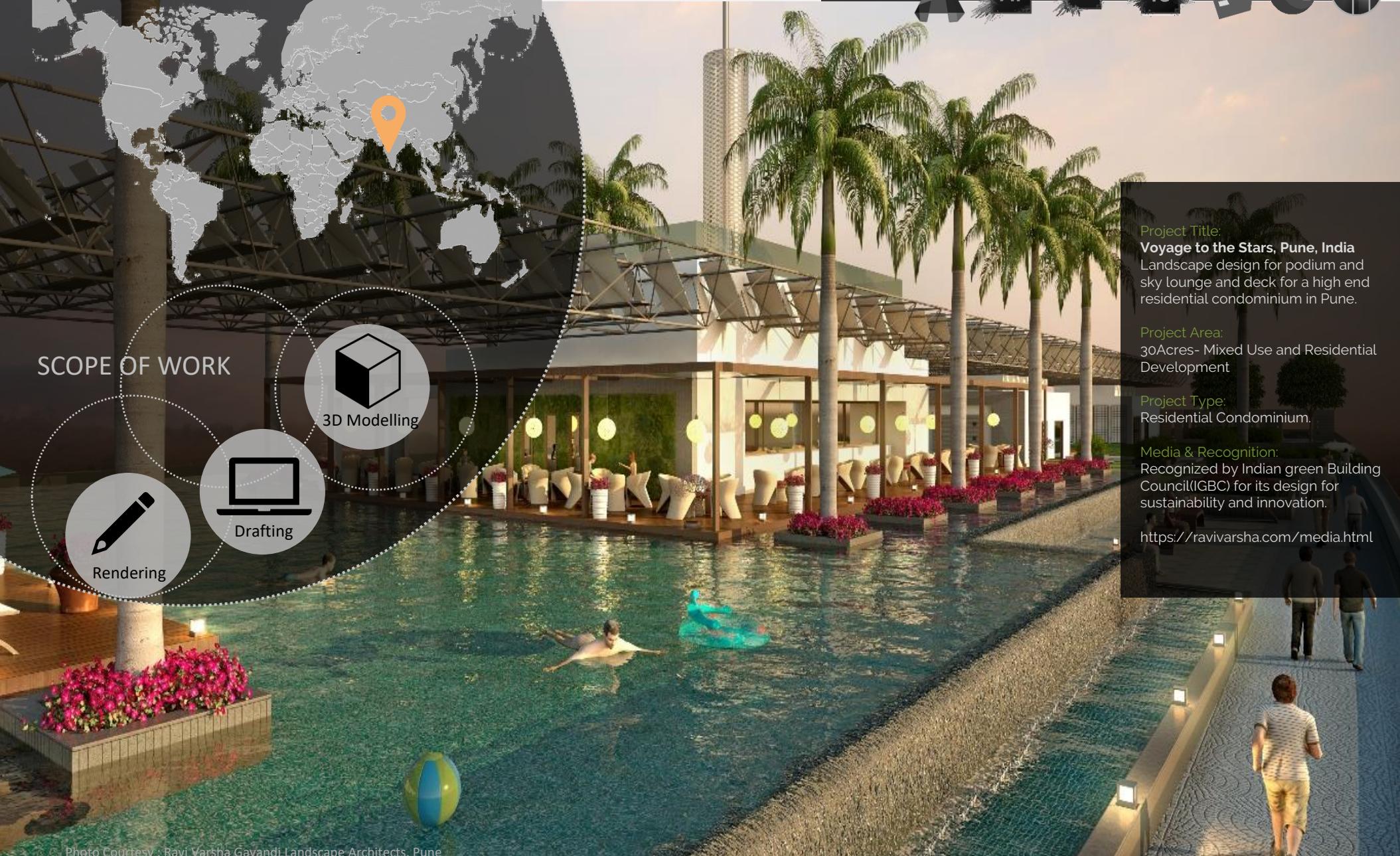


Photo Courtesy : Ravi Varsha Gavandi-Landscape Architects, Pune

TOOLBOX

Ai

Ps

Id

F



**Project Title:**  
**Voyage to the Stars, Pune, India**  
Landscape design for podium and sky lounge and deck for a high end residential condominium in Pune.

**Project Area:**  
30Acres- Mixed Use and Residential Development

**Project Type:**  
Residential Condominium.

**Media & Recognition:**  
Recognized by Indian Green Building Council (IGBC) for its design for sustainability and innovation.

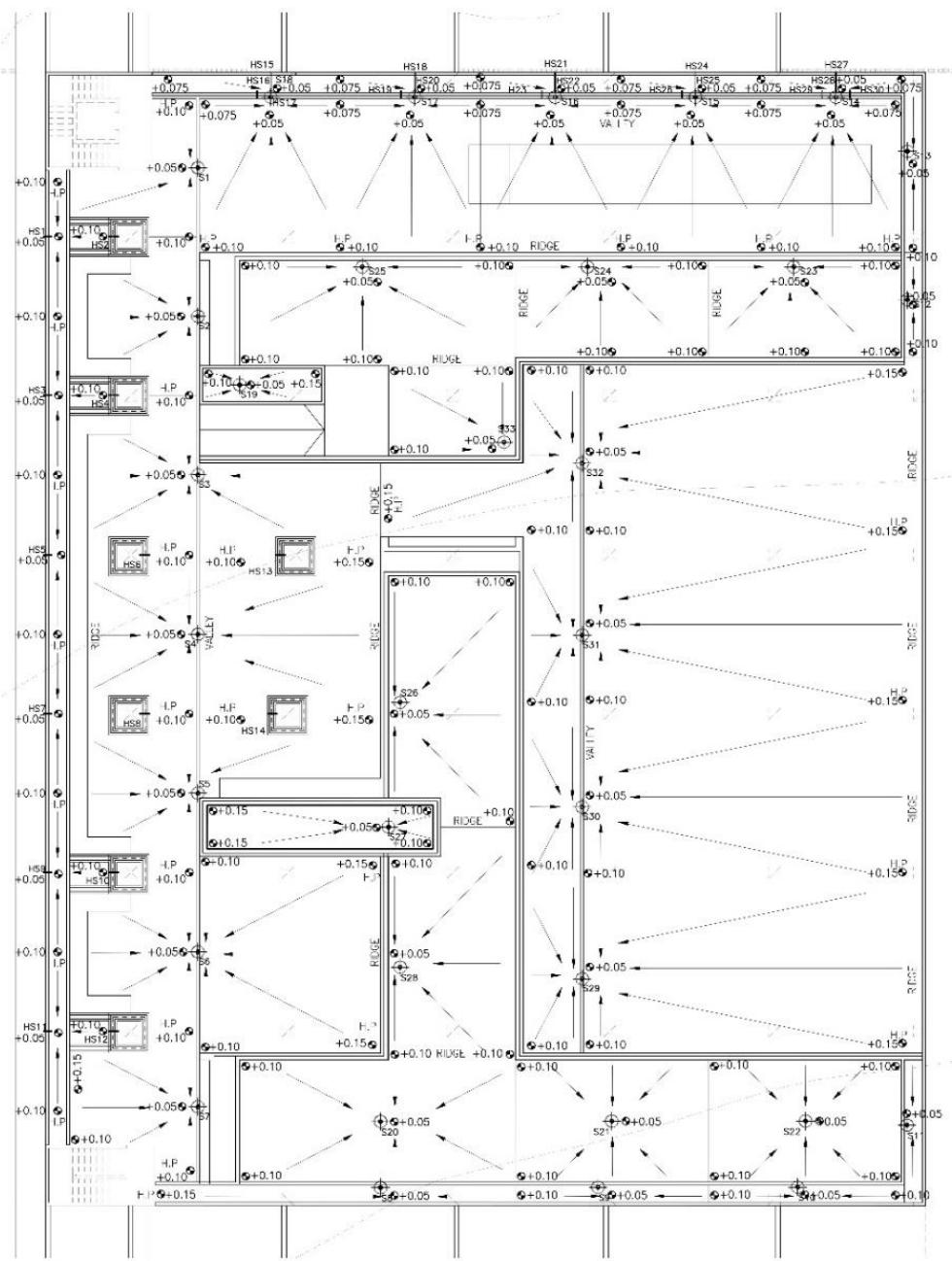
<https://ravarsha.com/media.html>

# Professional Work

Junior Architect | January 2017 – July 2017

# 06 **Rooftop Sky Lounge and Deck Landscape**

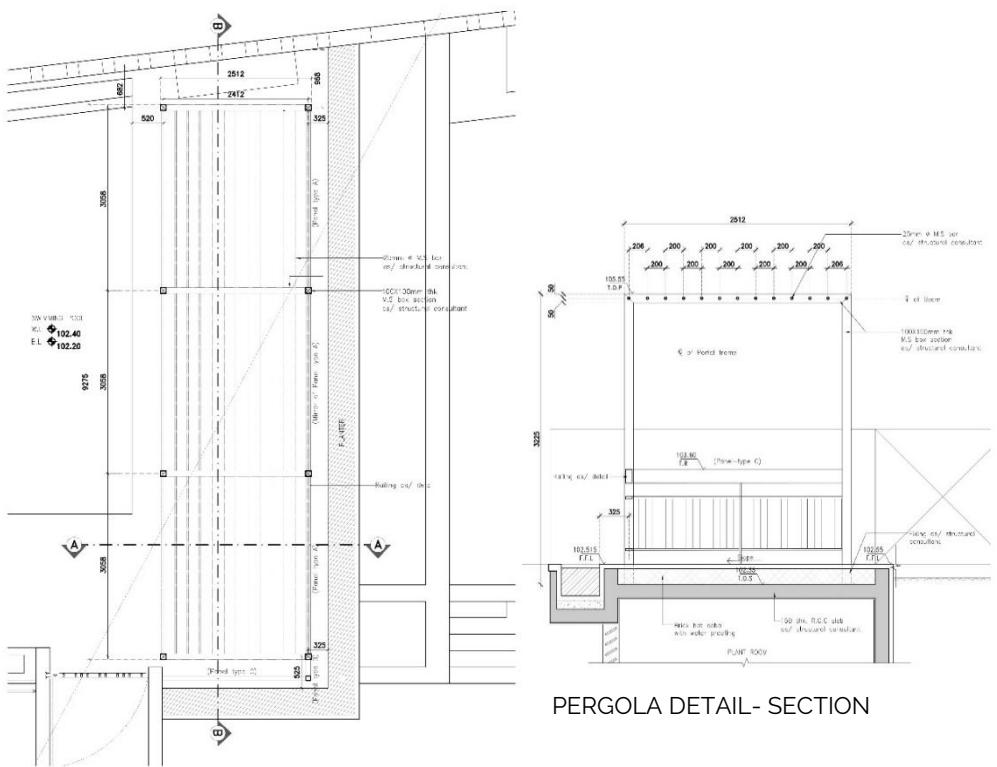
Commercial Landscape Design | Pune, India



## SUB-SURFACE GRADING PLAN



## View of the Roof deck and amenity space



## PERGOLA DETAIL- PLAN

# Sketchlogue

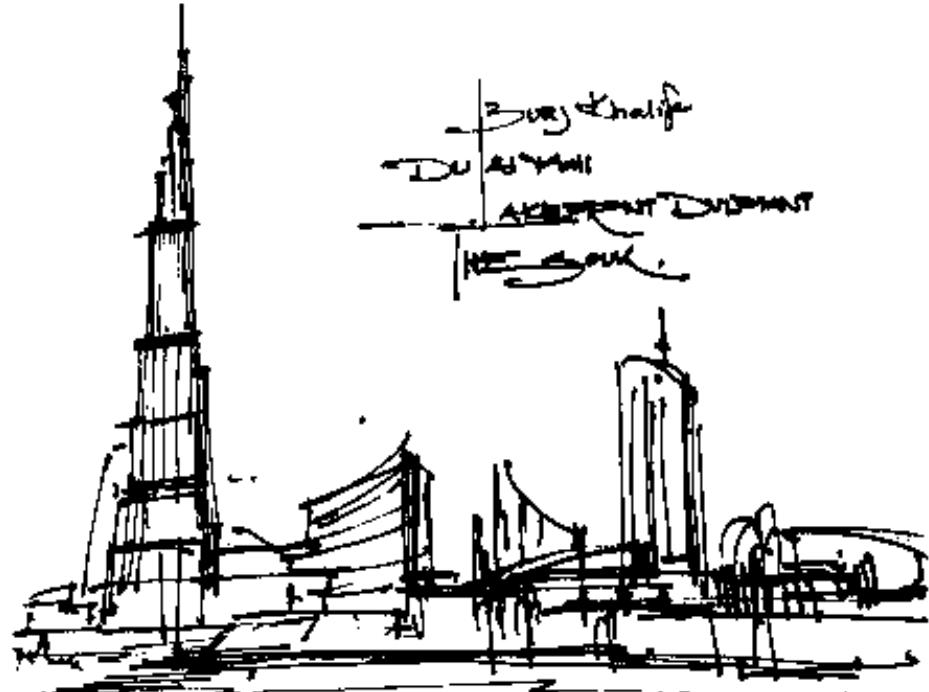
Sketching has always been a **medium of comfort**. Since the first year of being into architecture, I have been recording my **observations**, some **visuals** that seemed interesting or any **unique and intellectual construction details** in the form of sketches. Any tour or excursion is complete only when it finds its place in the "**sketchlogue**" as I call it. When I roam around visiting different places and appreciating the architecture, I feel the experience is cherished in the form of sketches.



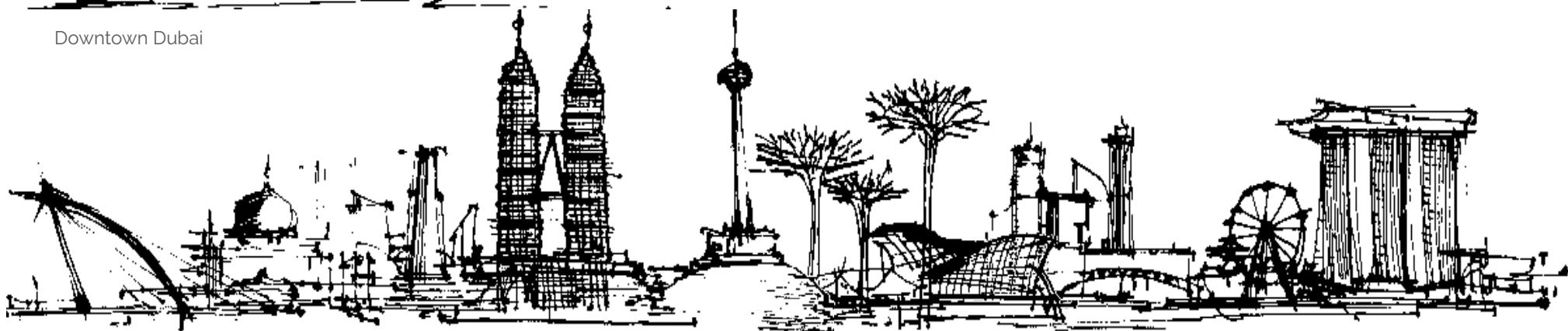
# 01

## Travel Diary

Expressions | Pen and Paper



Downtown Dubai



Tour of Singapore, Malaysia and Thailand

LOCATIONS



Travel Observe  
Sketch Learn

Having travelled to different places around the world and in India, I have maintained a travel diary. I believe **observation is education**.. Making thumb sketches has helped me develop a sense of **scale and proportion**...

## 02 Caricatures

Expressions | Pen and Paper

### CARICATURES , DOODLES AND.... ME....

Making caricatures has always been a candid way of expression.

**Caricatures** .... A vivid description of a person using **exaggeration** of some characteristics and **over- simplification** of the others.



VVEDNESDAY  
28.10.2015  
08.22.C.F  
FIRST CLASS



It was utterly an accident when I encountered that I had a fair hand at making caricatures. But since then I have cherished this hobby and working towards developing it further..

# Thank you

© 2019, **Karishma Joshi**  
Graduate Student- Masters of Landscape Architecture (2020)  
Texas A & M University, College Station, TX, USA.  
[karishmajoshi@tamu.edu](mailto:karishmajoshi@tamu.edu) / [karishmajoshi4793@gmail.com](mailto:karishmajoshi4793@gmail.com)  
+1 (979) 739-7182