

LANDSCAPE DESIGN PORTFOLIO

Nitya Varshney (2019-2023)



"I consider landscape design as a process of responding to voices. These voices are about the need for the form, ecology, culture and industry of the land. Therefore shaping the landscape can draw from these elements and is intended to help the creatures that live on it."

Nitya Varshney

Landscape architect

Age : 25 years
(February, 1998)

Nationality : Indian

Languages

English
Hindi
Italian

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304, Park view residency,
Marris Road, Aligarh

Educational Training

Masters in landscape architecture
CEPT University, Ahmedabad,
Gujarat, India
2021-2023

Bachelors in Architecture

Aayojan school of Architecture, Jaipur
Rajasthan, India
2015-2020

Delhi public school, Aligarh

Higher education

(12 years)

Cultural secretary (2014)

Work Experience

Oracles Landscape design Studio

(May 2023 - present)

Landscape Architect, Project Head, Design

Architect Alcove, Aligarh

(sept 2020-2021)

incharge of landscape projects

Freelancer

(july 2020-Present)

Terrace landscape project

(Apartment Building/ community project)

Awarded by ADM city and SPcity, Aligarh

SMART CITY ALIGARH

(2021)

City facade developement(Bharahdwari chock)

Architecture Journalism,

Rethinking the future

(April 2020- July2020)

Article writing

Collaborates with various teams

Architectural Intern

Well-tech Studios,

Milan, ITALY

(Jan 2019- Aug 2019)

Assisted Senior Designer in art direction

Explored Milan design week under Ar. Chiara cantono

Research and Study

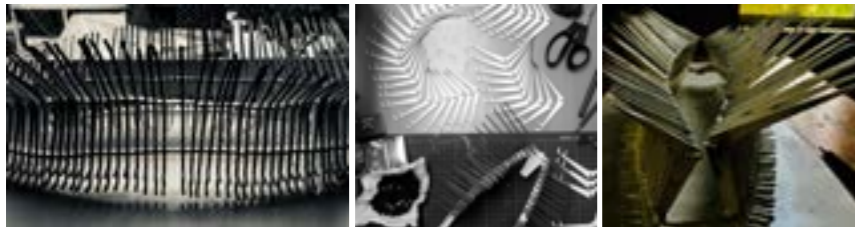
- Terrace of a Terminal Building as a public green space (dissertation 2019)
- Detailed case study on planning of Vatican city, Rome
- Ancient water systems of Jaigrah and Nahargarh fort, Jaipur (water monopolization workshop)

Professional skills

Photoshop
Indesign
Illustrator
Procreate
Autocad
Revit
Sketchup
Lumion
Rhino
Model making
Hand Drafting

Interest with

Travel blogging/exploring
Graffiti-es/Paintings/ Murals
Photography
Plants and Nature
Odissi Dance(Indian classical)
Fashionista
Sketching



CONTENT

- 01 RITZ CARLTON** | Shimla.....
Design Head, Oracles landscape design studio, 2023
- 02 GODREJ IMAGICA TOWNSHIP** | Khanav, Maharashtra.....
Project Head, Oracles landscape design studio, 2023
- 03 GOLF MEADOWS GODREJ CITY** | Panvel, Maharashtra.....
Design Head, Oracles landscape design studio, 2023
- 04 WATER PLUS** | A Riparian territoriality, Ahemdabad, Gujarat.....
Masters in Landscape Architecture, 2022
- 05 TRACING LINES** | Weaving land and sea, Dahanu, Maharashtra.....
Masters in Landscape Architecture, 2021
- 06 ONE FOREST** | Through the dappled lights of sal forest, Jim Corbett, Utrakhand.....
Masters in Landscape Architecture, 2021
- 07 ROUTES OF LANDSCAPE DESIGN** | A forest gallery, Ahemdabad, Gujarat.....
Masters in Landscape Architecture, 2022
- 08 CRUISE TERMINAL** | Terrace Landscape, Kochi, Kerela.....
Bachleours in Architectural Design, 2020
- 09 DURING THE PANDAMIC** | Necklace Terrace garden, community project, Aligarh.....
Freelance 2020 | Bharadwari Chock, City Facade Beautification, Smart city Aligarh....
- 10 PIAZZA CORSO BUONO MILANO** | Public square.....
Architectural Intern, Well-Tech Studios, Itlay 2019 | Museum Resoration.....
- 11 MEASURE DRAWINGS** | Jaigarh palace, Jaipur Rajasthan Bachleours in Architectural Design, 2018.....
| St. peters Basilica, Colaboration with ENSA Toulouse, 2019
- 12 WORKSHOPS** | Bottle Construction, Tilonia Rajasthan
| Landscape Lighting.....
| Milan Design week.....
| Design Explorations

01

Ritz Carlton | Shimla

Project Head | Oracles Landscape Design Studio

A Resort in a Forest or A Forest in Resort?

The Mountain for the Ritz Carlton hospitality development provides opportunities for different landscape inserts to influence the surrounding contours. Moreover, these small initiatives make curated as well as natural space available, with the ability for it to grow in response to the changing character of the surrounding terrain.

Scaling the intervention appropriately as
INSERTS

So, as to realm the right balance between NATURE and HABITAT

The landscape design aims to seamlessly blend luxury with the natural beauty of the surrounding forest where guests can experience the natural wonders of the region while enjoying luxurious amenities and environmentally conscious practices. The resort will harmoniously blend the elements of manicured landscapes with untamed wilderness through formal order and forest trails, providing guests with a unique contrast and unparalleled experiences.

Designing manicured Landscape inserts in and around the blocks, where the blocks are connected through Native landscape trails.

Heightening Contrast between manicured Landscape and Wilderness. Framing Larger Context through our landscape design. Emphasizing the resort's connection to the pristine Himalayan landscape, the design will prioritize framing larger scenic views. Native plants and trees will be incorporated into the design to maintain the regional character.



Site-Plan

Restoring and enhancing Native landscape.



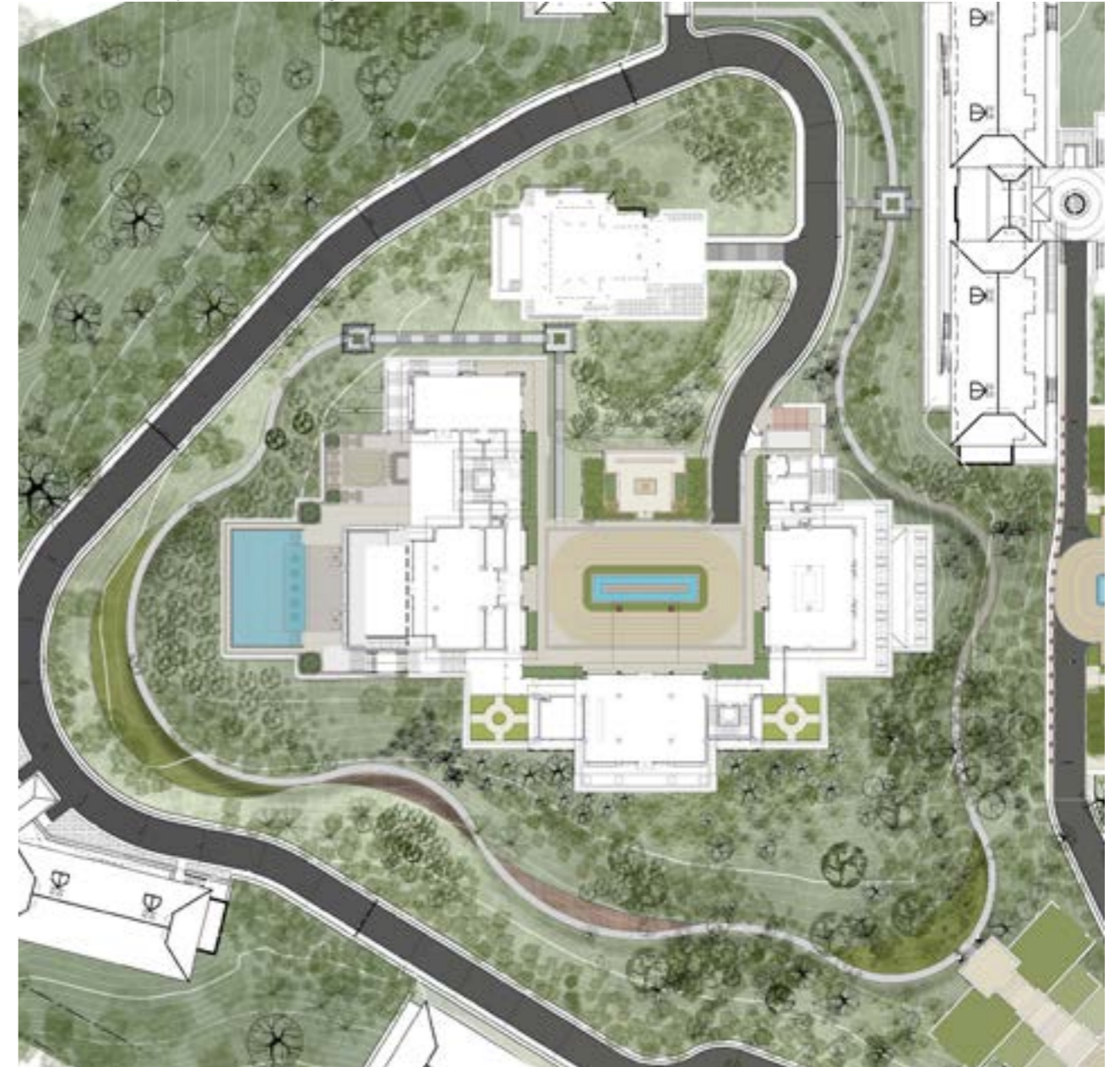
Visualising Luxurious wilderness

Using AI softwares



Wilderness Trails

Features eco-friendly materials blending with architecture.



Trails and Elevated wooden walkways will be intricately woven throughout the resort, offering guests a unique experience to explore the wilderness. These pathways will follow the contours of the terrain, providing stunning panoramic views.

Transfer Block

First impression of the resort.



Ground Level



Drop off area, incorporating soothing water feature with ornamental elements



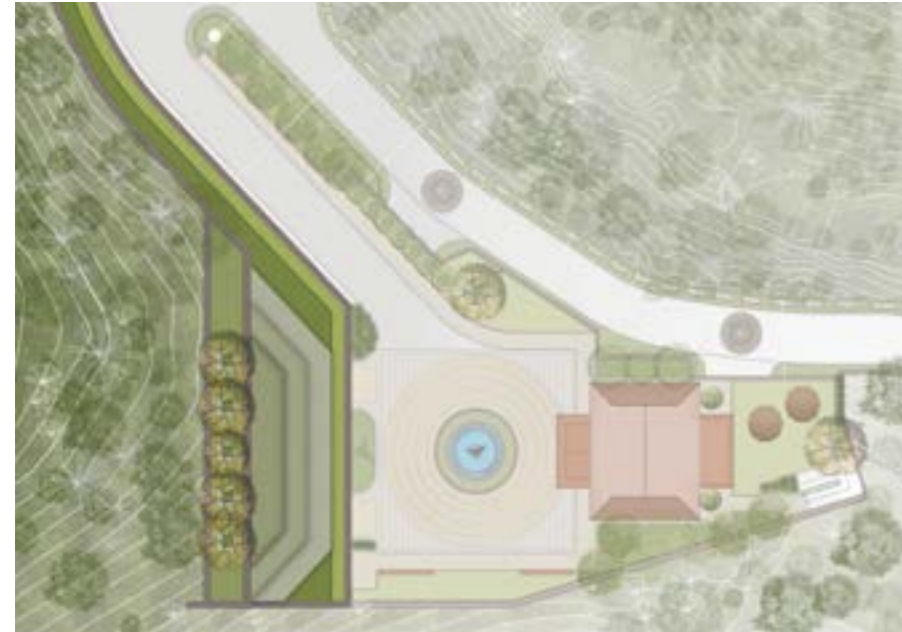
An enticing entrance to the wilderness, landscape ensuring a seamless transition between the manicured and wilderness.



Multi layering of plants in four layers from tall trees like deodar to small creepers planted in symmetry.



Orchard terraces filled with herbs and orchard trees, increases the aesthetics



Terrace level



Green terrace with sittings at back of the transfer lounge is a must after a long drive.



To offer guests a unique dining experience, design will include multiple outdoor dining areas.



A central outdoor fire place will be incorporated.



Strategically placed to take advantage of scenic views, natural sunlight, and gentle breeze creating a pleasant ambiance

All- Day dining Block

Gateway to wilderness



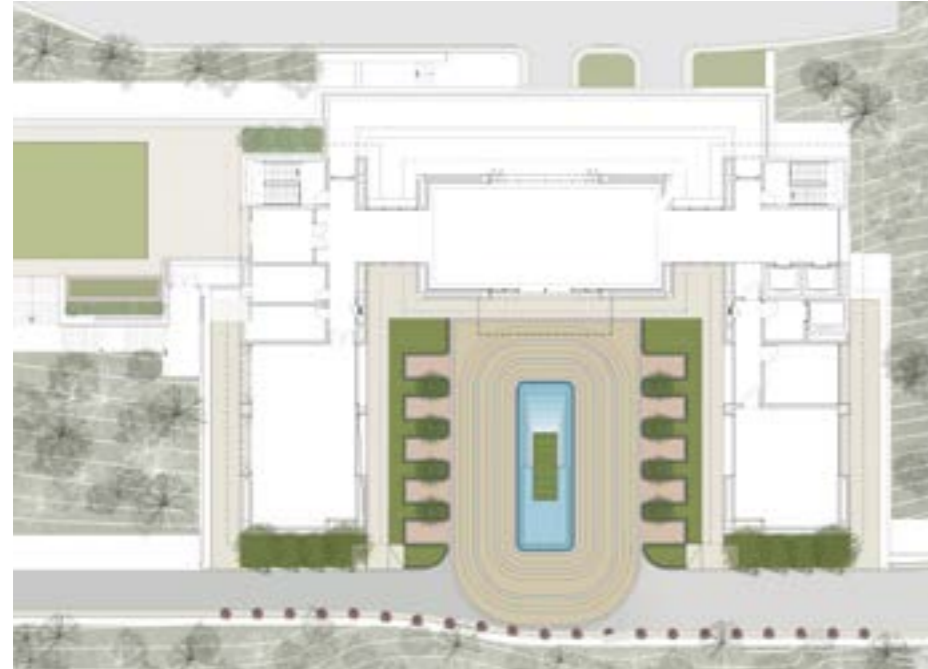
Terrace level



Ground Level

Banquet Block

have two drop offs, one is occasional from the lowest level and the other is the main drop off area from the 5th level.



Level 5 Plan



Level 6 Plan



Featuring a striking combination of fire and water elements which will create a sense of warmth and comfort.



Green terrace with sittings at back of the transfer lounge is a must after a long drive.



Cascading water feature, carefully selected tree in the middle, enhancing the visual interest and providing a natural touch.



Banquet area with the backdrop of Wilderness and Mountains.



Fire Pit with seating encourage social interactions and provide guests with a very cosy spot to relax



Perfect for enjoying starry nights and cool mountain evenings.



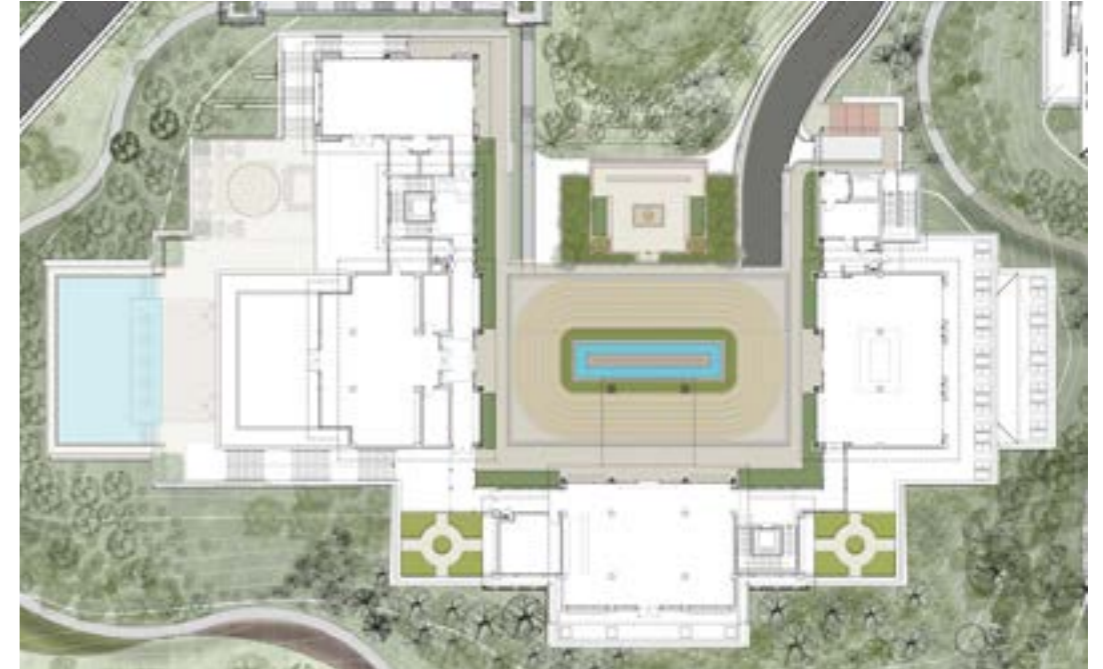
Outdoor infinity pool, blending seamlessly with mountain backdrop, allowing to bask in the beauty of the surrounding



Occasional Drop off (banquet block)

Main-Arrival Block

End of the Journey



Ground floor



-1 floor

02

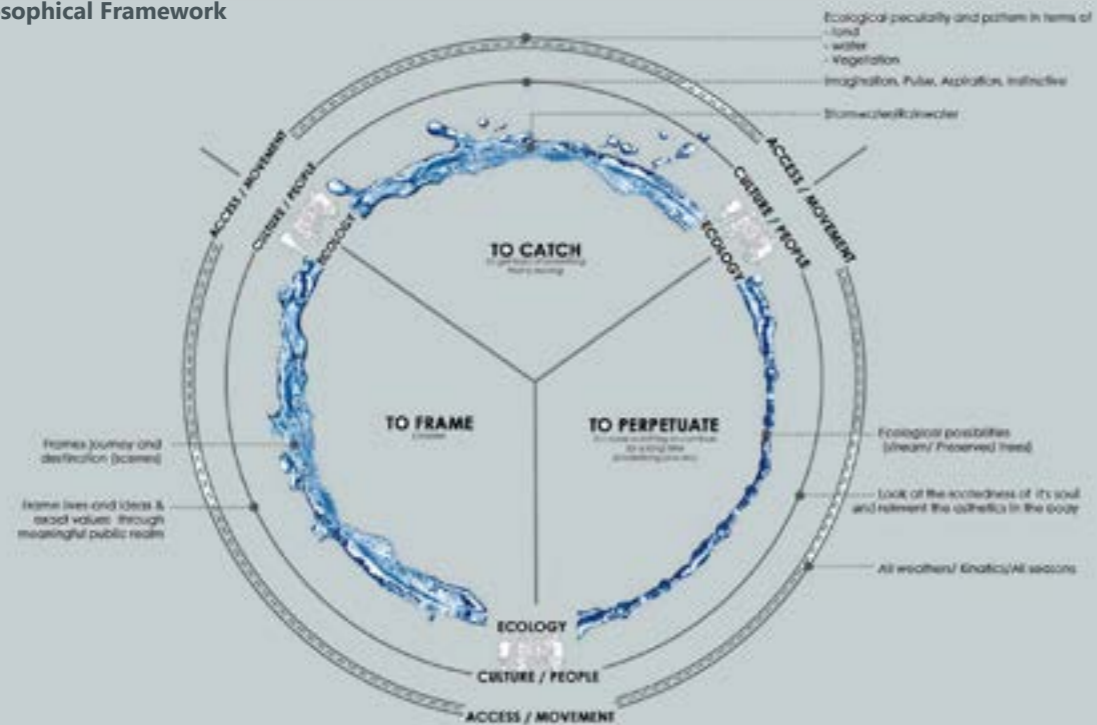
Godrej Imagica Township

Khanav, Maharashtra

Design Head | Oracles Landscape Design Studio

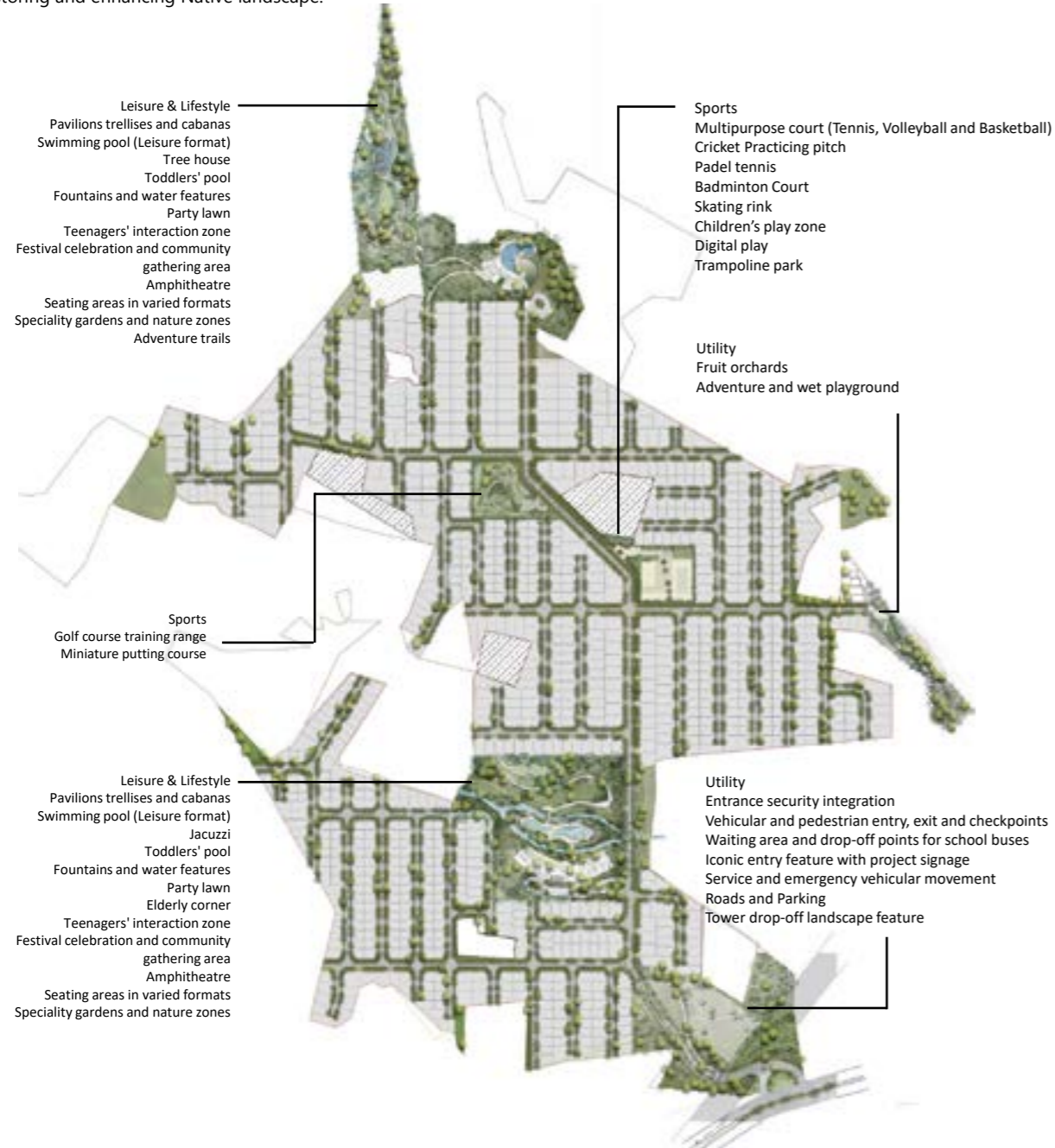
Exploring geometry to order outdoor space is not an end in itself. It is not merely a tool to bring about a collection of banal physical realities. Rather, the design is replete with age-old Indian world view of nature, culture and landscape, looking to explore the joy of mountains, rivers, vast agrarian plains, landscape vistas and cultural responses to landscape such as pavilions, formal gardens, ghats, space markers or minarets and orchards; all explored with their essence wrapped up in a contemporary body.

Philosophical Framework



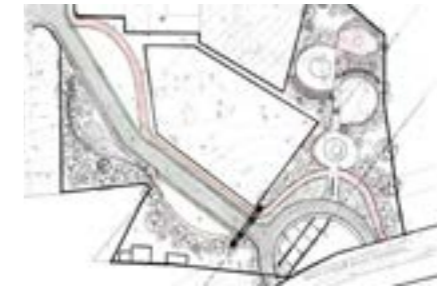
Site-Plan

Restoring and enhancing Native landscape.



Entrance Experience

The final design considers aesthetics, functionality, safety, and traffic flow while providing an enchanting experience for all who enter.



The vision for a captivating entrance that seamlessly transitions from a meandering road to a straight road. By combining elements of grandeur, landscaping, the design aims to create an unforgettable entrance that reflects the essence of luxury living and fosters a sense of belonging among the residents.

Leisure and Lifestyle, Club house Landscape

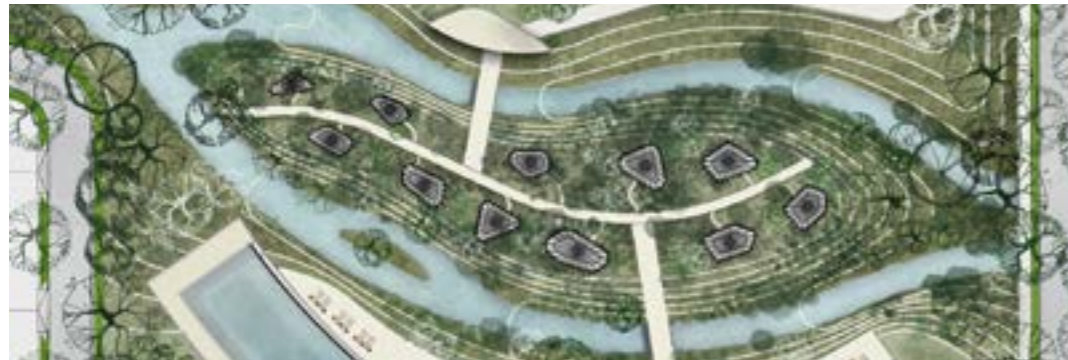
Features a unique designs nestled between two natural streams, and interactive spaces including trellises and seating areas



1. Vehicular Drop-off
2. Parking
3. Water features
4. Deck Overlooking streams
5. Bridges
6. Island in pool
7. Swimming pool
8. Kids pool area
9. Trellis
10. Trails
11. Banquet lawn
12. Senior citizen garden
13. Amphitheatre
14. Multi-purpose lawn
15. Machan

Option-2, Experiencing wetlands.

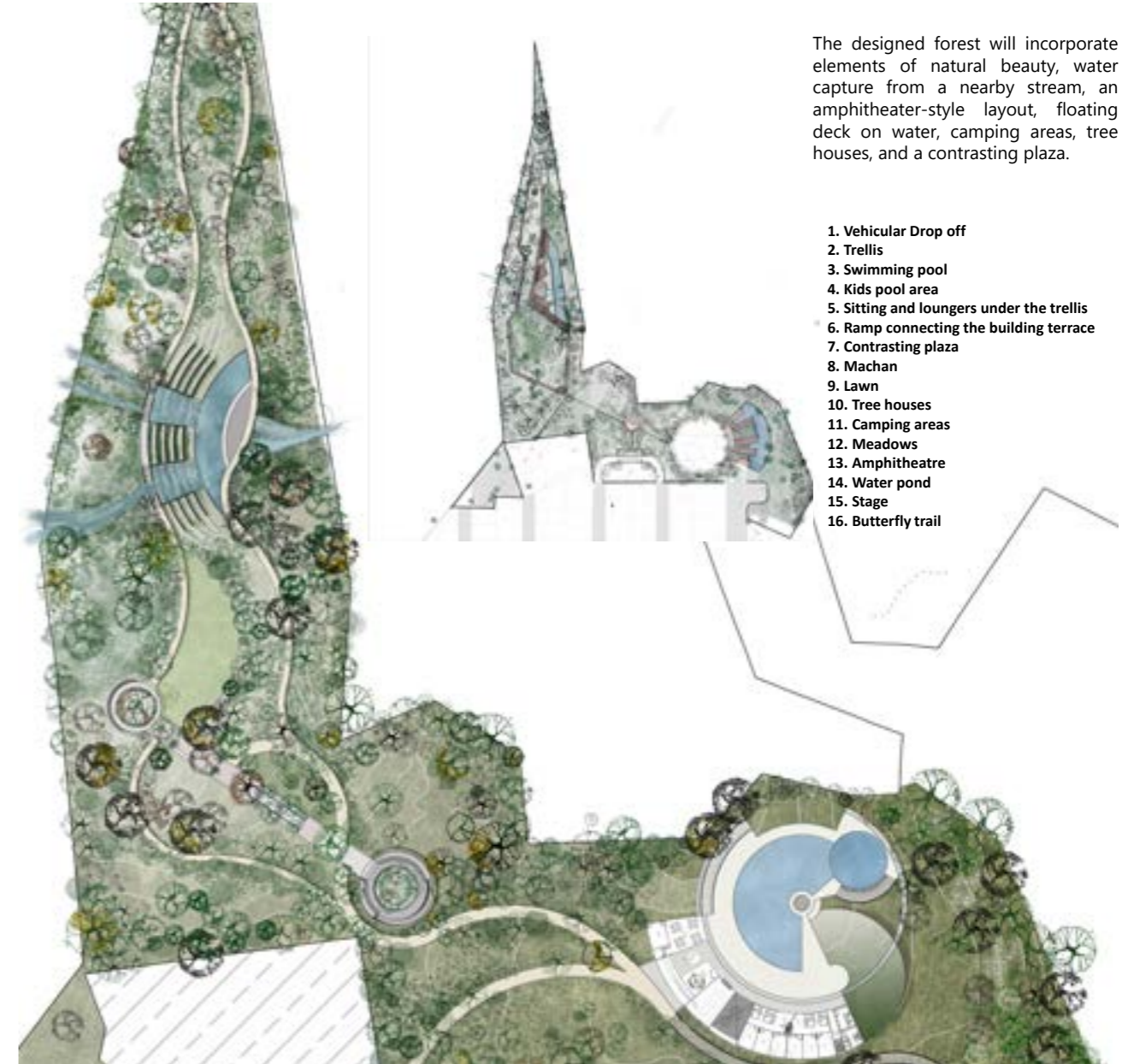
Restoring and enhancing Native landscape with the Boardwalk and sitting.



1. Vehicular Drop off
2. Parking
3. Infinity pool
4. Deck
5. Bridges
6. Boardwalks
7. Island retreat
8. Tropical forest
9. Trails
10. Amphitheatre
11. Banquet lawn
12. Machan
13. Senior citizen garden
14. Kids play area
15. Lawn

Leisure and Lifestyle , Miyawaki forest

Immersive and multi-functional environment that offers a harmonious blend of nature, recreation, and distinctive experiences.



The designed forest will incorporate elements of natural beauty, water capture from a nearby stream, an amphitheater-style layout, floating deck on water, camping areas, tree houses, and a contrasting plaza.

1. Vehicular Drop off
2. Trellis
3. Swimming pool
4. Kids pool area
5. Sitting and loungers under the trellis
6. Ramp connecting the building terrace
7. Contrasting plaza
8. Machan
9. Lawn
10. Tree houses
11. Camping areas
12. Meadows
13. Amphitheatre
14. Water pond
15. Stage
16. Butterfly trail

03

Golf Meadows Godrej City | Panvel Maharashtra

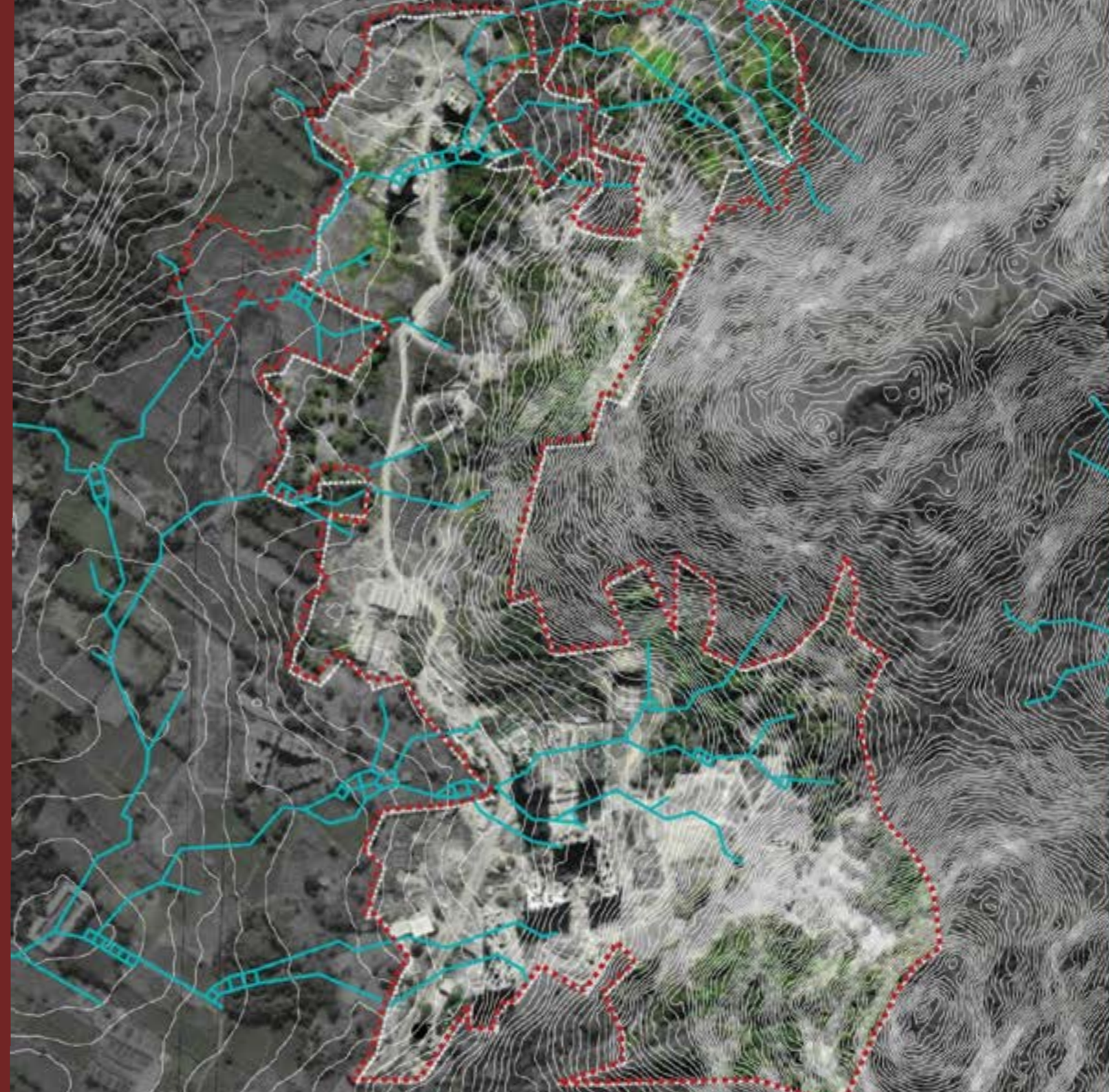
Design Head | Oracles Landscape Design Studio

Godrej city lies on a plateau which sits at the eastern edge of the spur of Karnala and faces the valley between Prabalmachi and Karnala. These two sporadic hilly formations become regional landmarks that eventually rise to become the Western Ghats.

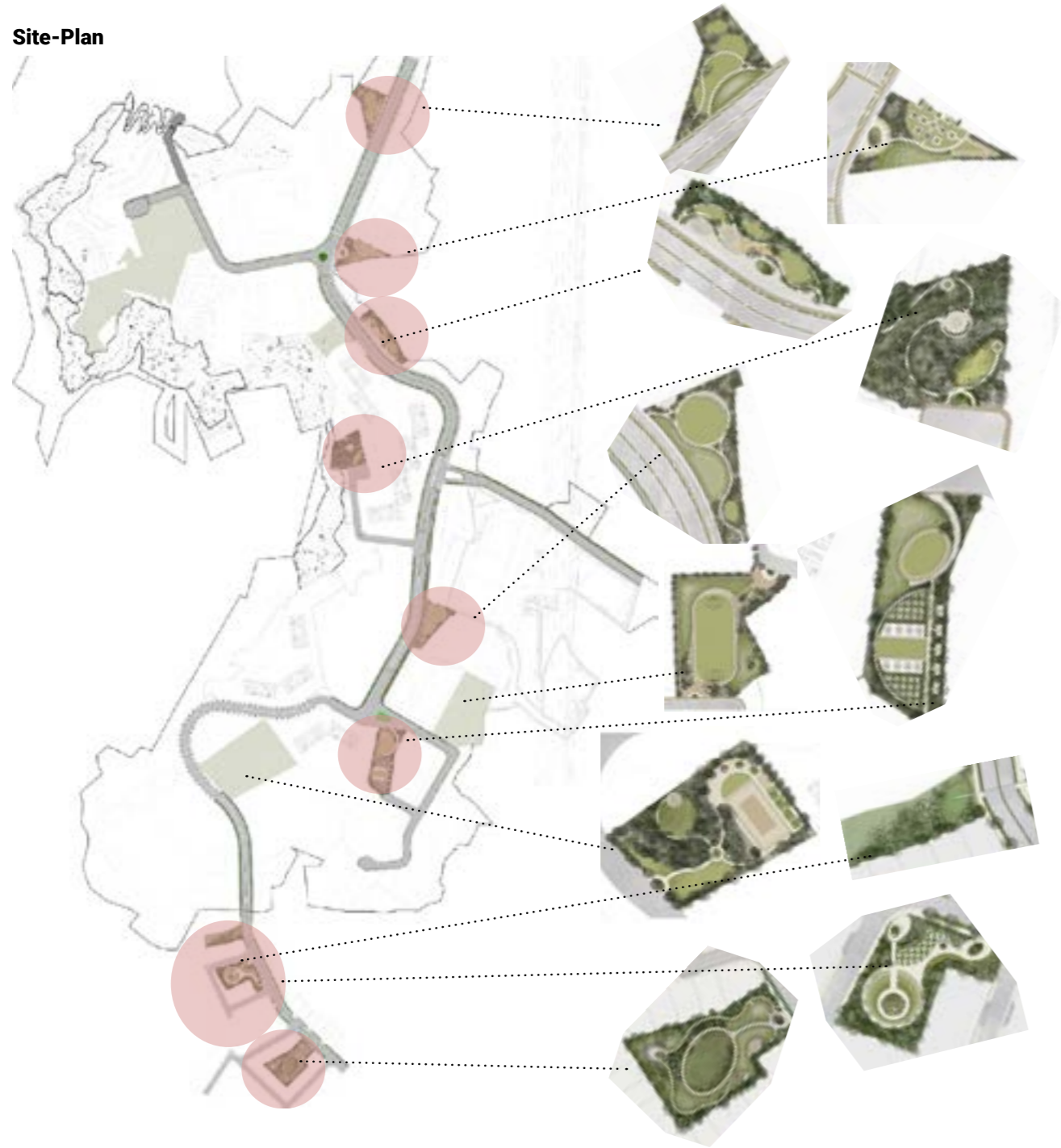
The site is also a high tableland that slopes down towards the Panvel Creek and meets the Arabian Sea.

Streetscape + TLPG Areas (Scope of work)

- Entrance experience with park.
 - Public Plaza
- Skating Rink with inorganic kids play area
 - Entrance to golf meadows
- Meditation Area and Work Pods
- Commercial Garden + Festival Court
- Community Space + Sports Court
 - Club House landscape
 - Playground Area
- Entrance to plotted Development
 - Senior centric Park
 - Children centric park



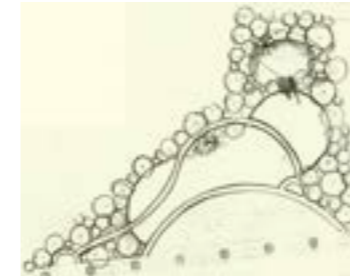
Site-Plan



Park at Entrance

Aiming to create a lasting impression on visitors and serve as a cherished space for our residents

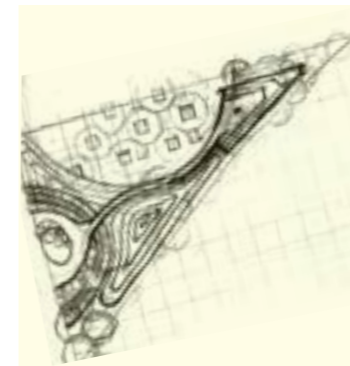
- 1. Entry
- 2. Exit
- 3. Primary Trail
- 4. Dense Vegetation
- 5. Recreational Lawn
- 6. Stepping Stones
- 7. Seating under the Trees
- 8. Mounds



Commercial hub Oasis

Offering a multifunctional space, design seamlessly integrate with the surrounding commercial areas.

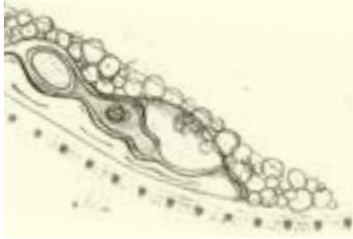
- 1. Entrance Plaza
- 2. Primary Trails
- 3. Secondary Trail
- 4. Dense Vegetation
- 5. Recreational Lawn
- 6. Miniature Amphitheatre
- 7. Picnic Mounds
- 8. Seatings under the Trees



Roadside Oasis

Vibrant and dynamic space, offering an array of recreational opportunities and eye-catching features.

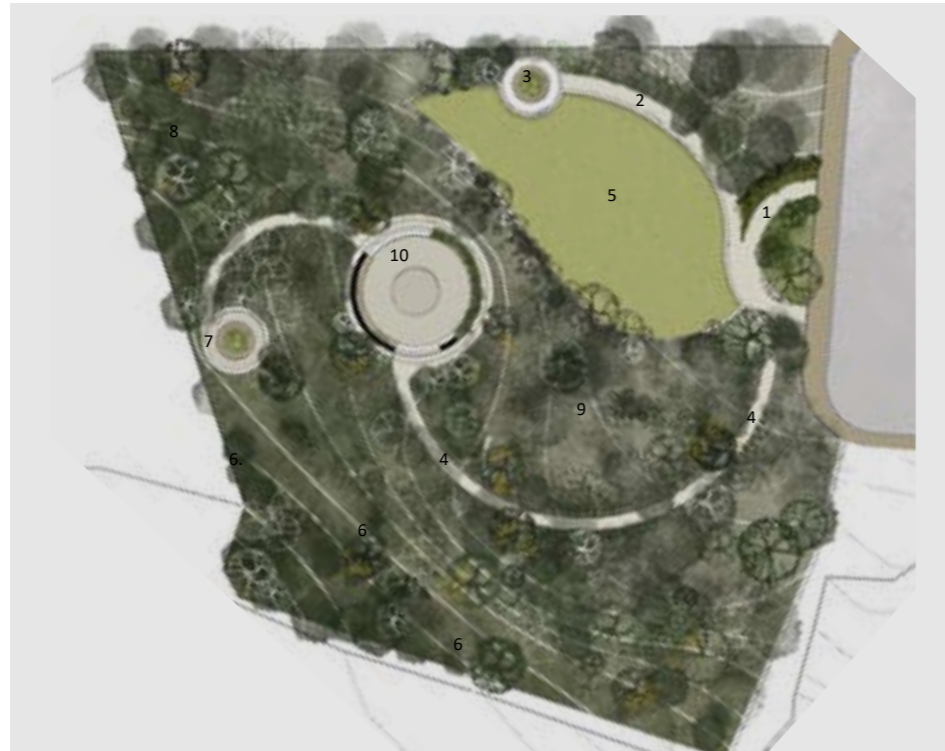
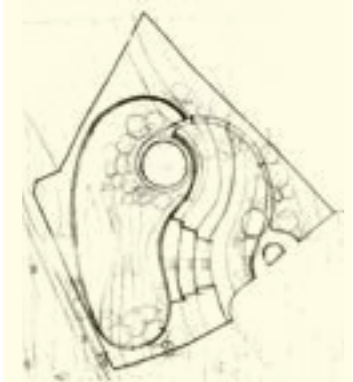
1. Entry
2. Exit
3. Skating Rink
4. Dense Vegetation
5. Recreational Lawn
6. Enclosed Lawn
7. Sand pit
8. Dancing Fountains
9. Green island



Tranquil Forest Haven

Poised to become a serene and rejuvenating oasis. The landscape design should respect the beauty of the forest.

1. Entrance Plaza
2. Primary Trail connecting the Machan
3. Lower Machan
4. Secondary Trail
5. Enclosed Lawn
6. Tree House
7. Upper Machan
8. Dense Forest
9. Less Dense Forest
10. Meditation Area



Farm to Table Haven

Envisioned as a vibrant and inclusive community space where residents can dine, engage in organic farming, and participate in cultural events.

1. Entrance
2. Straight Trail
3. Mounds
4. Seatings
5. Enclosed Lawn
6. Organic Farming
7. Outdoor Dining
8. Dense Vegetation
9. Barbeque Spaces
10. Herb Strips
11. Trellis



Product launch/ Family hub

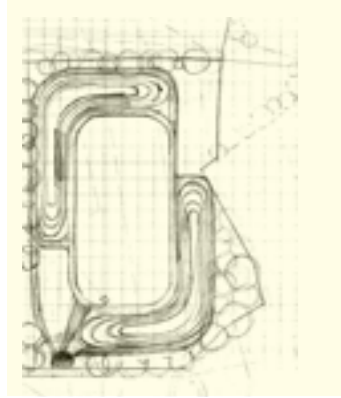
Versatile venue for product launches and park for families.

1. Entrance Plaza
2. Primary Trail
3. Mounds
4. Recreational Lawn
5. Trellis
6. Seating
7. Kids Play area in the Enclosed Lawn
8. Stepping Stones
9. Dense Vegetation



Playground Area

The School Football Playground: Organic Seating Oasis aims to provide students with a vibrant and inclusive space for physical activity and social interaction.



Active Living Hub

The community park is designed to be a dynamic and inclusive space that encourages physical activity and enhances the overall quality of life for residents.

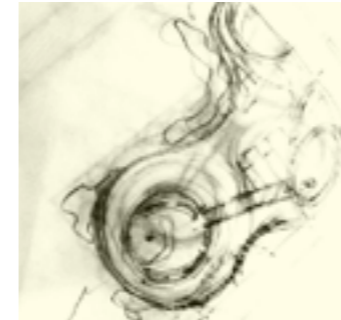
1. Multi-purpose court
2. Amphitheatre/ terraces
3. Machan in forest
4. Meadow
5. Lawn
6. Kids play area
7. Adventure trail



Senior Citizen Centric

A serene and accessible environment for elderly residents to enjoy nature, engage in gardening, and promote sustainable agriculture practices through organic farming.

1. Organic farming
2. Orchards
3. Mounds
4. Seating area
5. Community spaces
6. Meditation area
7. Urban corner
8. Flower beds



Children centric

Organic-themed play area. The goal is to provide an engaging and safe environment for kids of all age.

1. Entrance
2. Primary trails
3. Playing trails
4. Mounds
5. Seating area
6. Tunnel
7. Sand Pit
8. Hammocks
9. Treehouses
10. Open air theatre
11. Sensory Play area



04

A Riparian Territoriality | Water plus Developing water commons along the forgotten stream.

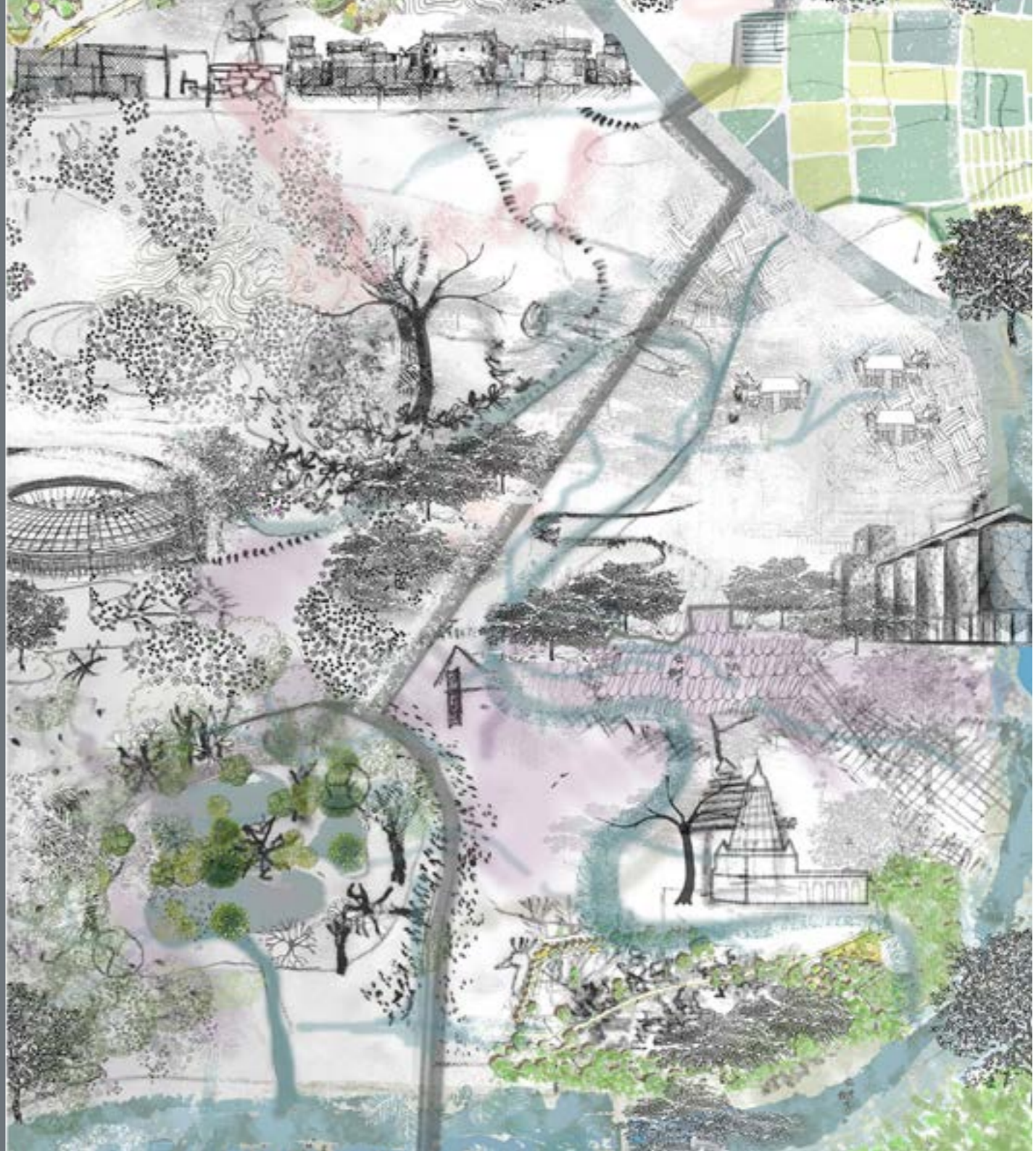
Gandhinagar, Gujarat

The design develops a systematic approach for planting urban forest trails from the metro station plaza to the river with management strategies that improve the physical and ecological conditions of the degraded urban streams, irrigation needs, and stormwater improvements.

A forest in a city...how could that be?"

The project produces an aggregate of all community vegetation and green spaces that provides a myriad of environmental, health, and economic benefits for a community". Thus, it acts as a valuable asset at both a regional hydrologic level as well as a local ecological level. The findings of the Urban Forest analysis demonstrate a rich, yet imperiled urban forest and riparian environment which can stimulate new research and public interest. The strong intent of protecting and restoring the stream results in the creation of a dense forest trail in the middle of the city. bringing back native plant species that have been lost over time would help the forest thrive and strengthen its ecological balance. The idea of the walkway is to get people to visit, understand and be a part of the ecosystem. Thus the creation of a system of capture, preservation, and restoration establishes a water commons in an urban accolade.

View
Additional work



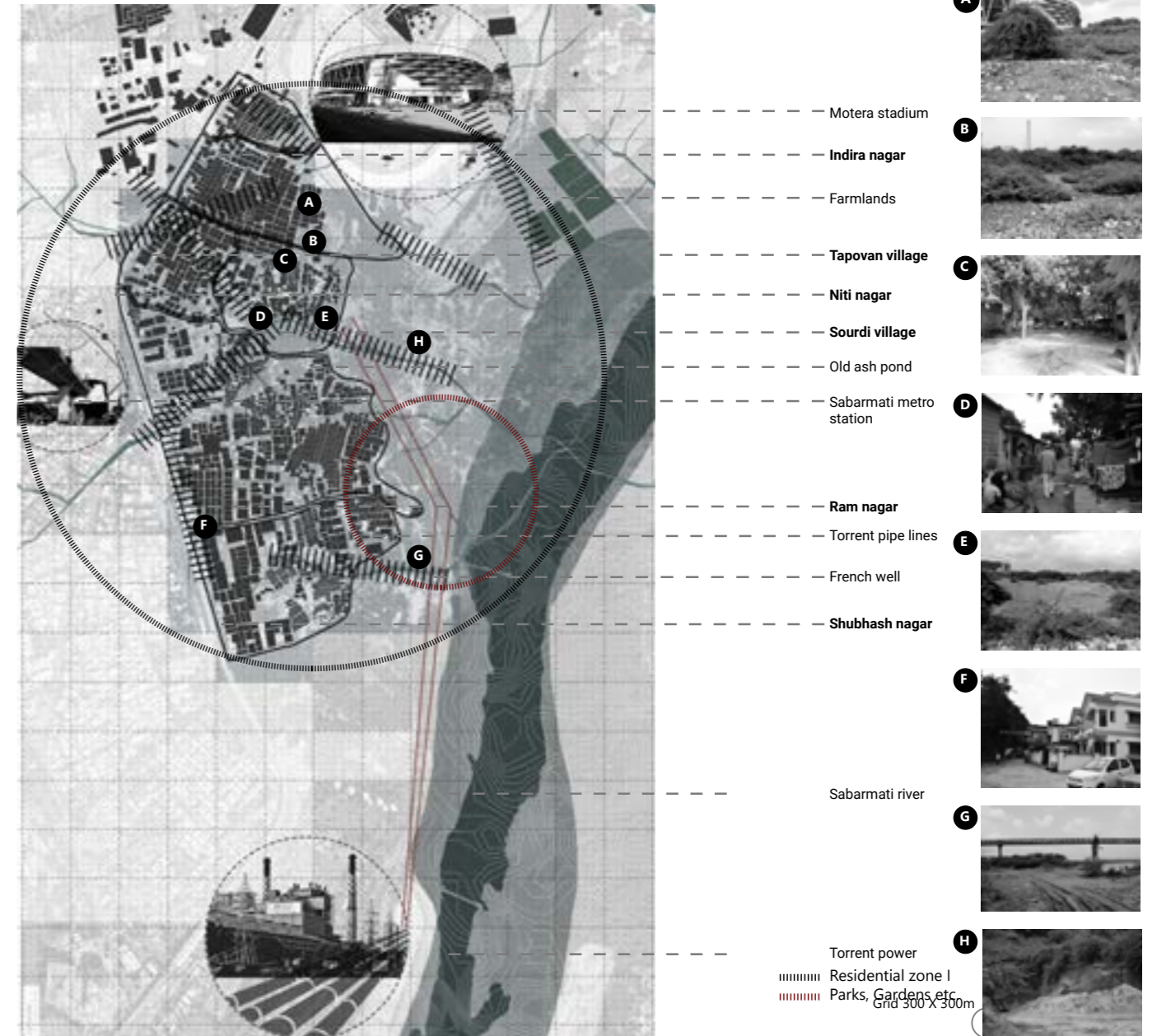
Reading Systems

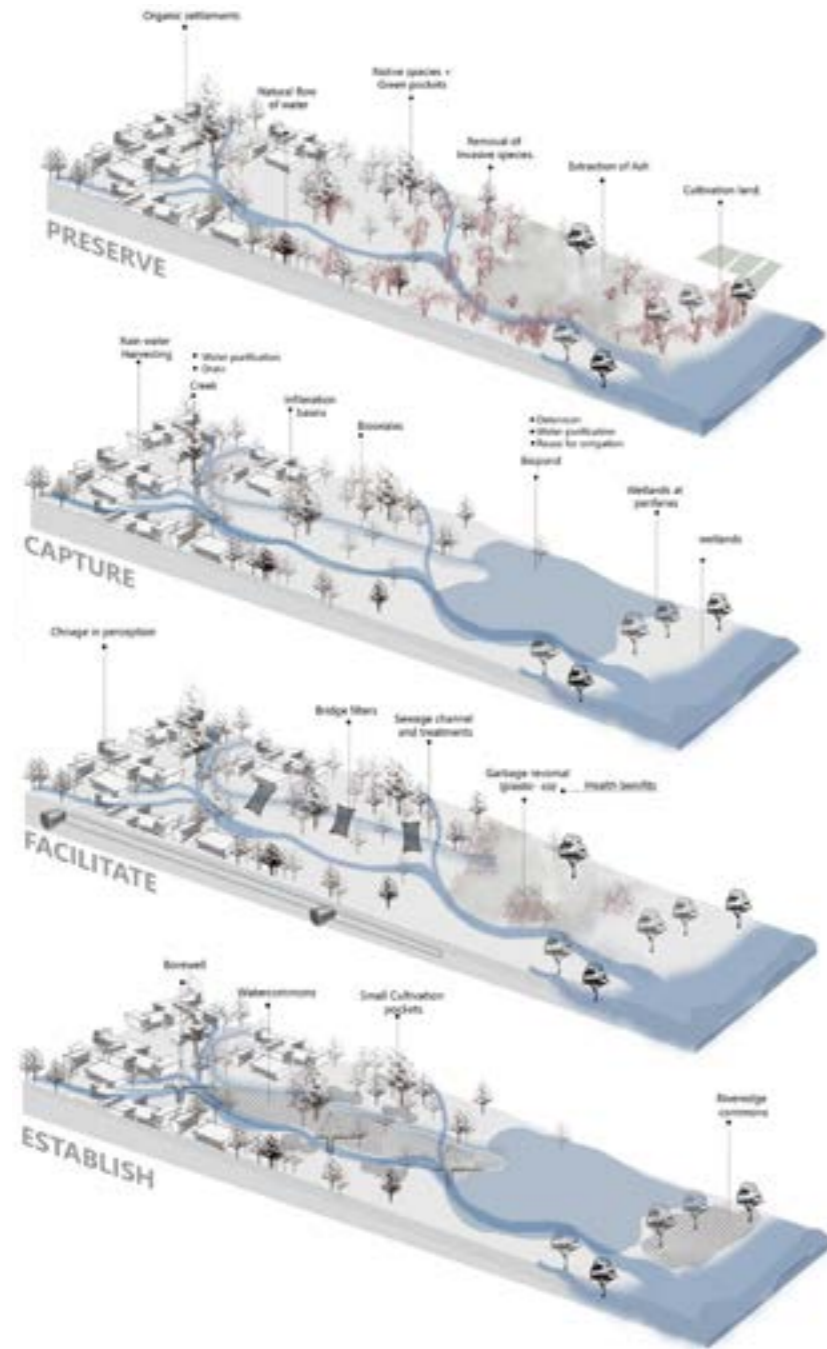
Relationship between Land and Water



Problems and Dynamics of the site

Understanding the layers





Vision & Strategy

The project aims to create a sustainable ecological hub with the prospect of delivering a water positive connotation to an existing neglected urban village.

It aims to preserve the urban village, making it self sufficient by evolving a water cycle strategy based on extraction, collection, replenishment, cleansing and distribution of water in various stages to complete the ecological and hydrological cycle.

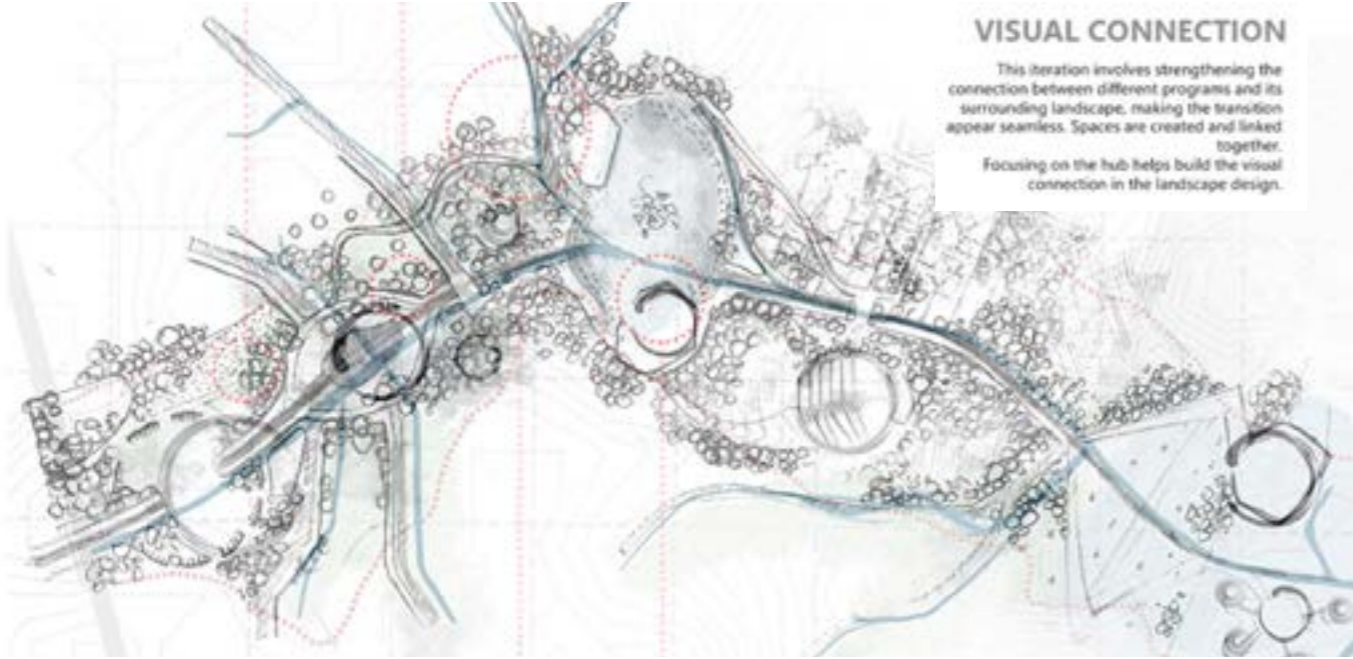
Through it's idea of creating hubs as water common, It aims to enhance the value of accessible clean water, thus reinforcing the notion of water positivity for a better future.



Programming and Conditioning

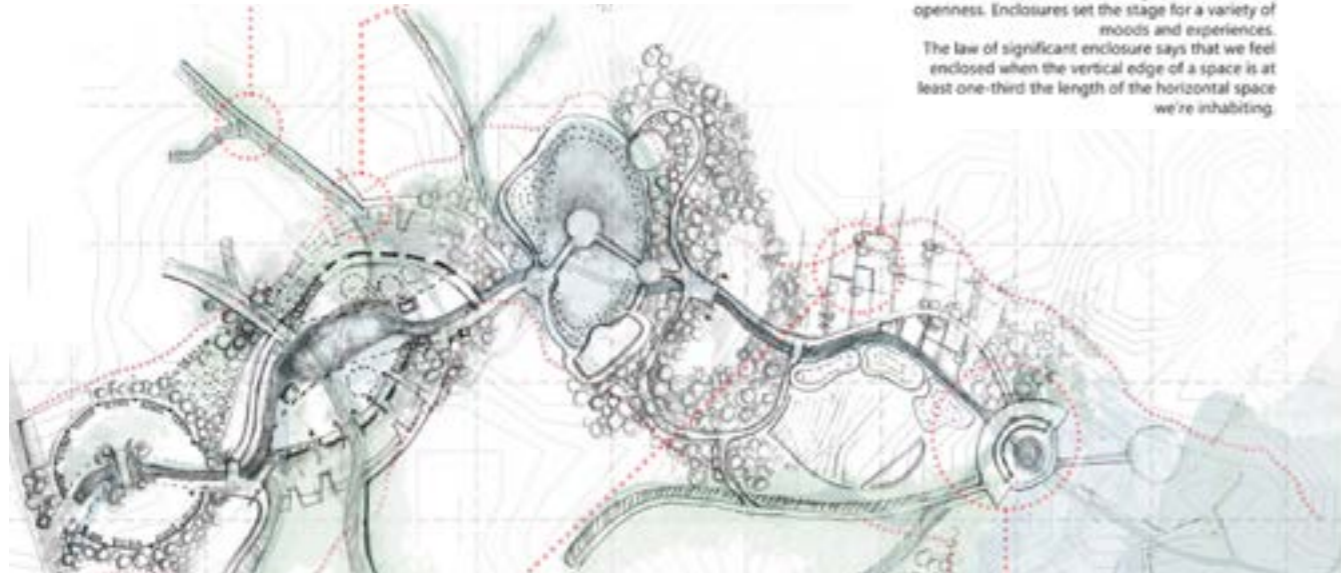
VISUAL CONNECTION

This iteration involves strengthening the connection between different programs and its surrounding landscape, making the transition appear seamless. Spaces are created and linked together. Focusing on the hub helps build the visual connection in the landscape design.



ENCLOSURE

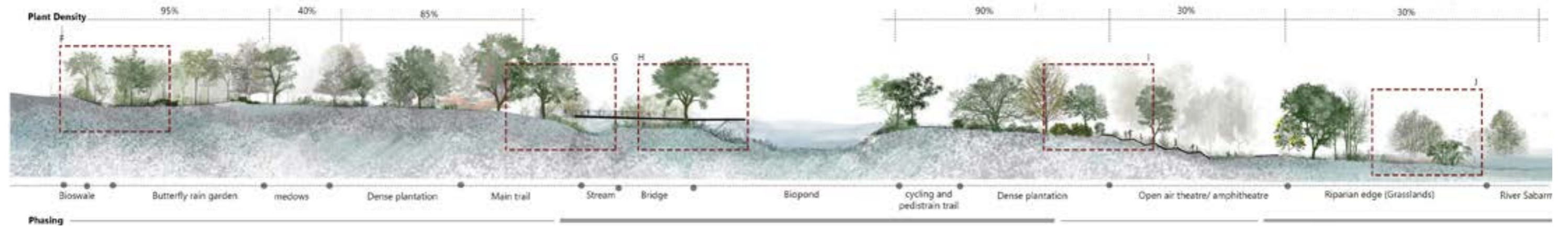
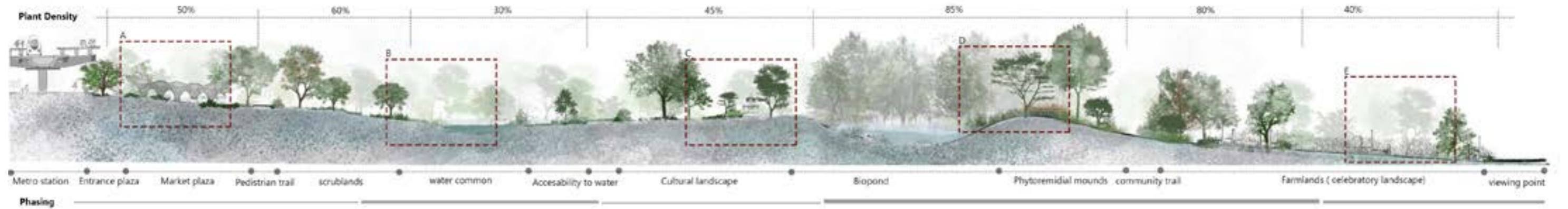
This iteration modulate a feeling of enclosure and openness. Enclosures set the stage for a variety of moods and experiences. The law of significant enclosure says that we feel enclosed when the vertical edge of a space is at least one-third the length of the horizontal space we're inhabiting.



Masterplan with site context.

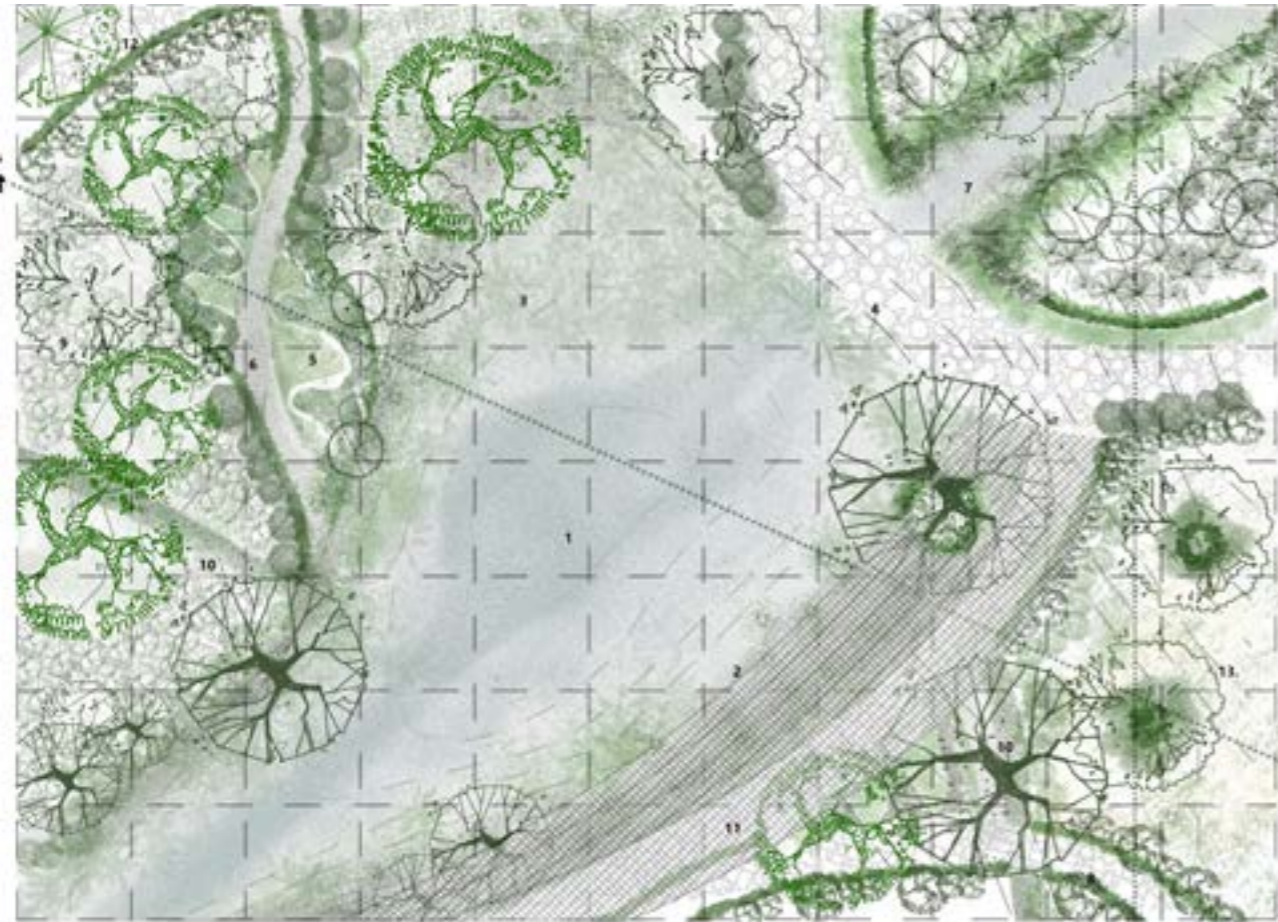


Masterplan sections
Phasing strategy and plant density



Local Context and Situation

Detailed Plan of Selected area (water common)

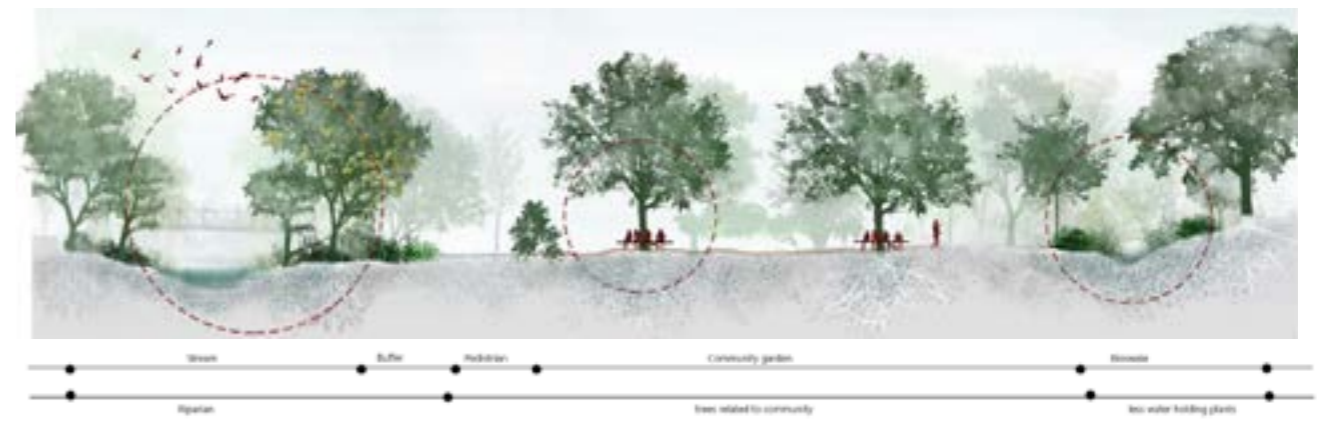
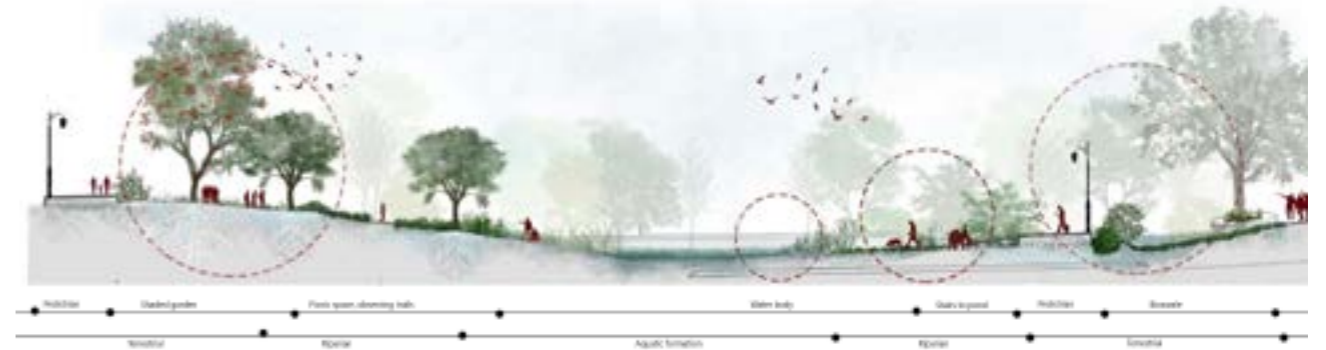


1. Water body
2. Sitting with water Accessibility
3. Natural edge
4. Bridge
5. Picnic garden
6. Observing trails
7. Stream
8. Community trail
9. Scrubland
10. Bioswale
11. Porous trail
12. Main trail
13. Rammed ground, often under trees

- Rammed trail
- Rammed path
- Stoney with grass in between
- Changeable stone paving
- Brick laid trail

- TREES**
- Persea parkii*
- Terminalia litoralis*
- Acacia saligna*
- Banksia sphaerocarpa*
- Acacia melanocoryna*
- Acacia saligna*
- SHRUBS AND HERBS**
- Leptosiphon*
- Platanus*
- Carex*
- Claytonia*
- Callistemon*
- Cyperus*
- GRASSES & AQUATIC PLANT**
- Alphacis*
- Pennisetum*
- Styphelia*
- Scaevola*
- Psychotria*
- Cyperus*
- Sorghum*
- Setaria*

Sections



Kinetics

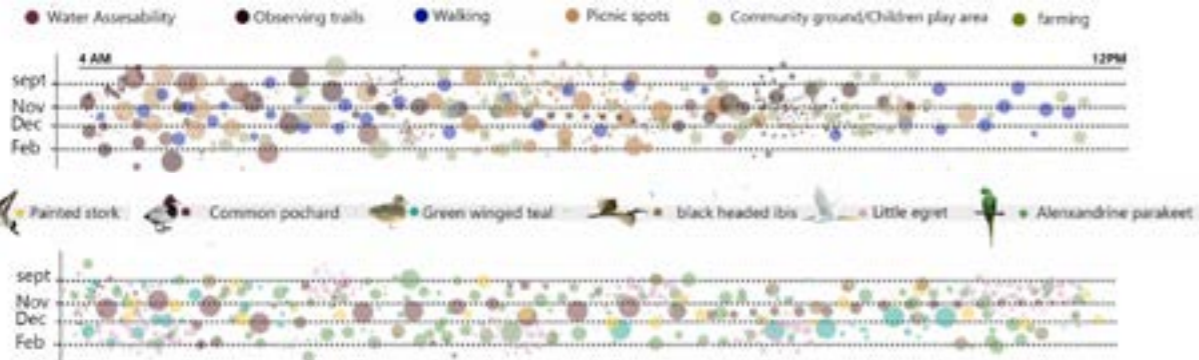
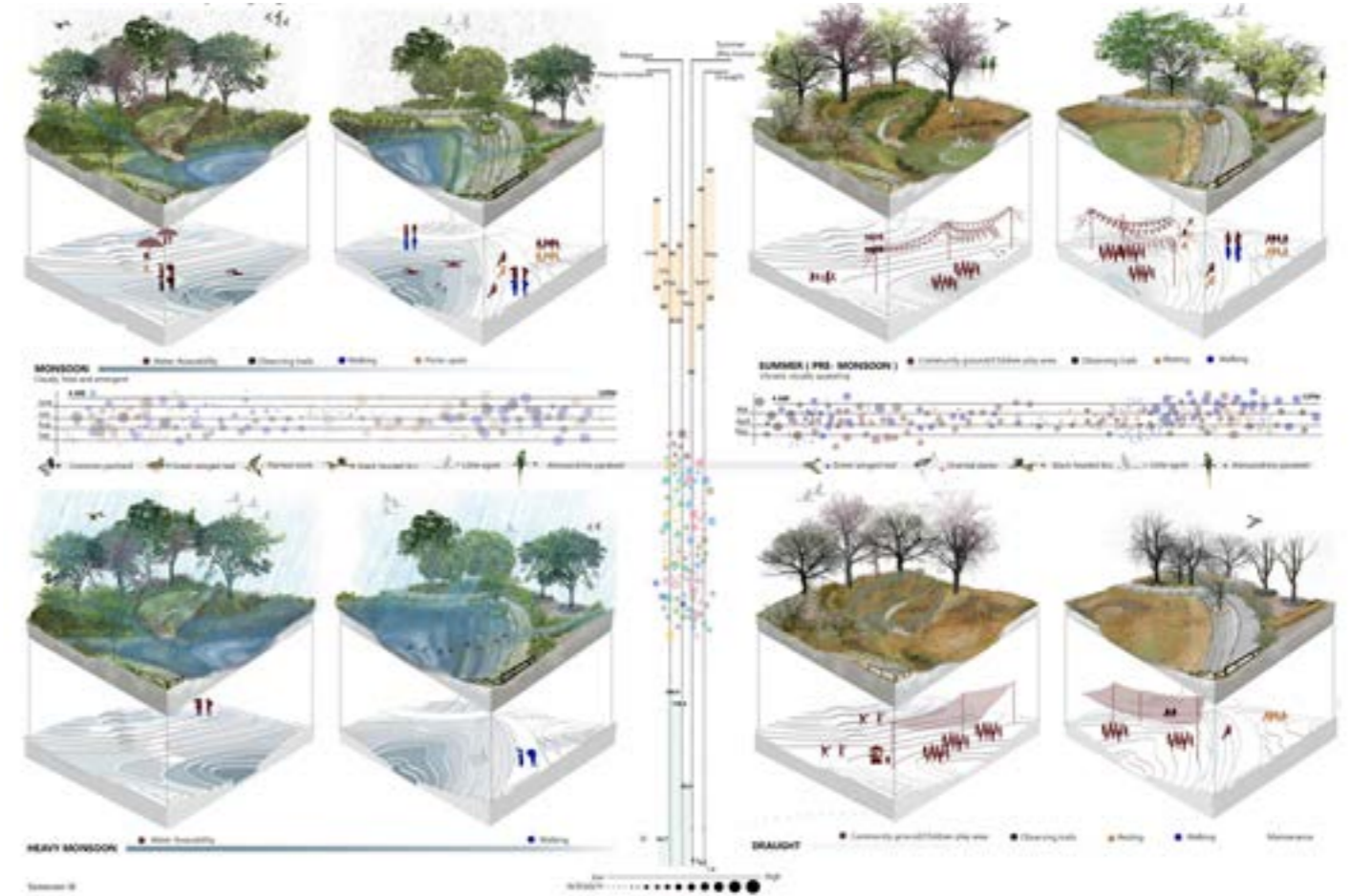
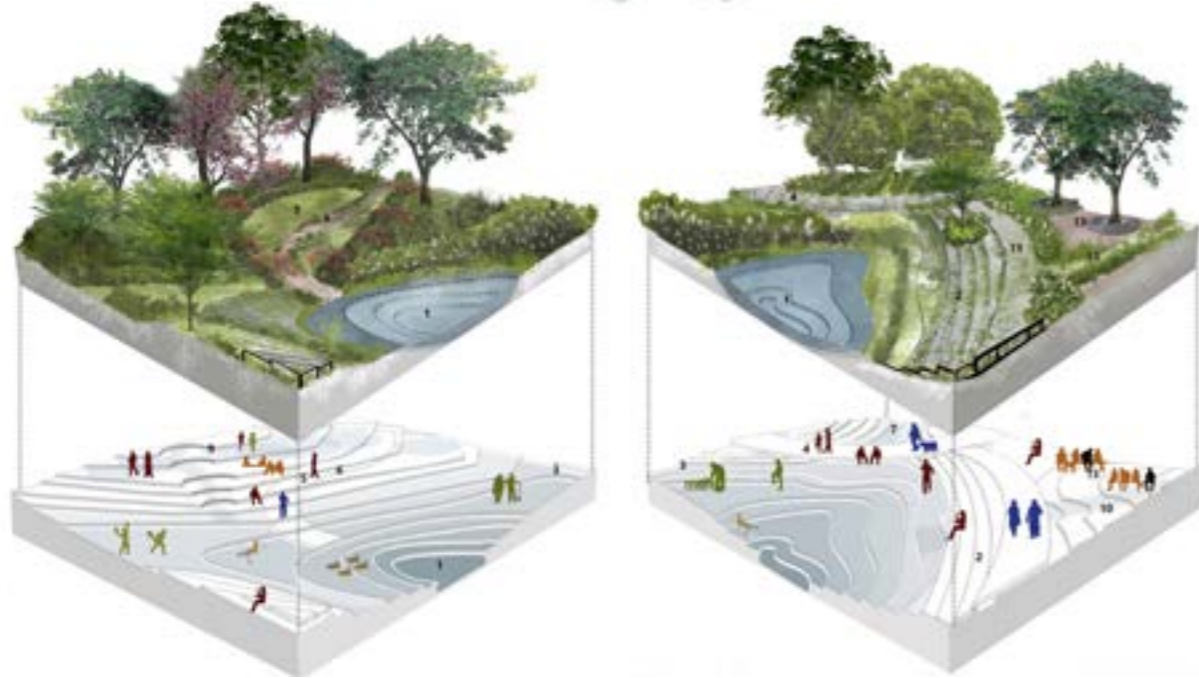
Demonstration of seasonality through vignettes

The space varies over seasons, but also transforms as per the events or festivals being held. On a daily basis the space may just be for circulation, exercise, etc. Once a week, it may host vegetable markets or shops, and on special occasions such as festivals, the space transforms into a ground for celebration.

The pattern shows the density of Community activity and the footfall on the site in different seasons. The birds and the density of the birds were also studied.



- | | |
|-----------------------|--------------------|
| 1. Water body | 8. Community trail |
| 2. Sitting with water | 9. Scrubland |
| 3. Natural edge | 10. Bioswale |
| 4. Bridge | 11. Porous trail |
| 5. Picnic garden | 12. Main trail |
| 6. Observing trails | 13. Rammed ground |
| 7. Stream | |



05

Weaving land with sea | Tracing lines

Re-activating the coastal edge, Rural studio

Dahanu, Maharashtra, India

The project starts by tracing the replacement of native flora species with invasive species. Invasive species are replacing native species where the native dynamic ecosystem of the coastal dunes is lost and the native ecosystem of mangroves is modifying. Similarly, globalization and urbanization induce changes have brought in shifts and modifications in the lives of people of this land-water transect. This is most evident in the replacement of values, things, and places of fishermen community of the coastal village, Zai. One such aspect is the loss of meanings attached to small social spaces along the coast. The coastal erosion, shift in occupations, and new build infrastructure such as embankments and coastal roads have enhanced this shift.

The project tends to acknowledge and re-activate the social spaces along the coast. Social spaces (knots) are identified by overlapping and comparing daily activities, mobility, common areas, and associated meanings of the fisherman's community now and then.

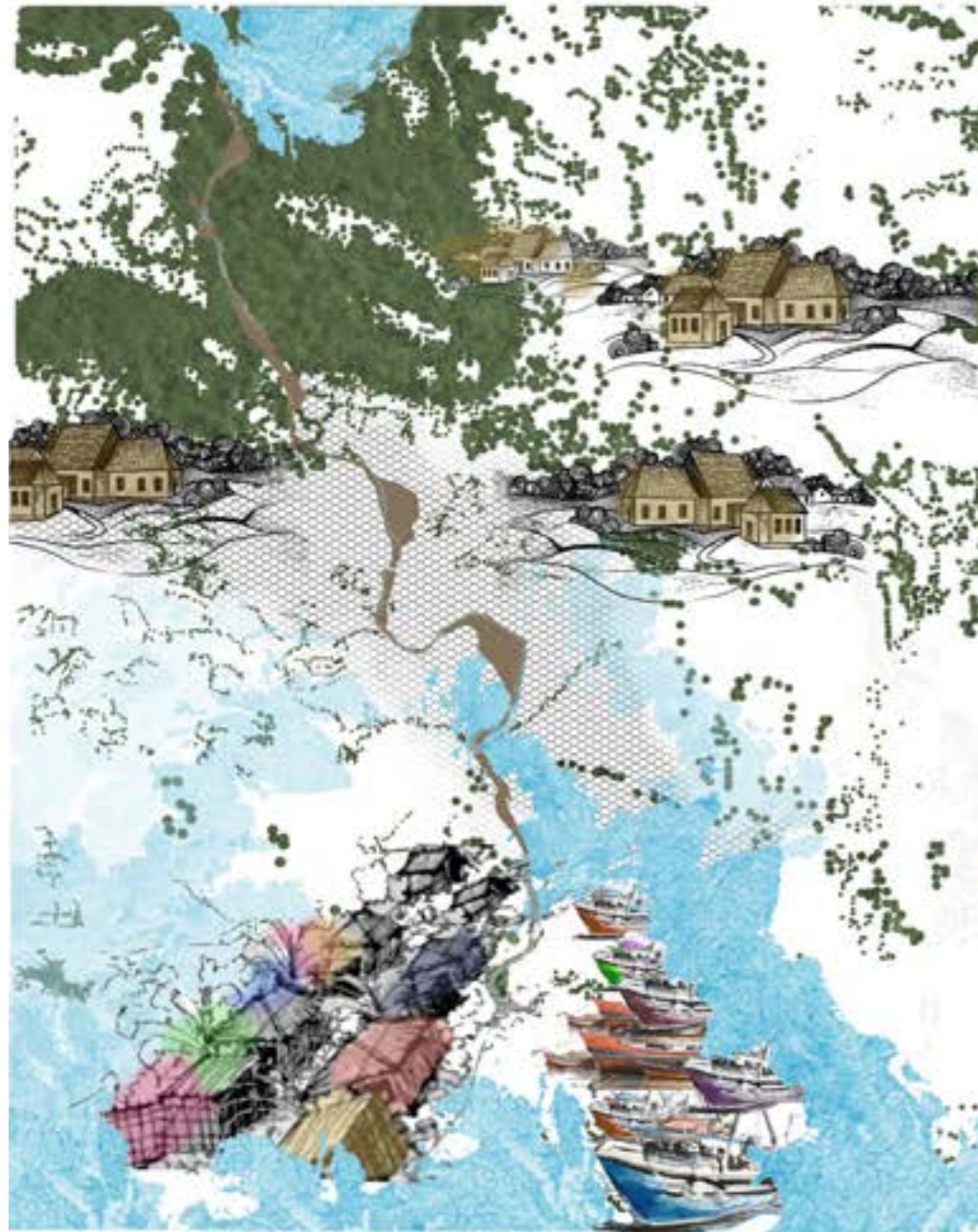
The project tries to weave lost associations using collective memories using spacial inserts. The program carefully knots together the memories and their associated elements from culture and landscape to the existing coastal edge in a sensitive manner. It explores the native edge of sand dunes, beaches, and settlements as a series of small spacial inserts. These inserts range from a place for a community gathering near the existing community kitchen to small play structures inspired by fish drawing and net structures to a more natural edge to the sand dunes. It also re-shifts and places the fish market in its previous informal organization and character.

View
Additional work



Tracing threads

Weaving of land and sea



Towards Land

Moving from the foothills of the Western Ghats to the coastal area, the green blending to the blue; from the rolling hills to the flat coastline; all around me were verdant meadows from nucleated earthen colour settlements to the linear colourful contrast settlements; Palm trees were waving to us, presenting their warm welcome.



Towards Ocean

The first sight didn't fail its duty of captivating me. Two parallels towards the ocean, one by the water and another through the fish market.



Fish Market

A cacophony of noise, bargains being struck left and right, the fish market stands, swarming with continuous waves of people. A spray of salty water, a whiff of the smell of blood, an odour of fish and sweat all inundate the air, conquering people's noses but in contrast the fisher women's philosophy for making work, fun was an inspiration.



Scene 1

The seashore looked like a bleak landscape. The water was so far away and the soft sand to dig my toes into was missing. The breeze though, was unexpectedly rejuvenating. It had the tang of the sea that was most pleasant.



Scene 2

The Seashore suddenly turned dark and violent the tides were starting to get higher.



Scene 3

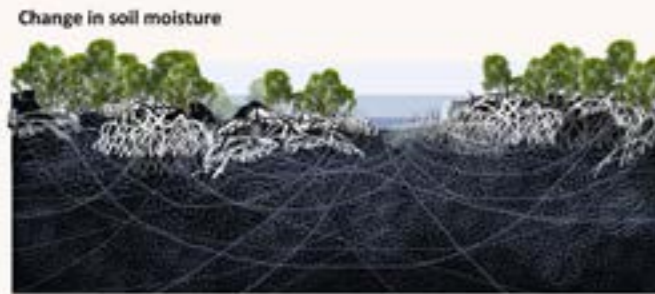
The next day, I went out on the beach early in the morning. I saw a small girl and I started following her going towards some rocks. The sand was washed clean by the last night's tide and no one had walked on it except the birds that fished along the coast – gulls, curlews and sandpipers.

Tracing Replacements

Native v/s Invasive Vegetative species

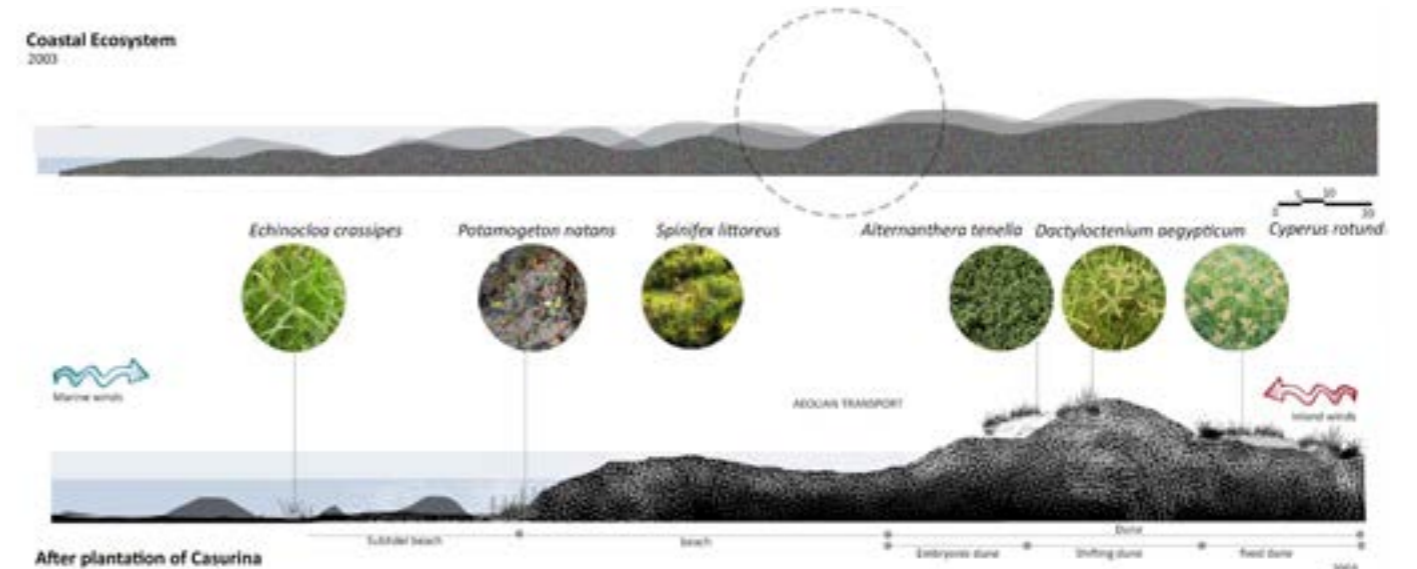


INFERENCES



Coastal Ecosystem

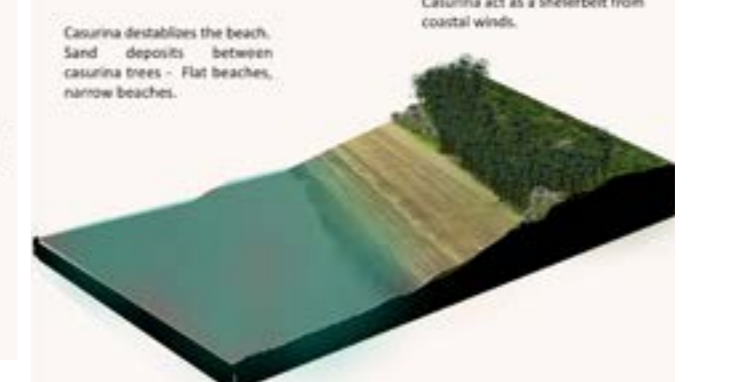
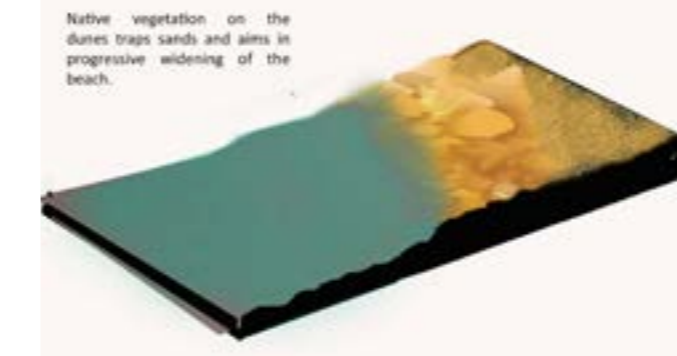
2003



After plantation of Casuarina



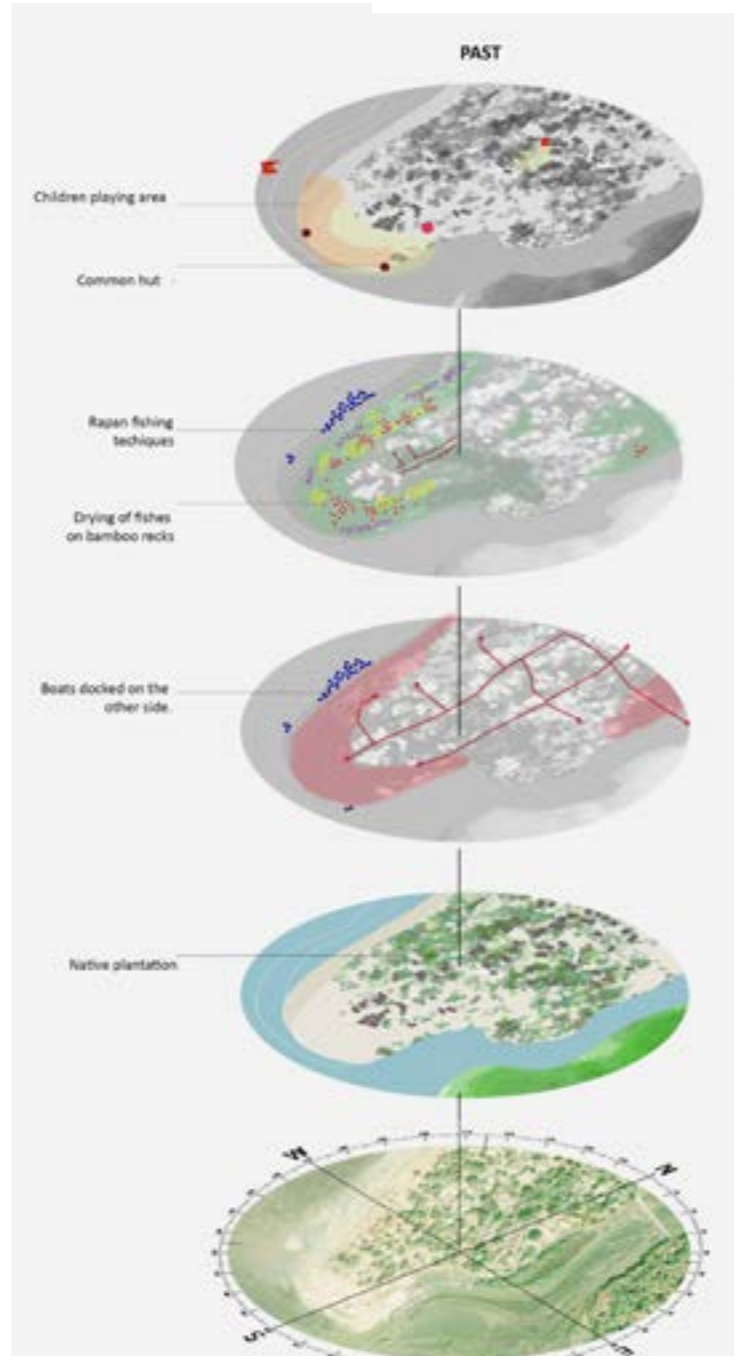
INFERENCES



Identifying the knots

Social spaces and associated meaning of the fisherman community

TRACING PAST CONDITIONS

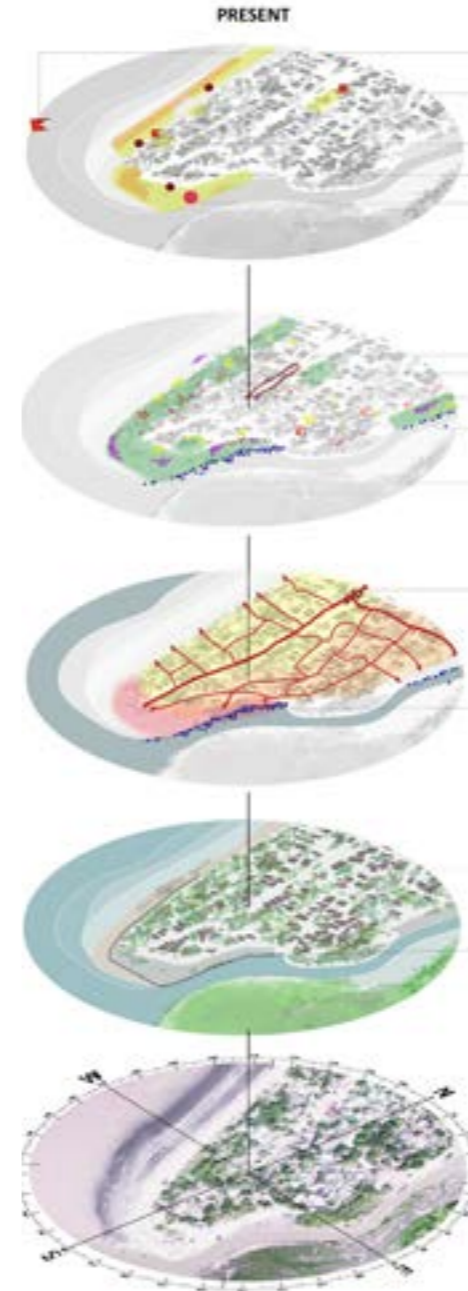


- Common spaces for celebrating festivals
- Religious temples
- Children playing area
- Crematory
- Common huts

- Public spaces
- Evening fish market
- Untangling and repairing of nets
- Fish drying
- Net making
- Docked fishing boats

- Auto stand
- Docked fishing boats
- Road Network
- Macchipada
- Magalapada
- Common space for both communities

- Houses
- Beach sand
- Hardscape
- Trees/Green Patches
- Sea/Creek
- Mangroves



- Hatthi Mata rocks
- Shree ram mandir
- Common hut
- Hatthi Devi mandir
- Crematory

- Repairing of nets
- Net making
- Evening fish market
- drying of fishes
- docked boats

- Auto stand
- docked boats

- Rocks
- Retaining wall to stop water

RECORDING CURRENT CONDITIONS



Masterplan
Existing conditions



- A**
- prosopis juliflora
 - casurina equ.
 - lantana camera
- B**
1. Ram mandir
 2. Hatni mata mandir, community cooking
 3. Evening meeting
 4. Fish market
 5. potential condition to
 6. design concrete jetty, work
- C**
- pakka roads
 - kaccha roads
 - Proposed roads
- A + B + C**
- Community gathering, cooking space, parallel to temple
 - community gathering, commons children play area, open gym
 - fish market
 - fish drying area
 - gardens
 - untangling and repairing nets,

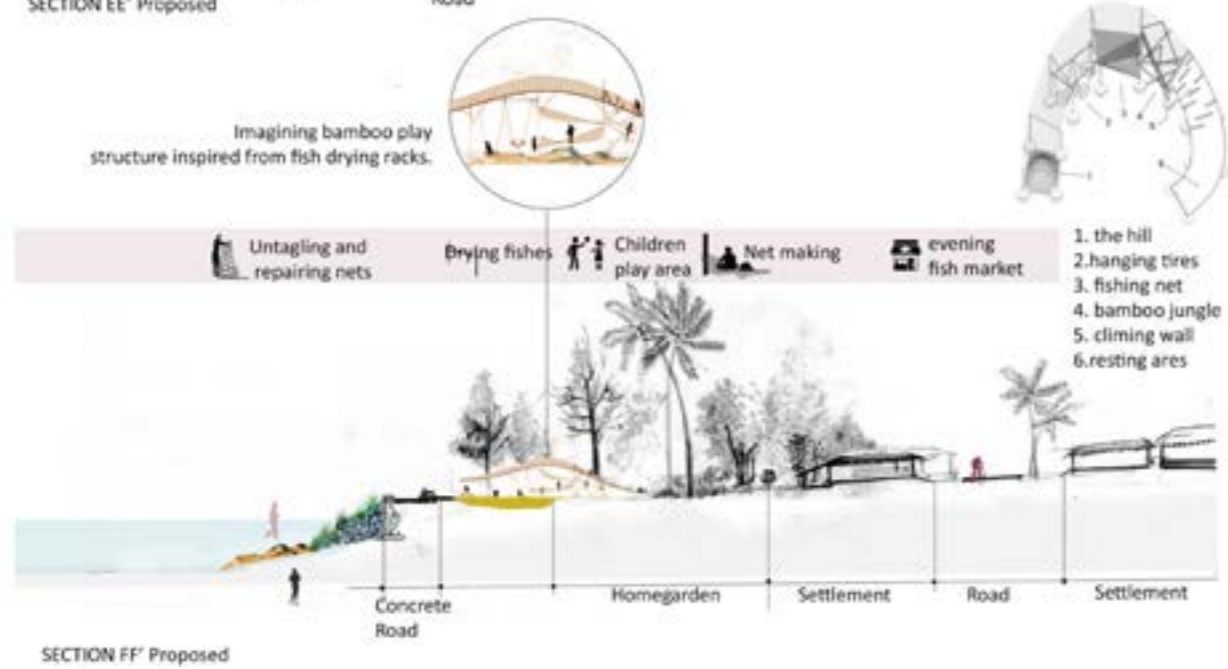
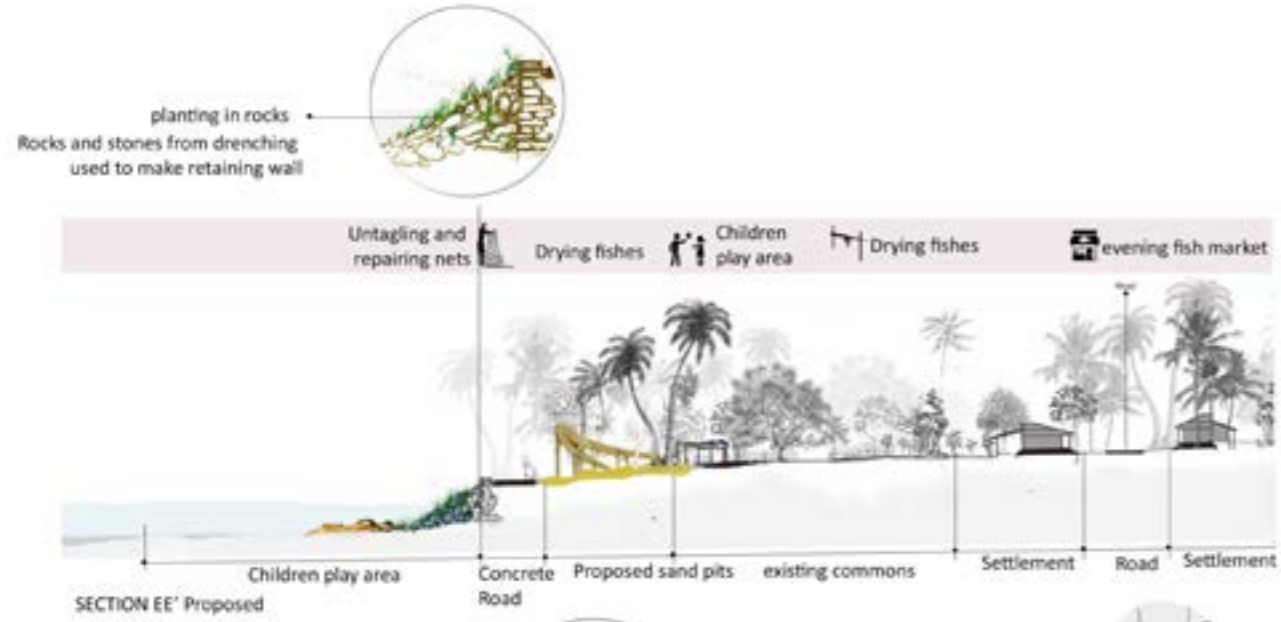
Design process



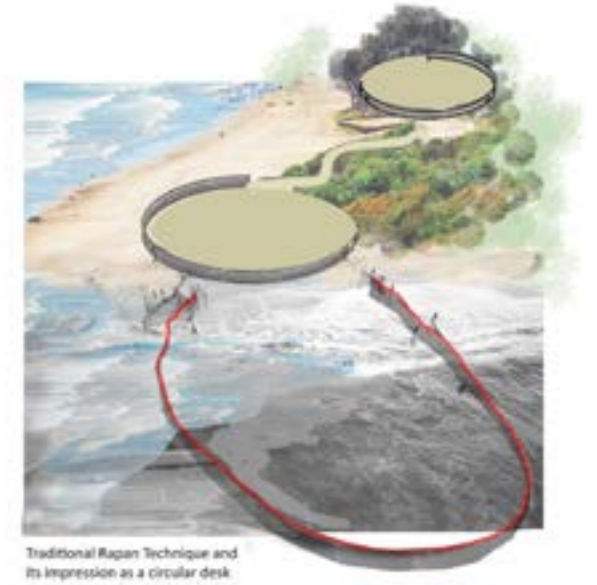
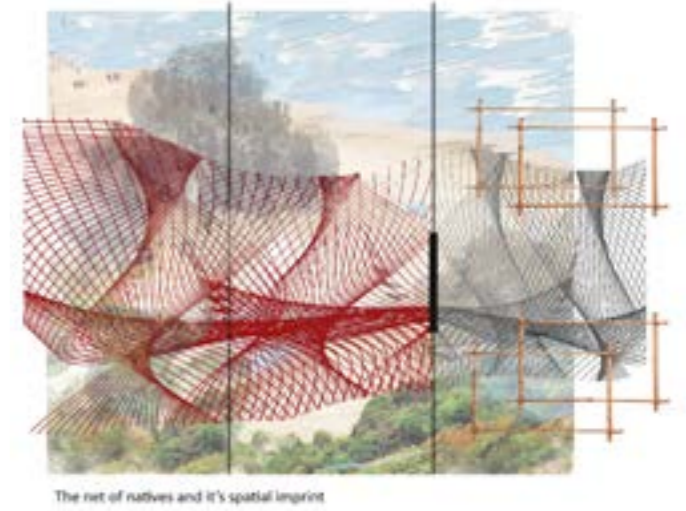
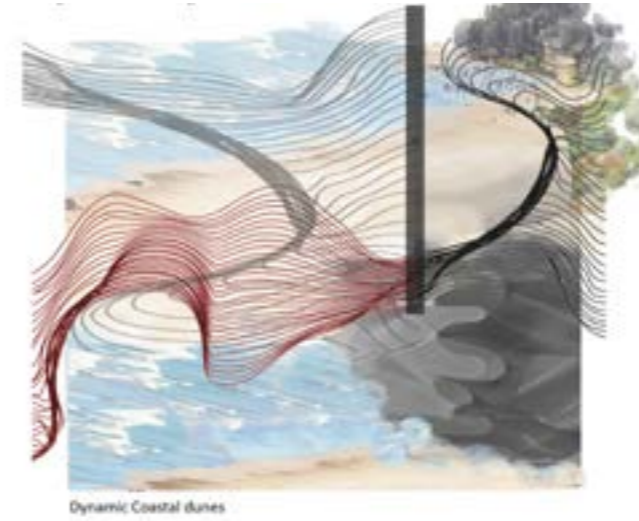
Proposed Masterplan
Existing conditions



Proposed Sections



Re-imagining Lost spaces and associations Through Editic montages





View
Additional work

06

Through dappled lights of sal forest | One forest

Jim corbett, Uttrakhand, India

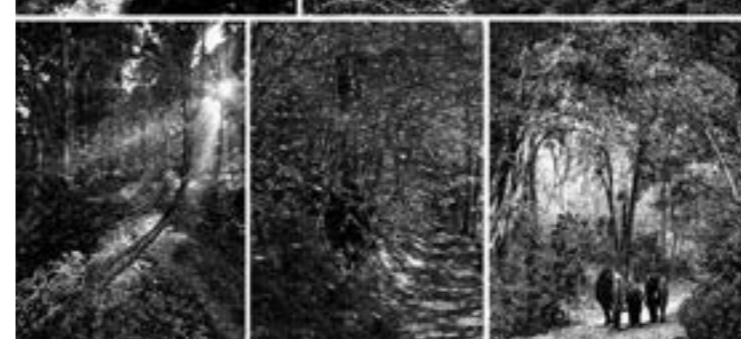
The forest in the foothills of the Shivaliks, evolves through the trails of dense forests to open forests, this entire stretch is dominated by Sal trees. The gregariousness of Sal forms the dynamics of forest which is always in transition and changing constantly. With the help of the spectral signature of Sal trees, the landscape patterns of the occurrence of Sal were decoded in terms of the light passing through the different typologies. Sal forests occur in association and consociation based on climatic conditions, Location and inter-specific exchanges. Shorea robusta (Sal) is the Charismatic tree of its biome which grows in different characters in different conditions which further effects the other species in the forest.



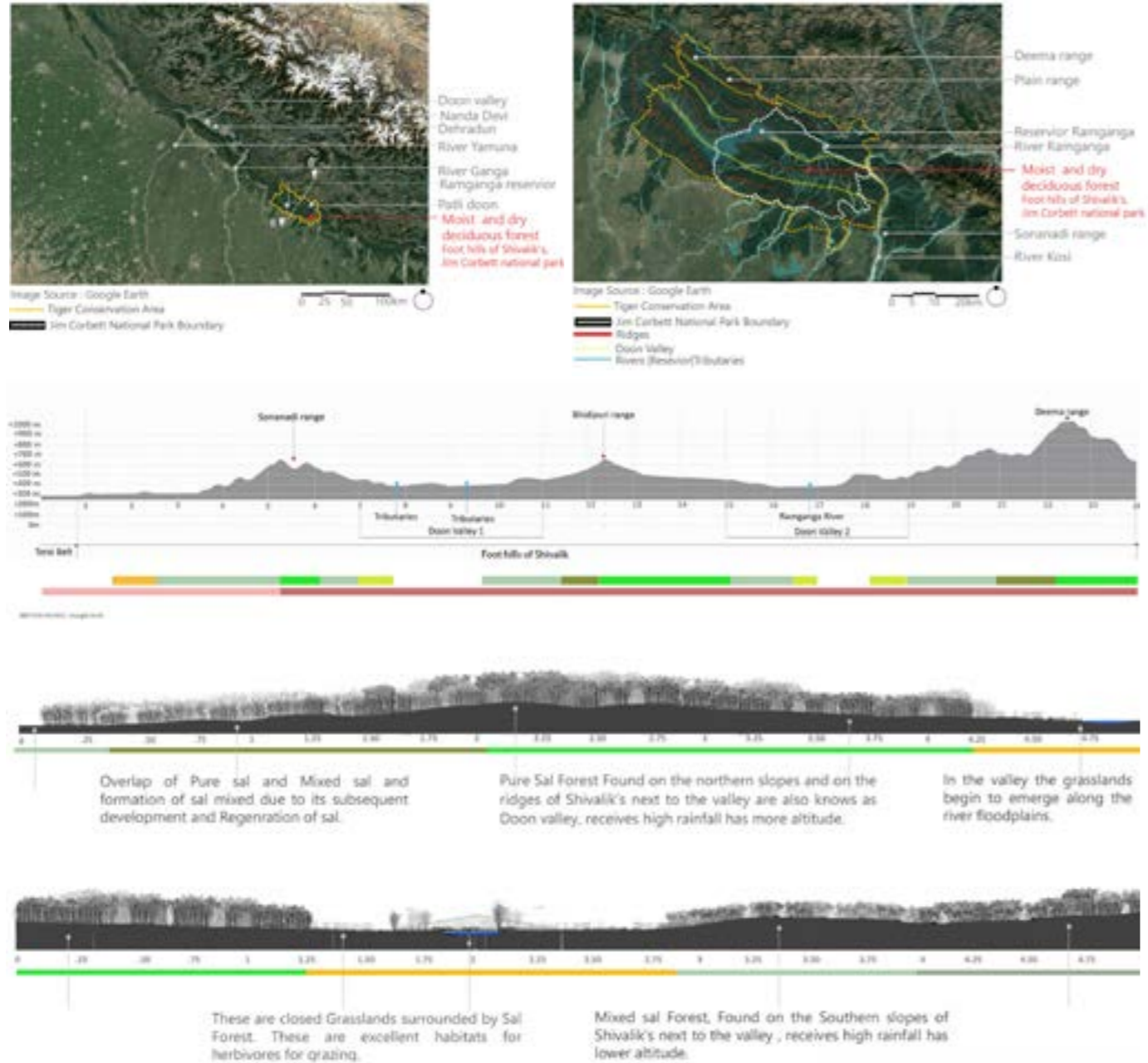
JOURNEY Through dappled lights



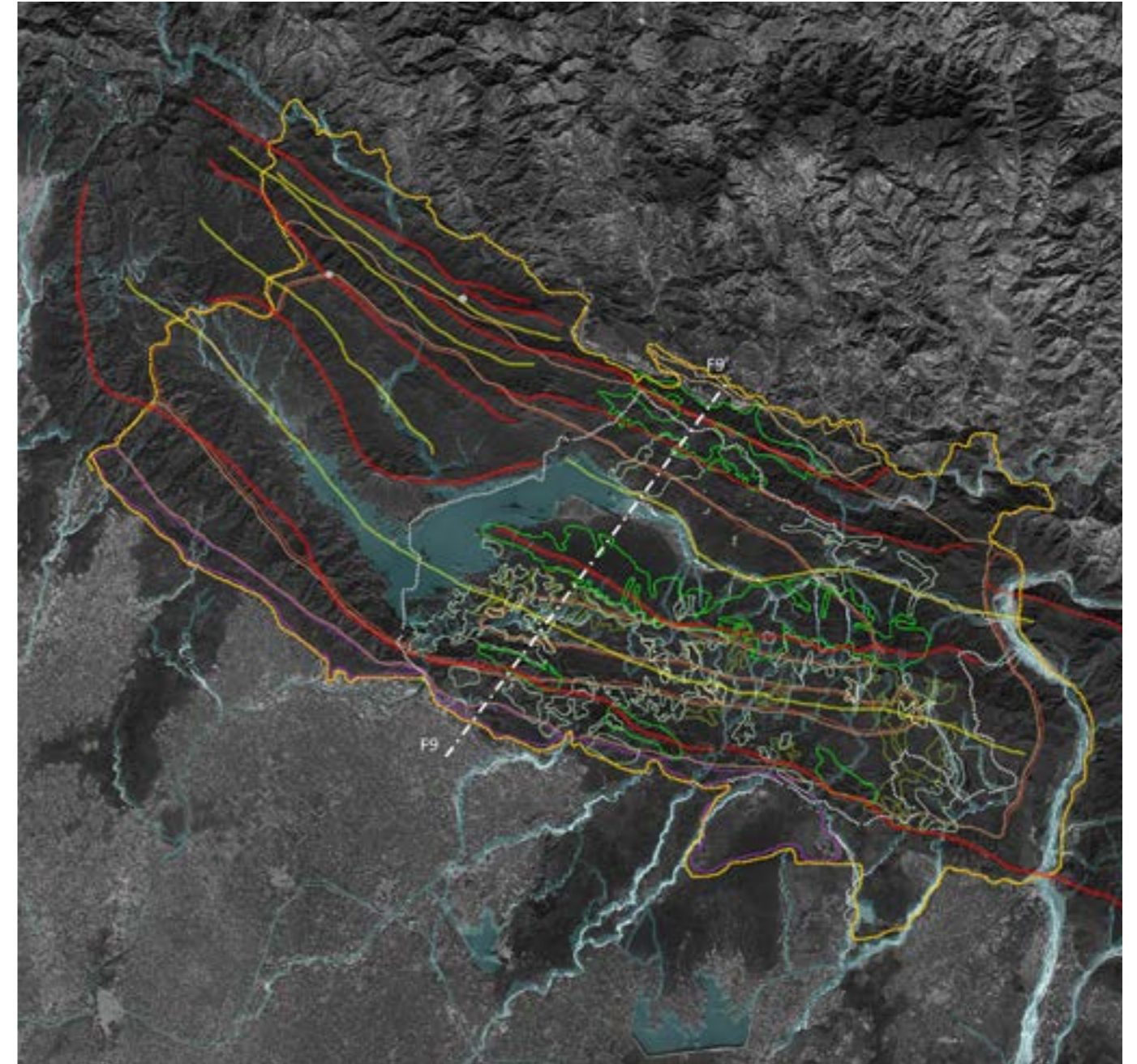
Analysing light intensity through charcoal sketches (sketches by authour)



Locating forest and understanding physiographic features



Investigating types of Sal forest in Moist deciduous Forest



System Investigation

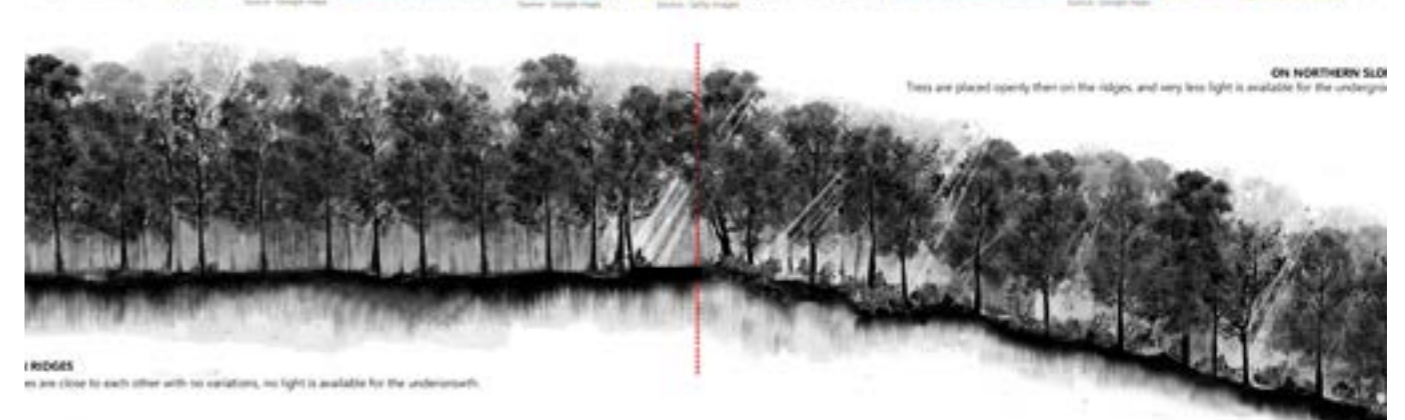
Mixed Sal Forest with grasslands



Mixed Sal Forest



Pure Sal forest



Sal Mixed Forest



07

A Forest gallery | Routes of landscape design

Ahemdabad, Gujarat

Forests have mutpal layers, differnce in these layers make the character of each forest different.

All these layers are interdependent on each other.

Topography shapes the structure, composition and function of forest landscapes because of these different topographical conditions their is difference in the **Wetness** degree of the soil which later effects the plant composition and the charachter of the forest. Changes in **Plant composition** and character makes different vegetation grains.

Due to the change in plant composition their is change in the amout of sunlight entering the forest.

Therefore **Sky porosity** grains becomes as important as vegetation grains.

Can we use this forest to demonstrate these layers of forest?
Forest which speaks to users and explains what a forest is.

Topography - CHANGING TERRAIN
Wetness degree
Plant layers
Sky Porosity



- Creating a journey?
- Can circulation connect all grains complementing building circulation?
- Can it be a multilayer circulation?



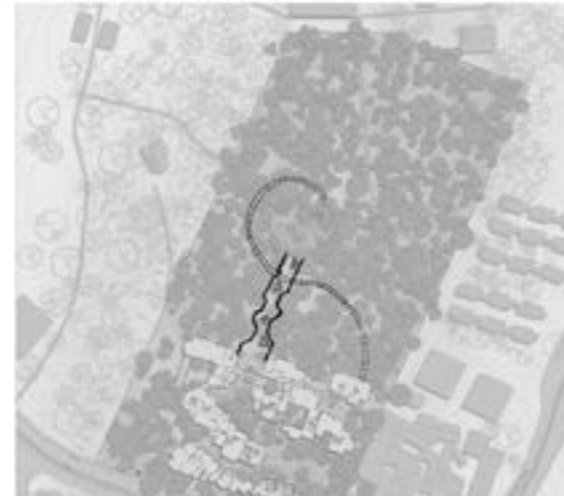
WEAVING + SENSE OF CONTROL



- Can trails itself act as a space?
- Rigid trails on undulating topography



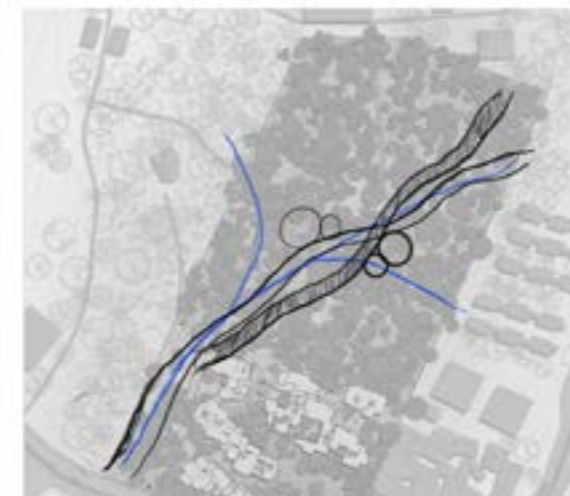
LOST IN TRAILS + CHANGING TERRAIN + SENSE OF CONTROL



- Can stream lines be connected all together in a journey with pause points?



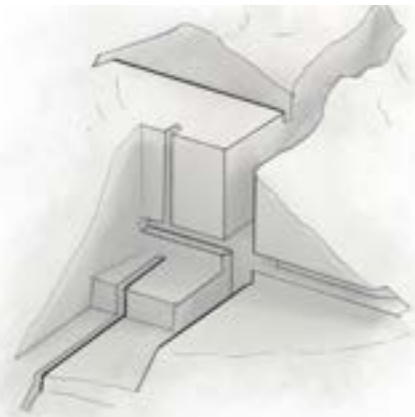
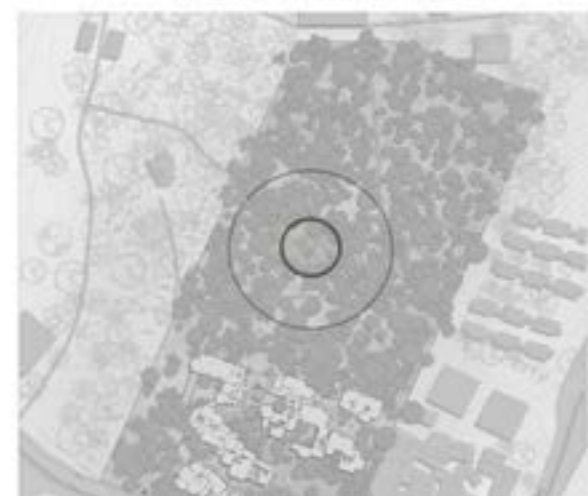
INSPIRATION FROM NATURE + SHADOWS



- Can an open space be an enclosed space?



ENCLOSURE + SENSE OF CONTROL

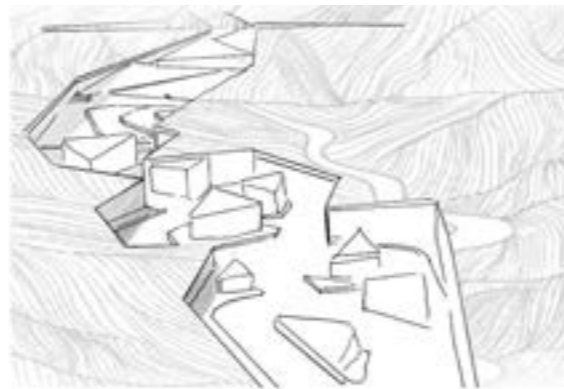


PROS-

- Connects all the grains with interesting circulation
- Complements the building circulation
- Strong and dominating concept
- Scope of multilayering

CONS-

- Consideration of Existing trees
- Alterations with the natural topography

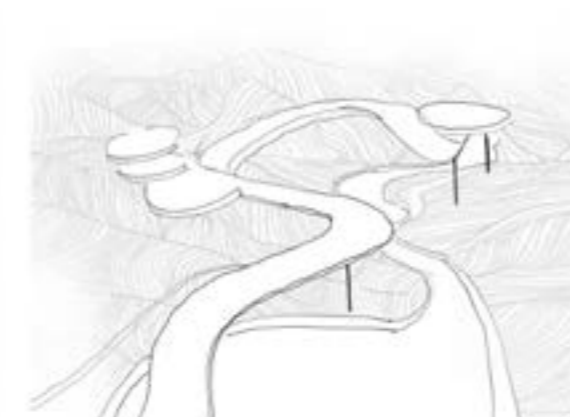


PROS-

- Changing terrain can be seen like a section is cut from between
- Existing trees are safe
- Strong corridor connection

CONS-

- How to show difference in different grain is a task.

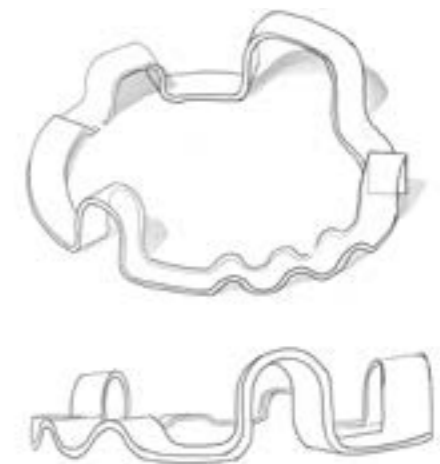


PROS-

- Following phenomenology perfectly.
- Shades will be created automatically.

CONS-

- High point in the middle of the site
- Different flow directions
- streams will be without water at most of the times of a year.



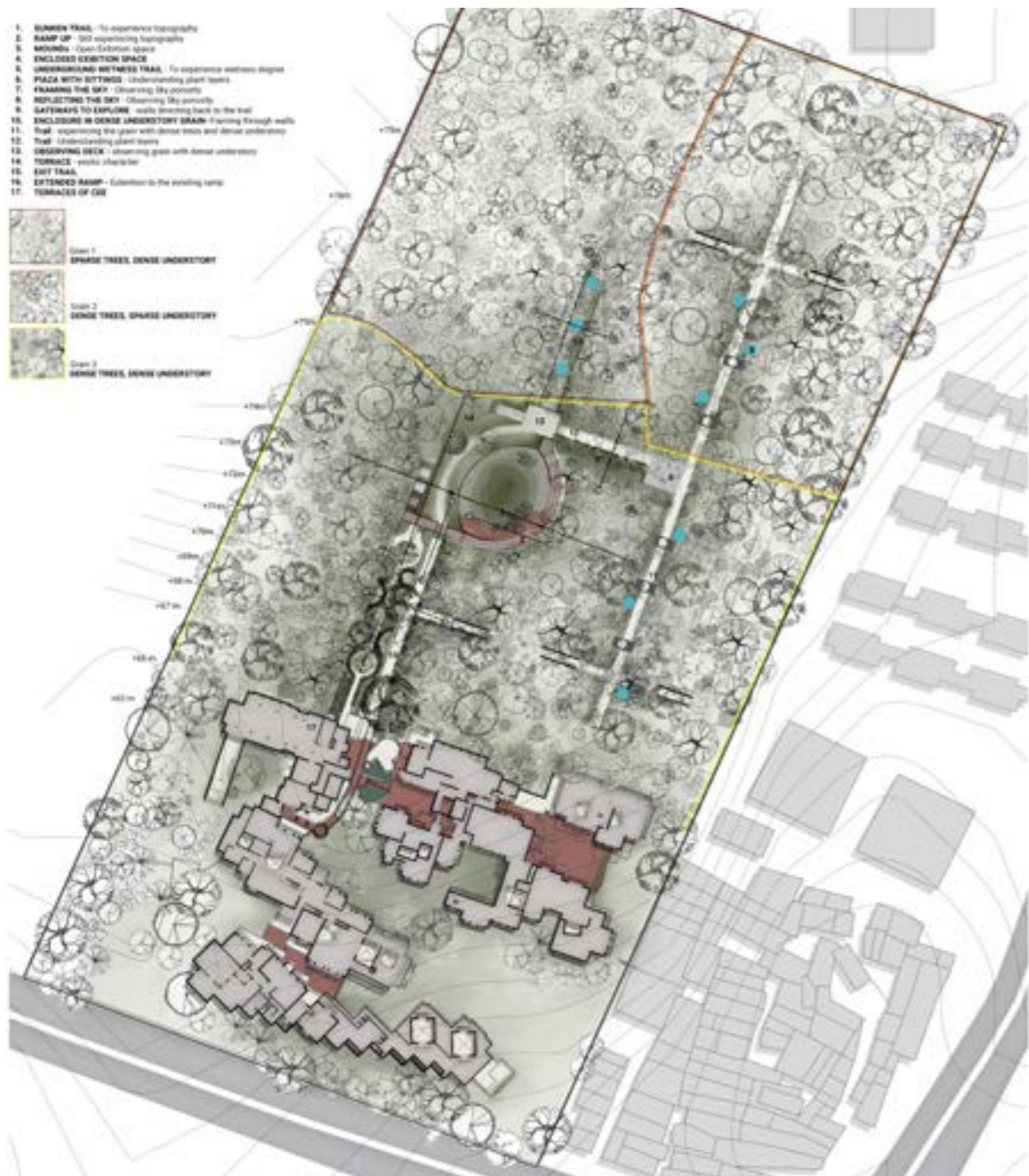
PROS-

- Focusing the highest point of elevation on the site.
- One structure - different uses

CONS-

- Not considering whole as a site.
- More like an installation

1. SUNKEN TRAIL - To experience topography
2. RAMP UP - Off experiencing topography
3. MOUNDS - Open exhibition space
4. ENCLOSED EXHIBITION SPACE
5. UNDERGROUND WITNESS TRAIL - To experience witness degree
6. PLAZA WITH SITTING - Understanding plant trees
7. FRAMING THE VIEW - Clearing sky geometry
8. REFLECTING THE VIEW - Clearing sky geometry
9. GATEWAYS TO EXPLORE - walls directing back to the trail
10. ENCLOSURE IN DENSE UNDERSTORY GRAIN - Framing through walls
11. Trail - experiencing the grain with dense trees and dense understory
12. Trail - Understanding plant trees
13. OBSERVING DECK - observing grain with dense understory
14. TERRACE - public character
15. EXIT TRAIL
16. EXTENDED RAMP - Extension to the existing ramp
17. TERRACES OF USE



SECTIONS

SECTION AA'



SUNKEN TRAIL - To experience topography

ENCLOSED EXHIBITION SPACE

Grain 1, dense understory, middle story



SUNKEN TRAIL - To experience topography
SECTION CC'



EXIT TRAIL, connecting bridge
SECTION DD'



RAMP UP - Off experiencing topography
SECTION EE'

SECTION BB'



Grain 2, dense understory, dense upperstory

WALLS

ENCLOSED EXHIBITION SPACE

MOUNDS - Open exhibition space



UNDERGROUND WITNESS TRAIL - To experience witness degree
SECTION FF'

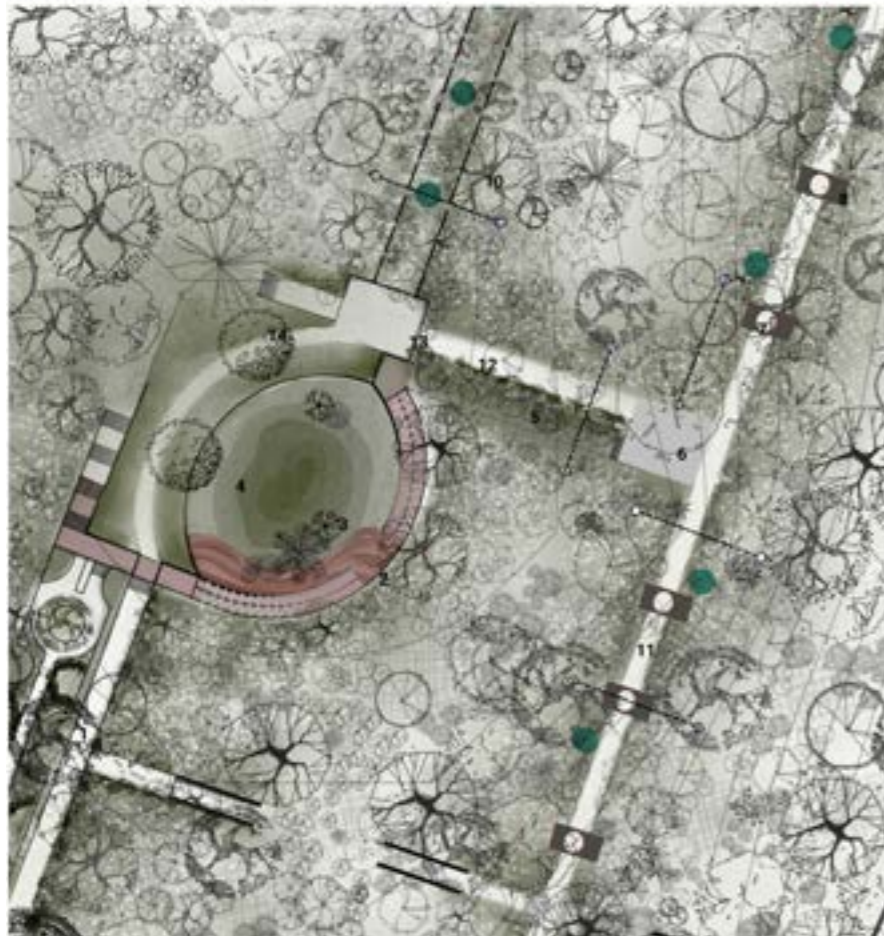


ENCLOSURE IN DENSE UNDERSTORY GRAIN - Framing through walls
SECTION GG'



GATEWAYS TO EXPLORE - walls directing back to the trail
SECTION HH'

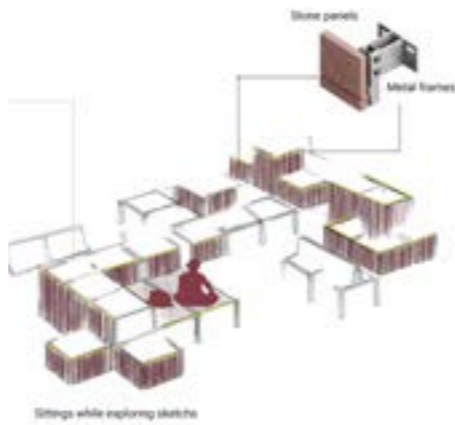
DETAIL PLAN (Top view)



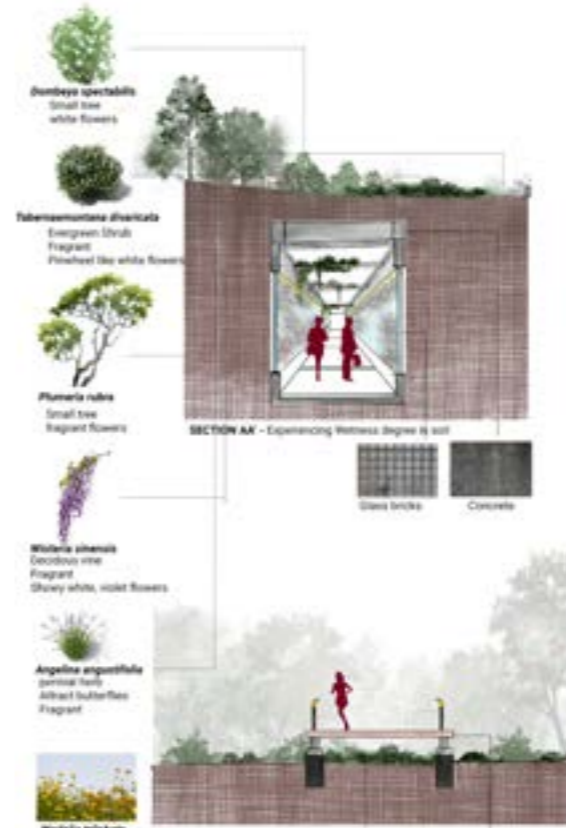
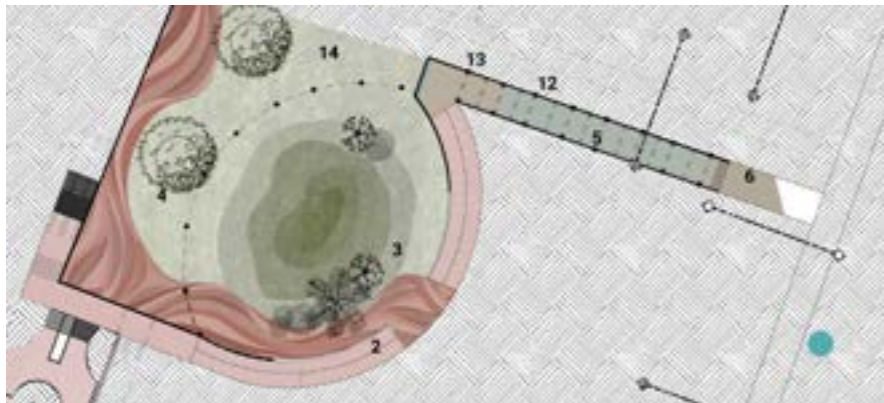
1. **SUNKEN TRAIL** - To experience topography
2. **RAMP UP** - Still experiencing topography
3. **MOUNDS** - Open Exhibition space
4. **ENCLOSED EXHIBITION SPACE**
5. **UNDERGROUND WETNESS TRAIL** - To experience wetness
6. **PIAZA WITH SITTINGS** - Understanding plant layers
7. **FRAMING THE SKY** - Observing Sky porosity
8. **REFLECTING THE SKY** - Observing Sky porosity
9. **GATEWAYS TO EXPLORE** - walls directing back to the trail
10. **ENCLOSURE IN DENSE UNDERSTORY GRASS** - Framing through walls
11. **Trail** - experiencing the grain with dense trees and dense understory
12. **OBSERVING DECK** - observing grain with dense understory
13. **TERRACE** - exotic character
14. **EXIT TRAIL**



SECTION DD - Framing the sky



Sittings while exploring sketch



SECTION AA - Experiencing Wetness deeper to soil

SECTION BB - Elevated Trails



SECTION CC - Reflection ponds - sky porosity



08

Cruise Terminal | Thesis project

Integration of Green Public spaces in terminal building

Kochi, kerala, India

Cruise terminal building is the main building where passengers embark and disembark watercrafts. The terminals are the 'front door' to the ports and serve as the public interface between the waterside and landside elements.

THE ROOF OF THE TERMINAL BUILDING WILL WORK AS A PUBLIC RECREATIONAL AREA, WHICH IS OPEN FOR EVERYONE HAVING THE VISUAL CONNECTIVITY WITH THE SEA.

The building will work as a gateway to the India for the passengers traveling overseas.

The frequency of the cruises at the terminal building is less, that is 1-2 cruises a week, so in a month the building is entertaining 4-8 cruises.

Also coastal lands are very expensive, Hence creating the landscape over the building will increase the footprint of the building.

Less than 2% population of India can afford Cruise tourism, and public is full of curiosity about this tourism.



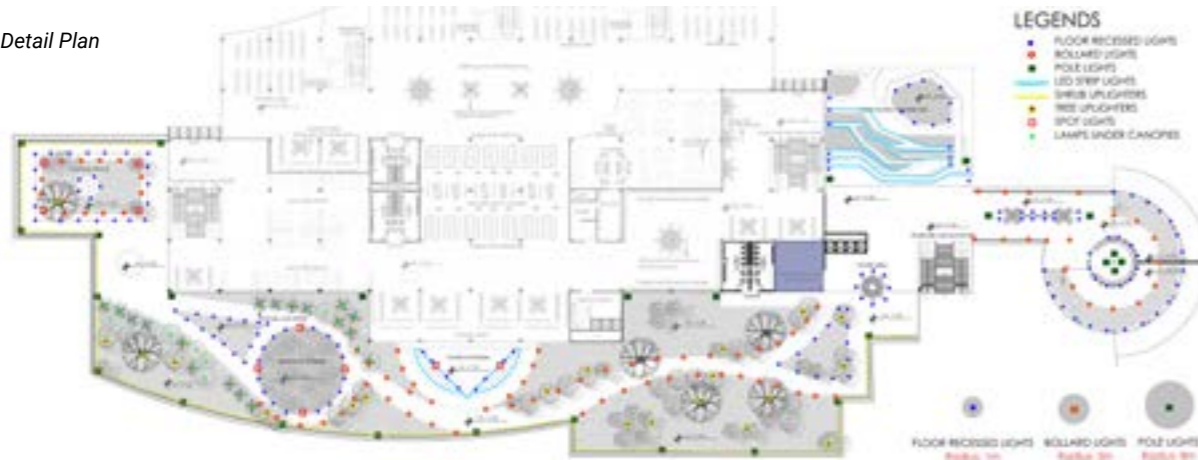
Landscape plans

First Floor

- THIS ROOF IS ACCESSIBLE BY EVERYONE INCLUDING THE GENERAL PUBLIC AND OTHER TOURISTS WHO ARE NOT A CRUISE PASSENGER.
- AS KOCHI IS FAMOUS FOR SPICES, A PRESENTATION OF SPICE AGRICULTURE IS ALSO INVOLVED.
- THE MAIN ATTRACTION OF THIS FLOOR IS FLOWERS.

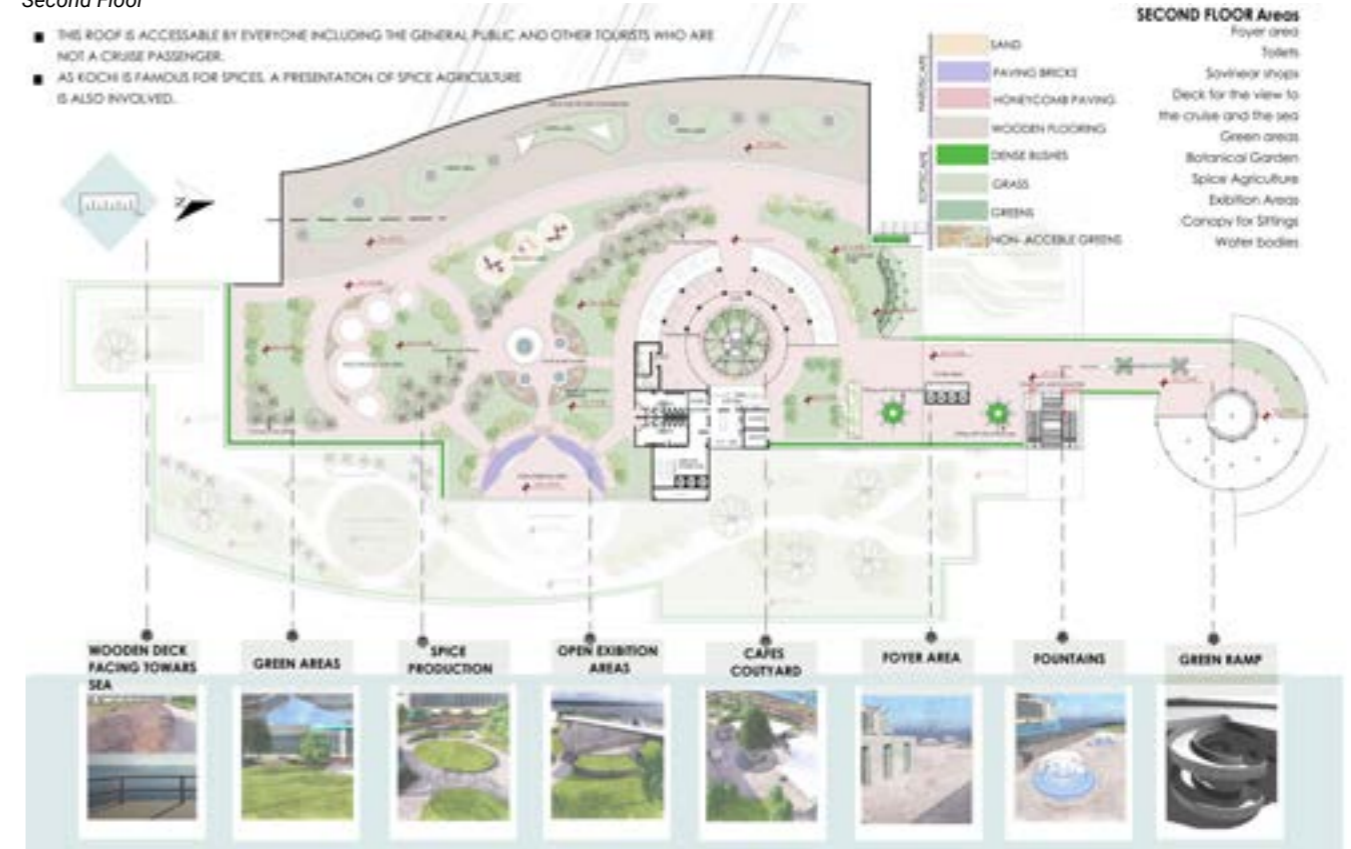


Lighting Detail Plan

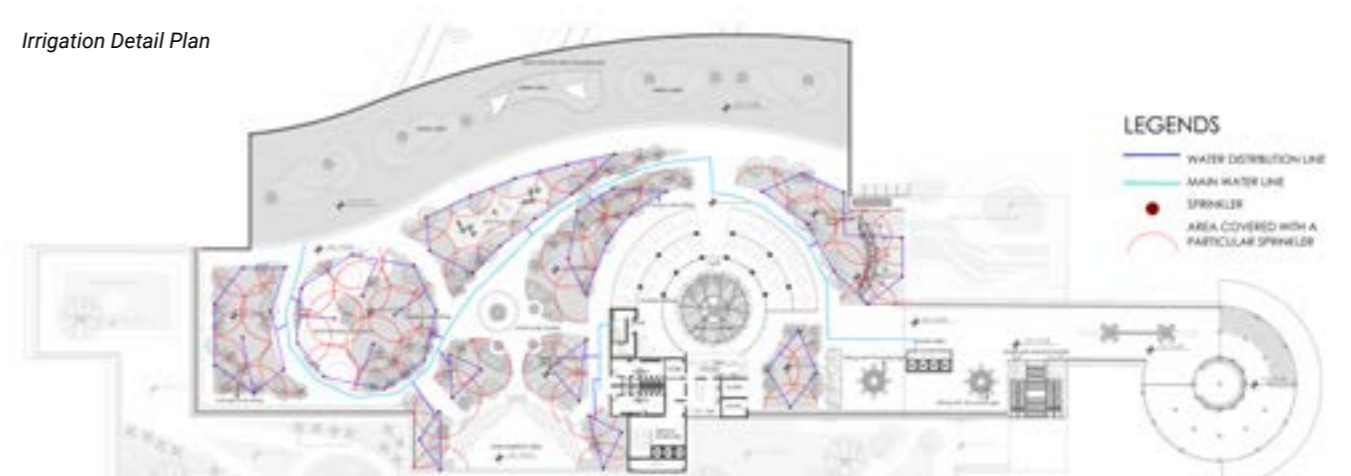


Second Floor

- THIS ROOF IS ACCESSIBLE BY EVERYONE INCLUDING THE GENERAL PUBLIC AND OTHER TOURISTS WHO ARE NOT A CRUISE PASSENGER.
- AS KOCHI IS FAMOUS FOR SPICES, A PRESENTATION OF SPICE AGRICULTURE IS ALSO INVOLVED.



Irrigation Detail Plan





EXPLORE THE UNEXPLORED
BUILT FOR YOUR DESIRES

INTERNATIONAL CRUISE TERMINAL KOCHI

The ambition is to create a pier "WHERE YOU NEVER RETRACE YOUR STEPS". The project softens the distinction between architecture and landscape.

The Cruise terminal serves as an intermediate port for international cruises with the roof to work as a public space.

This design is evolved from the **circulation patterns** of the visitors.

The international terminal will be used twice a week. Thus, areas are to be provided which will keep the terminal equipped during other times as well.

It is a cardinal structure and gateway to INDIA.

● ARRIVAL FLOW ● DEPARTURE FLOW

09

Piazza Corso Buono | wTStudios, Itlay

concept designing and working drawings

Milan, Itlay

The Piazza design project is a campus located at the intersection of two important streets in Milan, providing a vital connection between them. In order to fully understand the site and its context, our team began with a comprehensive assessment before moving on to the masterplanning phase, followed by landscape design and the restoration of an old building into an industrial museum. As a member of the project team, I contributed by creating detailed measured drawings of the old ruins, as well as conceptual designs and detailed plans for the entire area, including working drawings



PIAZZA CORSO BUENO, Milan

Museum Restoration

2017

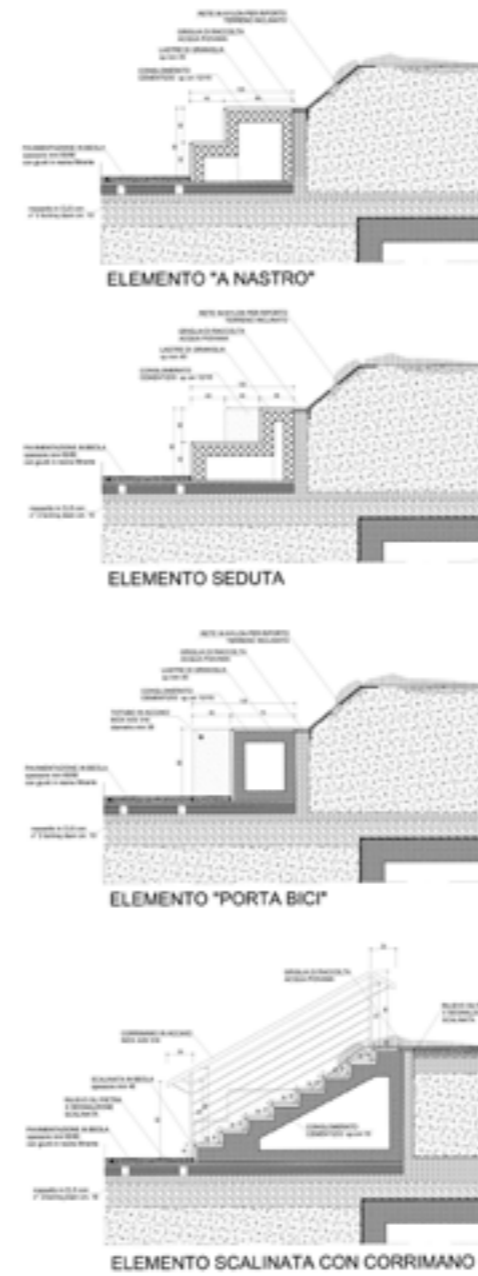
Site plan



Front Elevation



Hardspace details

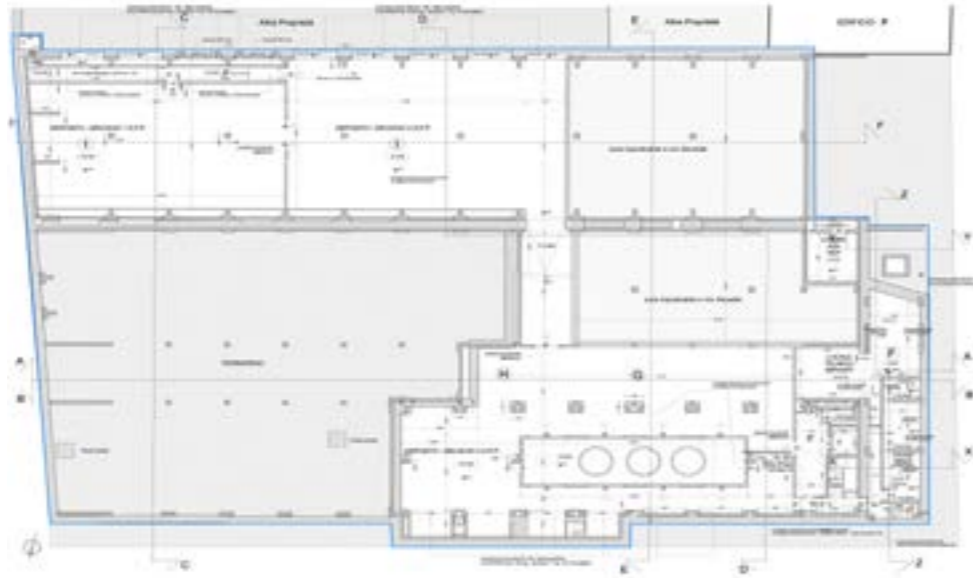


Views





Final Plan (First Floor)



Working drawing - First floor plan



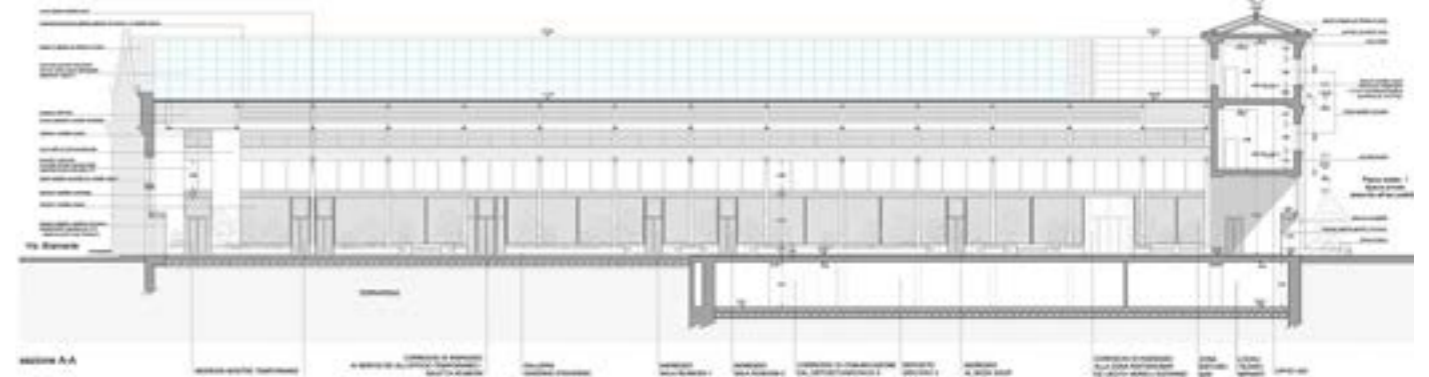
Elevation



Working drawing - Elevation



Section



Working drawing - Section



10

During the PANDAMIC

Social service | For community, by community
Aligarh, Uttar Pradesh, India

NECLACKE GARDEN, Terrace Landscape (Apartment building)

BHARDWARI CHOWK, Facade Beautification

पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन



■ Lifetime Singh of INSP

आलीगढ़ पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है। इस को शुभ शुरुआत देने के लिए अतीव प्रसन्न है। पार्क ल्यू रेजीडेंसी के निवासी इस के सौजन्यपूर्ण बनाने में सहयोग दे रहे हैं।

टैरेस गार्डन को विकसित करने और इसे बनाने में पार्क ल्यू निवासी सक्रिय भूमिका बजा रहे हैं। अतीव प्रसन्न है। निवासी प्रयोग कर रहे हैं। अतीव प्रसन्न है। निवासी प्रयोग कर रहे हैं।

विशेष रूप से...
आलीगढ़ पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है।

पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है।

आलीगढ़ पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है।

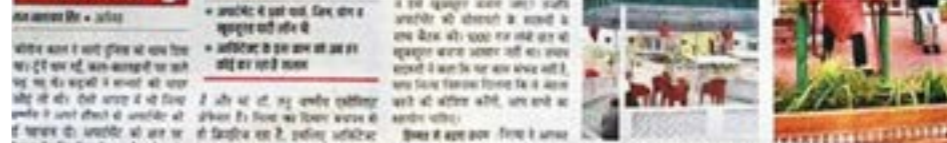


कुं नित्या चार्मैय

आलीगढ़ पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है।

कल्याण की भरी उड़ान, टैरेस गार्डन से दी नई पहचान

आर्किटेक्ट नित्या ने कोरोना काल में अपार्टमेंट की छत पर विकसित किया गार्डन



आलीगढ़ पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है।

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आलीगढ़ पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है।

अलीगढ़

पार्क ल्यू रेजीडेंसी की छत को बना दिया गार्डन



आलीगढ़ पार्क ल्यू रेजीडेंसी सोसाइटी-2 में टैरेस गार्डन का उद्घाटन कार्यक्रम सफलतापूर्वक चल रहा है।

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BHARADWARI CHOWK, Aligarh

Facade Beautification

2017

This Project is collaboration with the **Smart city aligarh** and **The Government** for the betterment and beautification of the city. A presentation was given to the all shopkeepers of that area for the Concept development.

The work is in progress

SCOPE OF WORK

- REDDING WALLS WITH PAINT AND BRICK CLADDING
- COLORING SHOP SHUTTERS
- MODIFYING WINDOWS AND OPENINGS
- ADDING PARAPET WALLS
- MODIFYING STREET/ELECTRIC POLES
- DEVELOPMENT OF SITTING SPACES CAN BE CREATED AROUND POLES.
- STREET SCAPING, ADDING OF PLANTS (LANDSCAPING)

DETAILS

- SHADES OF EDGE FOR WALLS AND BRICK FACADES.
- BROWN FOR WINDOW/VENTILATION DETAILS.
- JALIS ON PARAPET WALLS (FROM MUGHAL ARCHITECTURE).
- STREET POLES IN TWO SHADES.
- SITTING SPACES CAN BE CREATED AROUND POLES.
- WHITE COLOR SHUTTER
- A HANGING GREENS BETWEEN EACH SHOP.



EXISTING FACADE ELEVATION



PROPOSED FACADE ELEVATION

2020

NECKLACE GARDEN

Terrace Landscape

This is a Residential Building with 55 apartments. Due to less open spaces in the flat culture this terrace was created during the time of the Lockdown for The pandemic Corona.

Project cost : 13 lakhs
Footfall : considering 4 people from each flat. 55*4 = 220 people
Project Area : 4500sqm
Time of completion of project : 60 days

PROJECT AWARD: YOUTH ICON AWARD from Youth of Nation, Brijkisaan and LokBharti

Project Challenges:

- Very less budget according to the area.
- Old building/ structural boundations
- Pipes all around the terrace with some structures over it so that water remains cool in summers.
- Mismanagement of wires and ac compressers all around.

Area Programme:

- Track - 150m which connen spaces together 7 rounds = 1km.
- Flagpole Area
- Reading area
- Healing area
- Gazebo with a bar counter and dancing floor, this area have making options when required.
- Meditation area
- Performing stage
- Batminton Court
- Open gym
- Kids Play Area



11

Documentations

Jaigarh fort, Jaipur

Monestries, Gangtok, Sikkim

St. peters basilica, Vatican city

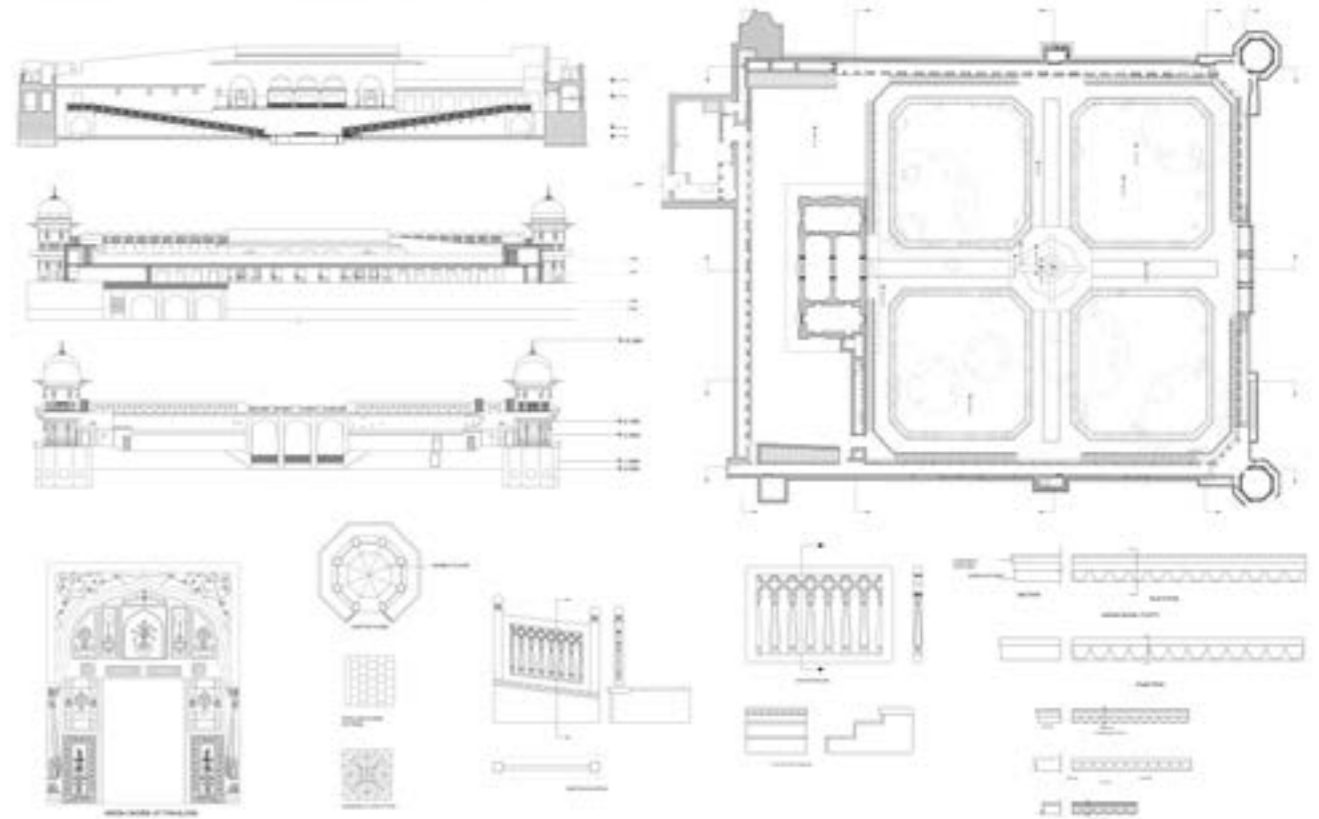
2018

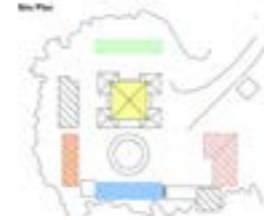
Jaigarh Fort, Jaipur

Measure drawing

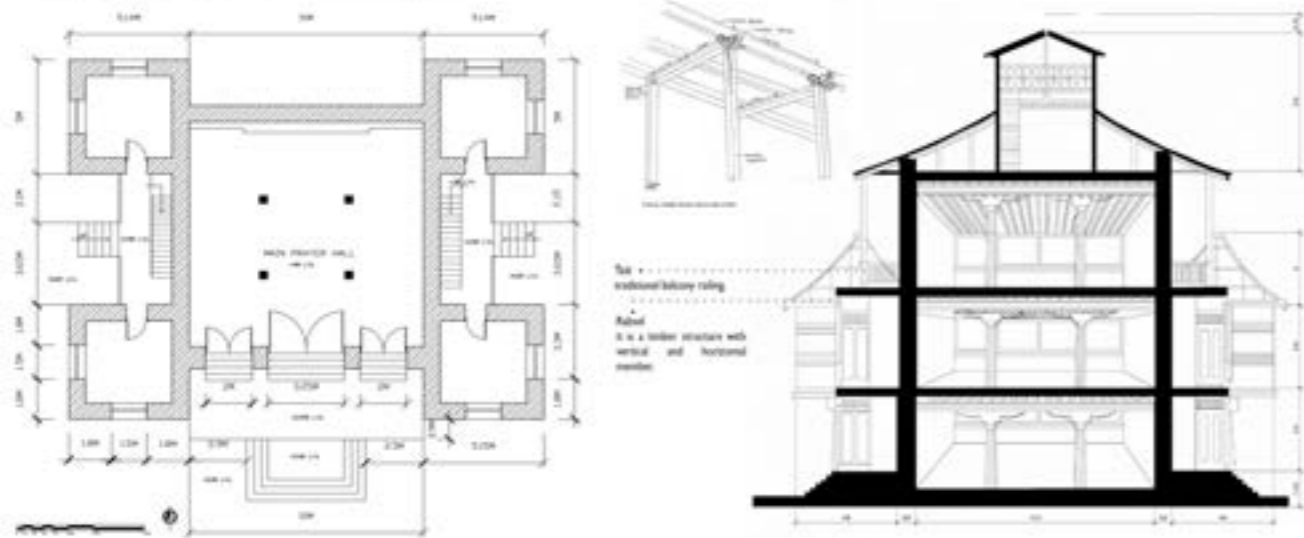


Jaigarh Fort is situated on **Aravalli range**; it overlooks the Amer Fort and the Maota Lake. The fort was **built** by Jai Singh II in **1726**. It is highly fortified with **thick walls of red sandstone** and is spread over a layout plan with a length of 3 kilometres and a width. These measure drawings are made in 2016, years after the fort was constructed, showing the existing condition of the architectural setting at the time of documentation. The drawings show architectural and organisational details

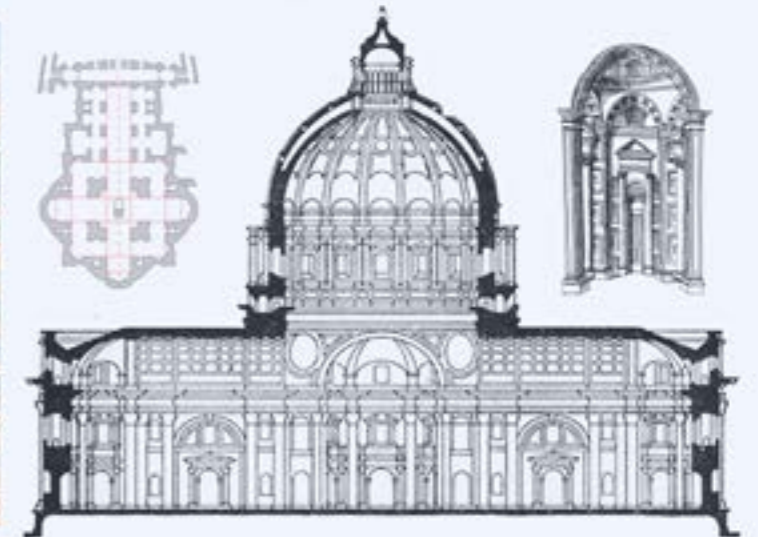




An intricate research and documentation on tibetan art language, religion and its culture was made from four in 2017 to gantok, sikkim. it covered many architecture master pieces varying from monastries to workshop and houses with an indepth study from planning to details in construction techniques



In collaboration with the university of Architecture, Toulouse, France. This study focused on roman and gothic architecture, city planning, culture and arts. it covered detailed study of buildings like St. peter's basicilla, colosseum and pantheon.



12

Workshops

Bottle Construction, Tilonia, Ajmer

Design Approches

2018

BOTTLE CONSTRUCTION

Tilonia, Ajmer

It was an experiment project , on waste management through installation of a waste plant constructed out of plastic bottles. These bottles were filled with sand than rammed and tamped till there is no air space left for more sand, which makes them rock hard and are used as bricks.



DESIGN APPROCHES

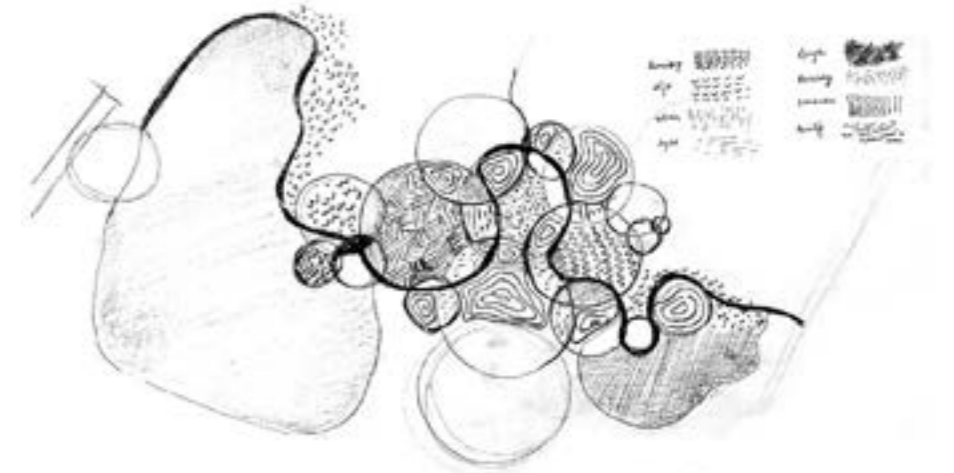
elective

Design approach - Keywords

Multilayed | Undulating | Dynamics



The temple is situated in the middle of the site, connecting various built and unbuilt places together through the thread of sanctity. Built forms around the temple are interrupting the visual connection and porosity between the two lakes due to their scale and placement.



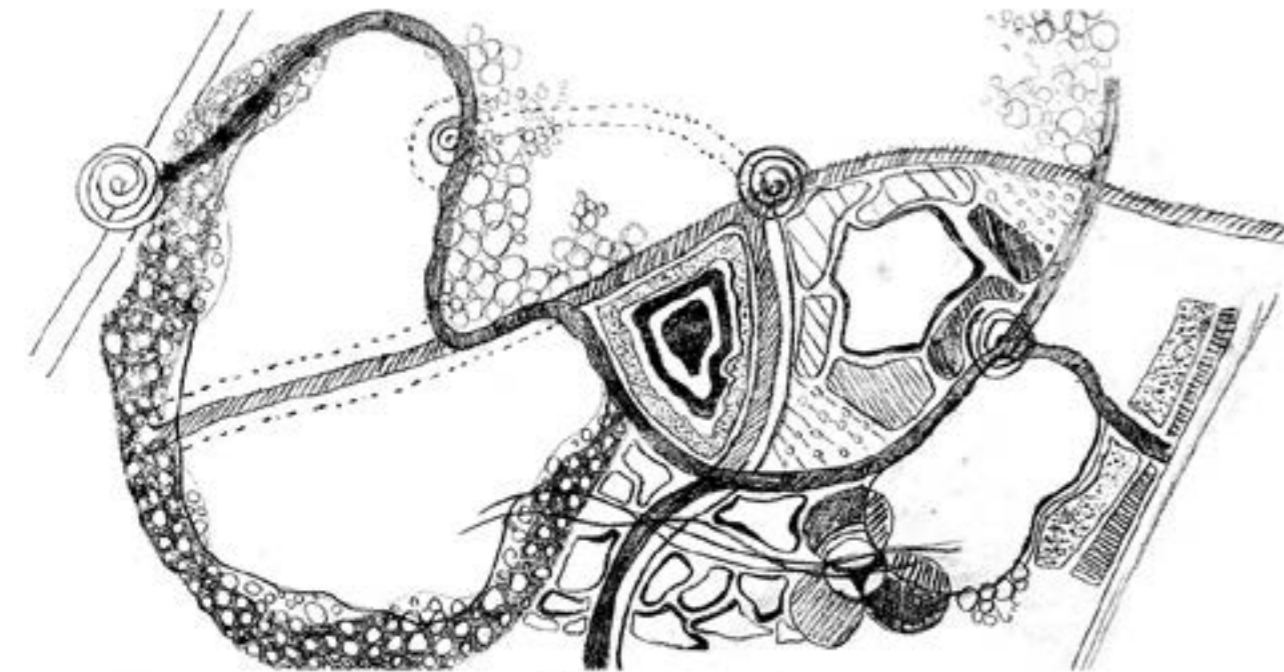
A thick linear patch between two lakes breaks the organic. On the north side of the lakes, low-rise buildings and sparse vegetation give the impression of openness, whereas, on the south side of the lakes, the thick fabric of informal settlements and vegetation limit the movement of an eye.



- The formation of accessible **undulating** grounds can be seen. The entire fabric of the site consists of blues, greens, and greys. Movement of the user is directed by the form of blues and greens.

- (As different land uses including industrial, residential, institutional, and recreational have been observed, the site is a shared space of **multi-layered** factors like ecology, culture, history, function, and religion.

- The user's experience changes with the seasons as the accessibility and openness of the space alter according to the **dynamics** of the water.



Design approach - Landing

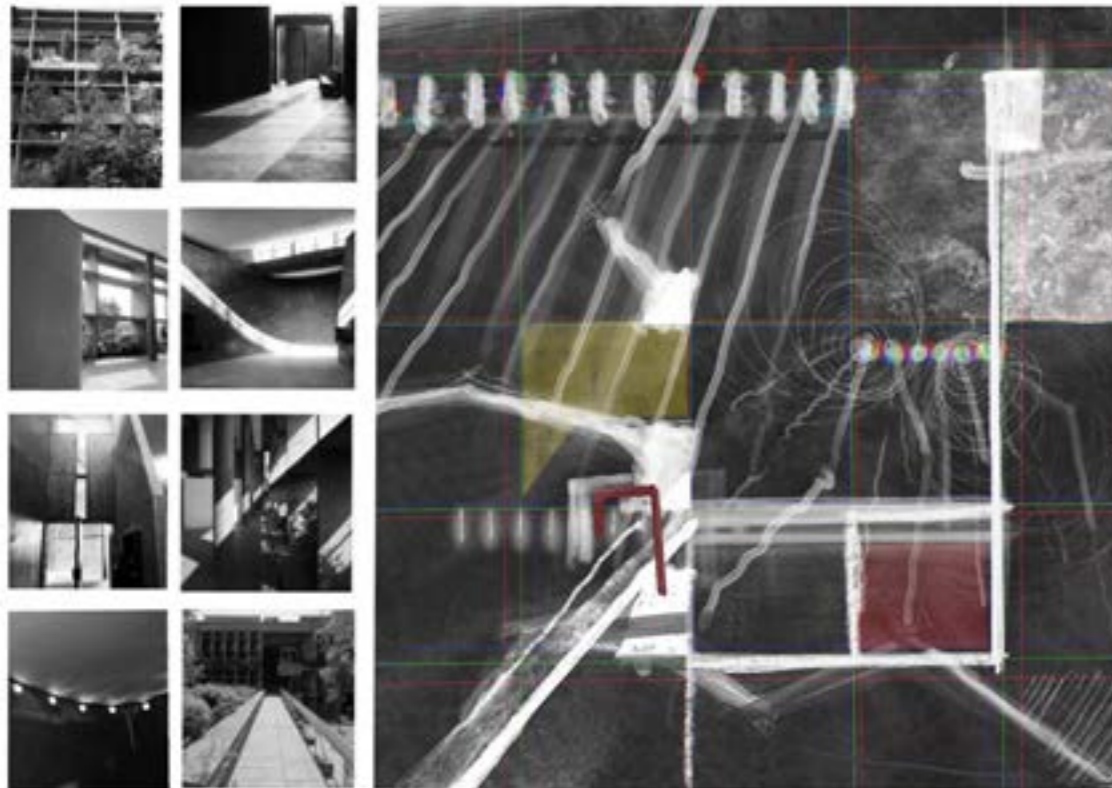
Mill Owners building, Le Corbusier

Feel- wind (touch)
See- light
The play of light and shadows
Porosity

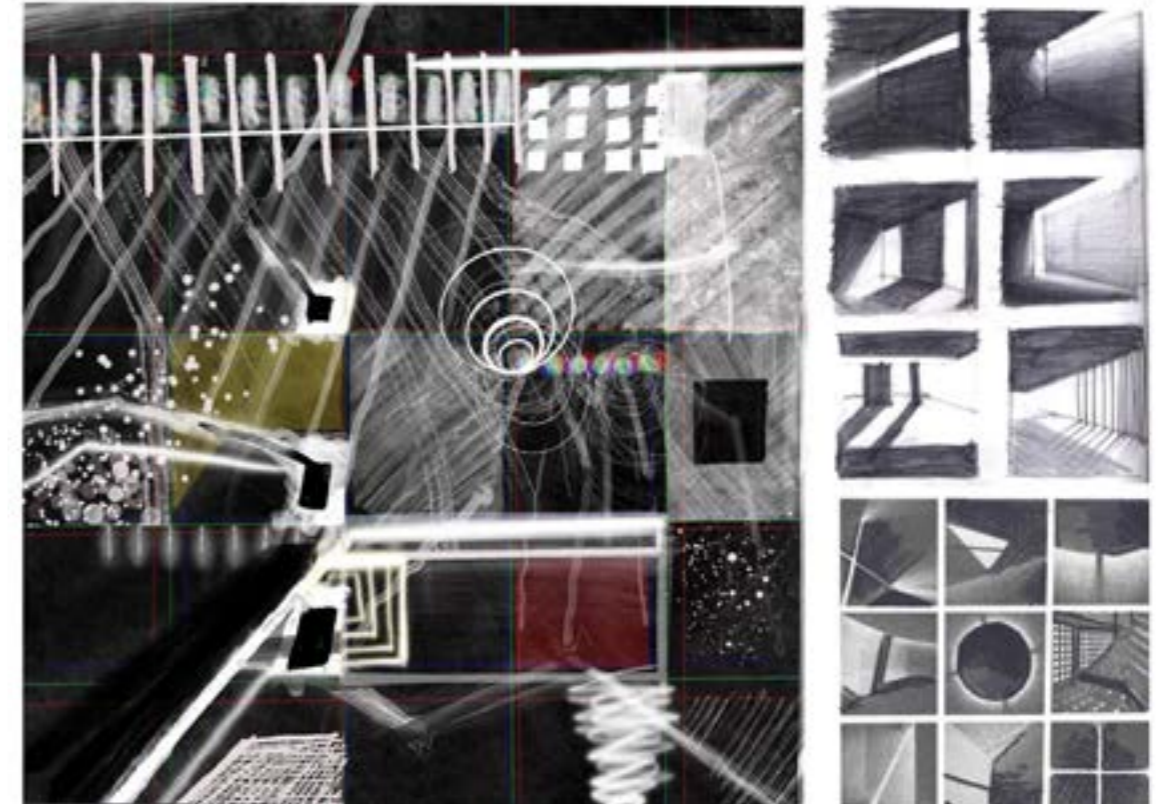
City and nature, earth and sky, inside and outside,
brutal and humane, modern and archaic,
Dark and light.

"Maybe you have to know the darkness before you
can appreciate the light."
In the midst of darkness, light persist
Duality

The building creates soft light that makes people's faces glow.



You can't discover light, by analyzing the dark. Enhancing the light experience.



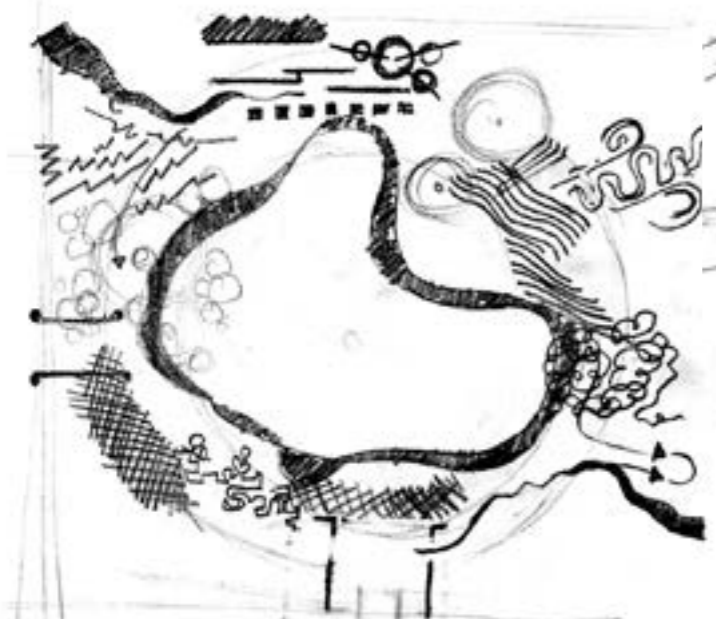
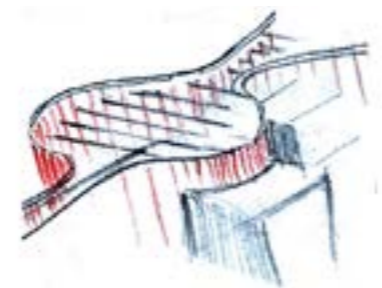
Design approach - HAIKU

CEPT Garba Ground

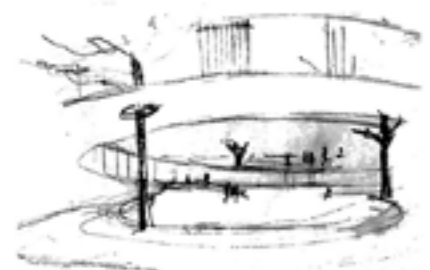
As it was
Birds twittering
reflected through the changing suns
the distant activities
 What it wants to be
Gentle breeze, Dense trees
Tied together through words as bridges
Absorbing the circle of garba



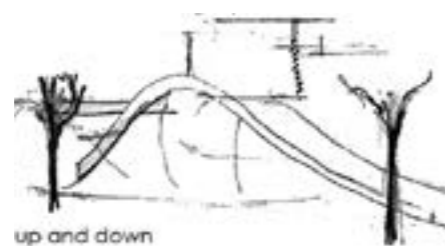
Multilayers around the circle.



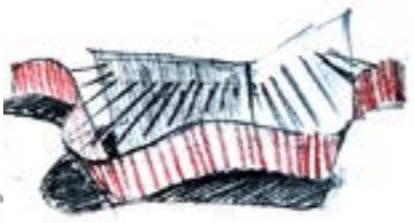
Life revolves around happiness, which is the centre of the circle where as, Life is full of emotions.



Porous + adding layers of circulation



up and down

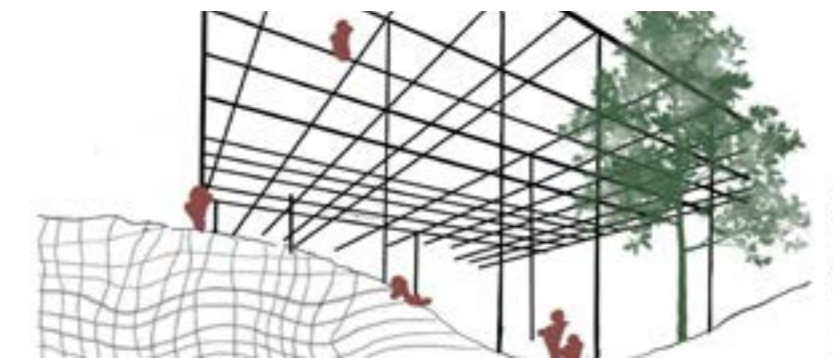
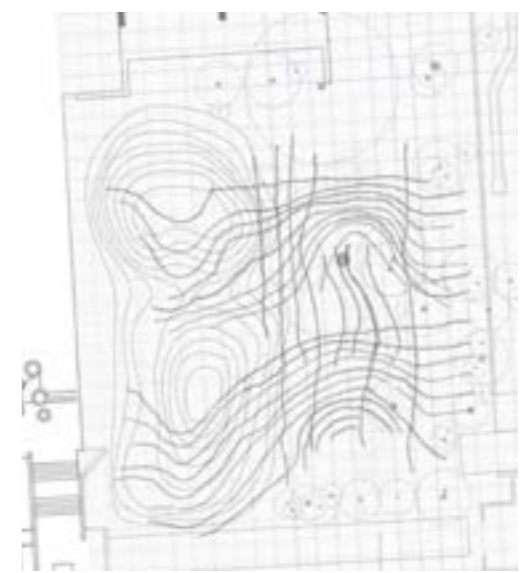
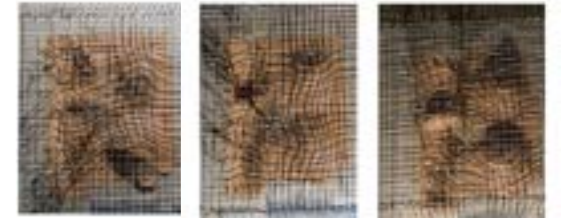


Design approach - Phenomenology

Phenomenology of shadows

Shadows are usually identified as such when they are compared with the original object. In this context, shadows render the objects in a dematerialized form.

- The form of the terrain is organic and the organic nature of the terrain is enhanced by adding a depression on the right side of the north lawns.
- A layer of grid is added which is rigid with straight lines.
- The organic shadows obtained at the different four times of the day.
- The shadows obtained are traced to understanding the sense and the nature of the space



TRAVEL . EXPLORE . SKETCH

