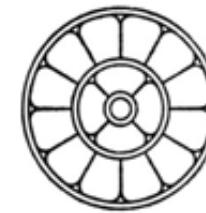


MATRIMANDIR



## INDEX

---

|                     |       |
|---------------------|-------|
| COVER PAGE          | 1     |
| SITE ANALYSIS       | 2-3   |
| CONCEPT             | 4-5   |
| MASTER PLAN         | 6     |
| GARDEN ON LIGHT     | 7-10  |
| GARDEN OF LIFE      | 11-14 |
| GARDEN OF POWER     | 15-18 |
| GARDEN OF WEALTH    | 19-22 |
| MATERIALS, LIGHTING | 23    |
| DETAILS             | 24    |
| PLANT PALETTE       | 25-26 |
| VIEWS               | 27-28 |
| PROJECT TIMELINE    | 29    |
| BIBLIOGRAPHY        | 30    |

*"To be able to understand the spiritual extreme, the material extreme, and to find the meeting point, the point where that becomes a real force."*

# SITE ANALYSIS

**Climate:** Tropical Semi-arid

**Soil Type:** Lateritic soil [Red earth]

**Compost added Topsoil pH Balance:** 6.3 ~ 6.5

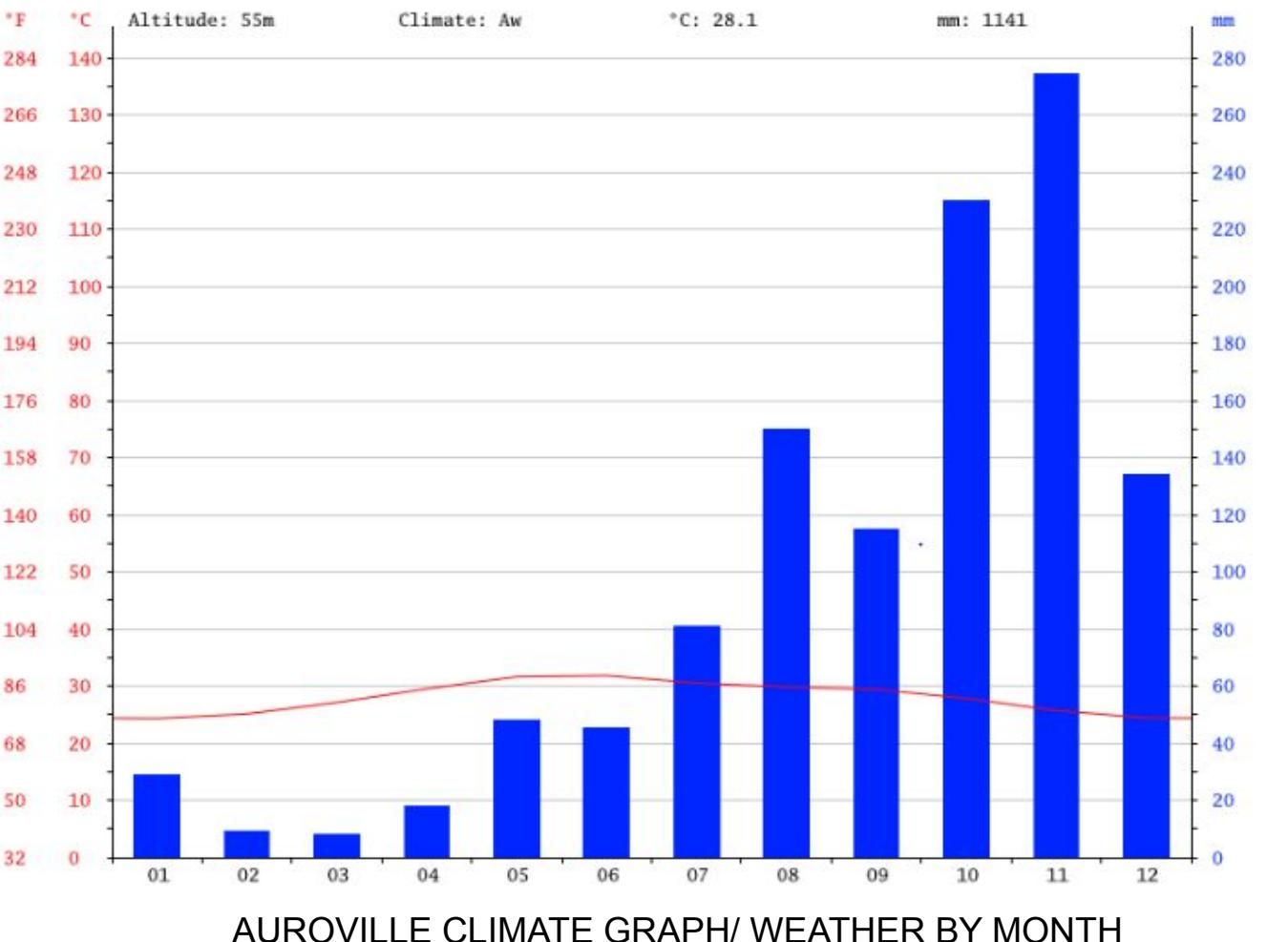
[Neutral]

**Average Rainfall** (past 32 years) : 1,295 mm

**Highest Temperature** (May): approx 43 c

**Lowest Temperature** (January): approx 16 c

**Yearly Average Humidity:** 75%vvvvvvvvvv



## Site Study and Relation with the Surroundings

No existing trees will be removed from the site.

No major pruning is required.

In order to respect the parameters and maintain the harmony with surrounding landscape, the existing slope, crest and outer line will be kept.

The backslope is untouched in all the gardens as per instructed.

In Matrimandir and its grounds geometric lines and curves have been used extensively.

Matrimandir represents an architectural perfection in our time. The gardens have to complement and enhance the beauty already manifested.

So the designed gardens have evolved as such that they create a different dimension to garden but as well as merge into the existing landscape.

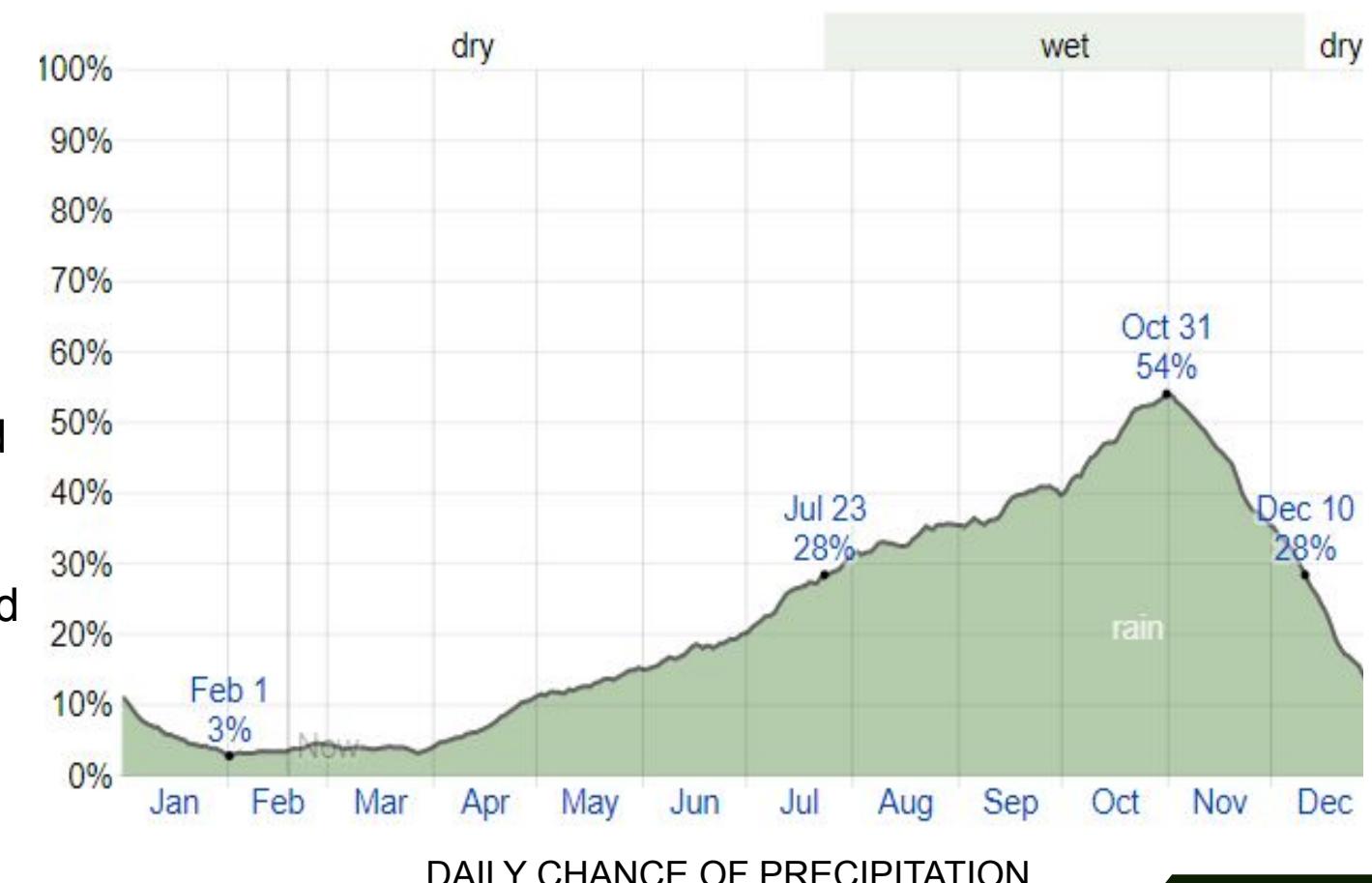
## Sustainability and ecology

Sustainability and the creation of a functional ecosystem is foremost in this design, the choice of plants, water bodies and minerals all carefully selected to achieve a

living garden requiring minimum maintenance and intervention.

Diversity in plant selection is very important in order to achieve immunity and wider harmony in the garden. Some flowering trees and shrubs are chosen for the Gardens in order to enhance habitation of insects and activate pollination.

Careful mulching will further promote insect life in turn attracting small mammals and birds.



## Safety

- All water bodies will have shallow depth and safety steps.
- All garden objects will have softened edges.
- Minimise blind spots in the garden to allow better visibility for adult supervision.
- All main pathways are safely made for toddlers, stroller and wheelchairs.
- Poisonous and thorny plants will be barred.
- Required lighting will be provided to keep all the zones of the garden in visibility.

The challenges and the goals can be identified in three categories: Aesthetics, Ecology and Economy.

The aesthetics challenge will be the manifestation of beauty in landscape design.

The challenge is the ecological challenge. In Tamil Nadu, annual rainfall is approx 900 mm (In Auroville approx 1,260 mm) one of the lowest state average in India.

### In order to reduce watering in Matrimandir gardens we would like to propose:

- The planting of trees or creation of dry gardens in significantly dry areas.
- The use of drought resistant or indigenous plants instead of foreign or inappropriate plants.
- Replace the lawn by drought-tolerant ground cover grasses.
- Covering water bodies with appropriate water plants to avoid daily evaporation.
- Usage of heat reducing and heat resistant materials for the water bodies.
- Install drip irrigation and micro sprinkler systems for a more effective watering.

### The third challenge is the economical challenge. In the Garden we would like to try to save the costs by:

- Minimizing the civil work.
- Minimizing earth shaping work by maintaining the existing slopes.
- Designing the garden based on locally available materials.
- Minimizing the garden maintenance costs.



**HEAT REDUCING MATERIALS**



**MICRO SPRINKLER SYSTEM**

# CONCEPT



## Seeing is believing

Incorporating different textured path surfaces that wind in and out of the shade, so visitors can enjoy each curve. Providing some climbing varieties to encourage people to look up. Combining different complementary & contrasting colors, too.



## Scents-itity

Flowers that smell fabulous are always a wonderful addition

## Yum-worthy

Mint, basil and lemon balm not only smell divine, but they taste great, too



## Feels so good

Exploring with our hands makes us appreciate nature! Planting shrubs and trees along a path, so visitors can touch the bark and the foliage., keeping lower branches for fruit trees so kids can easily climb to pick apples or pears encouraging visitors to touch everything!



## Hear's looking at you

Water features are a wonderful treat for the ears, so we are incorporating a fountain or waterfall. A birdbath will bring fine-featured chirping to the garden and provide an attractive focal point. Soft wind chimes are great, too.



## CONCEPT

### Running, Jumping, Climbing, Swinging

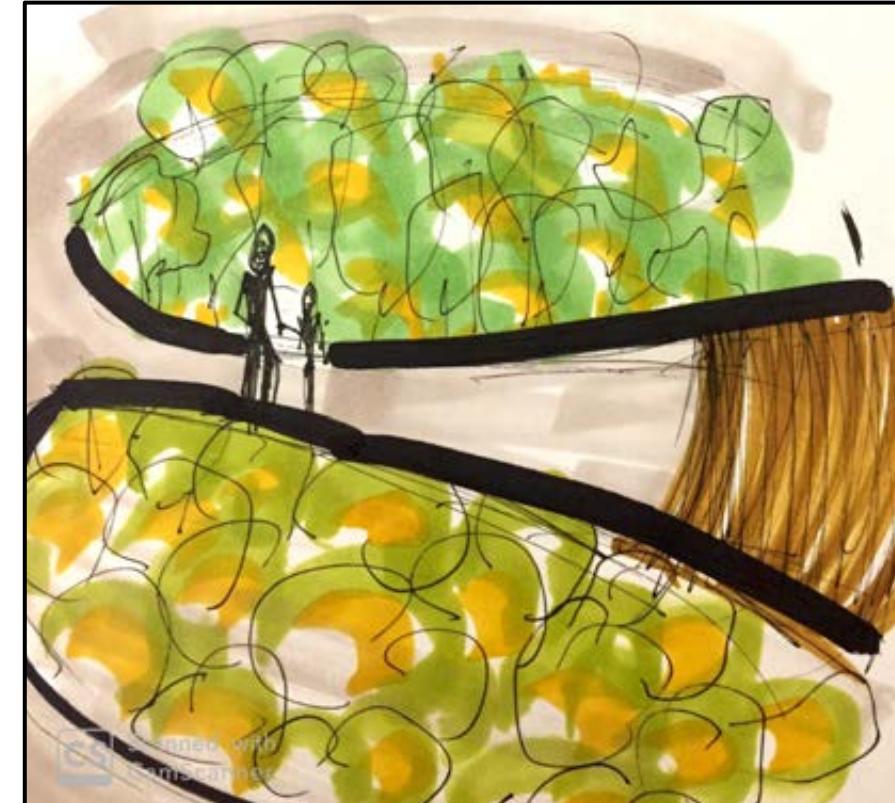
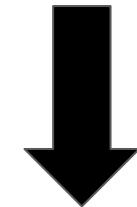
Young children have a compulsion to move. Allowing them to do so, and providing safe and age-appropriate challenges, allows them to increase their confidence as well as develop their resilience through risk-taking. Of course, gross motor skills also receive a mighty boost.



LIGHT- AMPHITHEATRE

### Nature Play

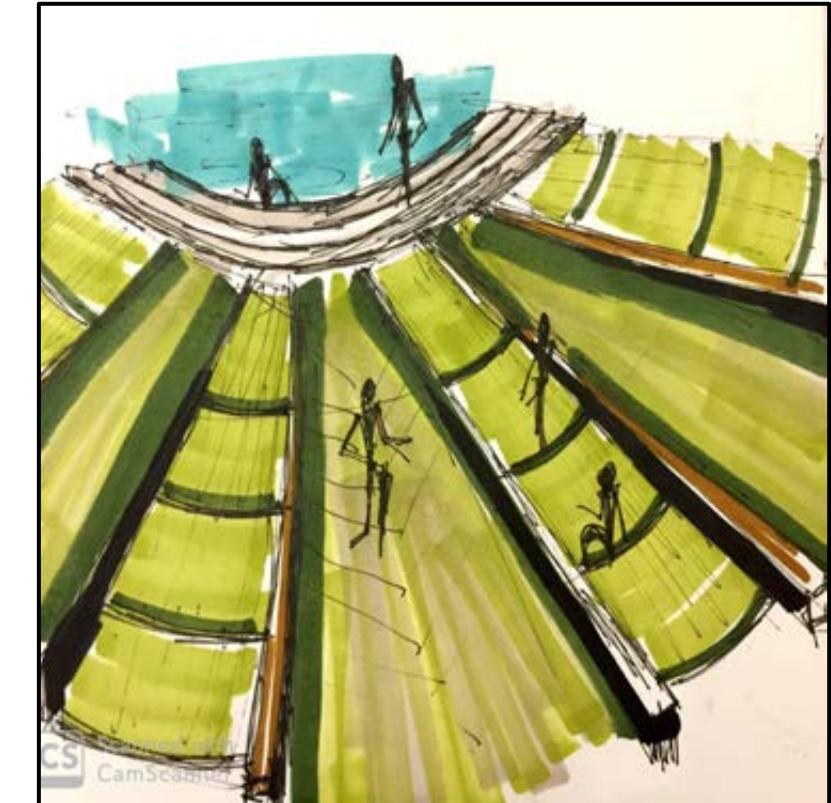
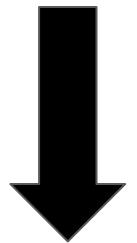
Children's learning is fuelled with rocket-fuel when you take the play space out into the great outdoors. That's why Forest Schools are so popular and highly regarded. Not only is it healthy, it teaches a respect for the environment, and the beginnings of biology. It also helps children to become more independent and inquisitive.



LIFE- A WALK THROUGH NATUREA

### Sensory Play

In a nutshell, sensory play is any play activity which involves touch, smell, taste, sight and hearing. Sensory play stimulates exploration and the building blocks of science and investigation



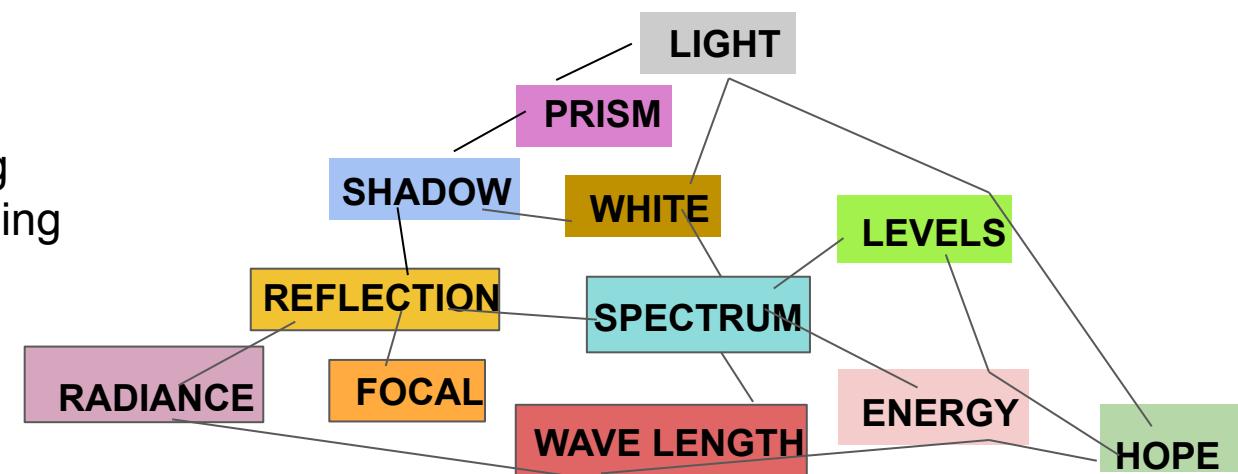
POWER- SEATING AROUND THE WATER BODY, GRASS RAMPS AND GRASS SEATING

# SITE PLAN



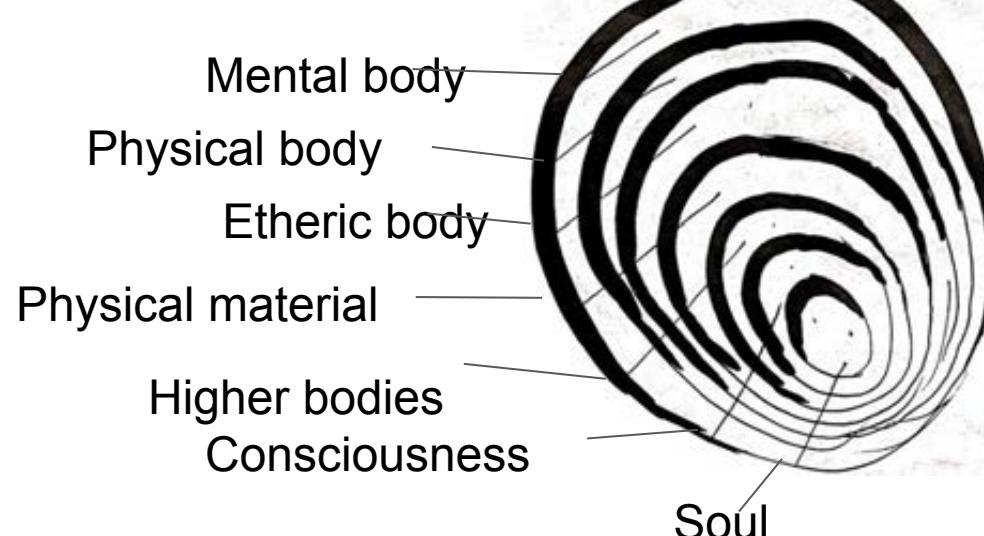
# CONCEPT - LIGHT

Light garden is the largest garden among the 4 developing gardens.



## LIGHT

Light is a symbol of purity, goodness, clarity and enlightenment. It is often associated with immortality and high power. So creating a space with simple designing, being true with materials, maintaining a sense of gradation towards one source of light which can also be referred as soul.



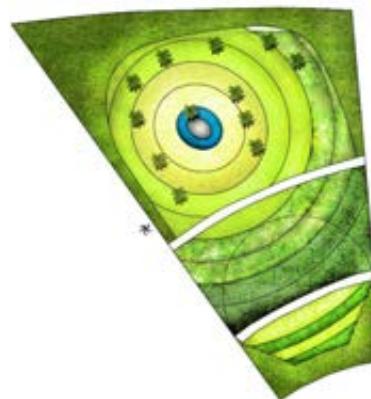
VIEW

## DESIGN DESCRIPTION

Person while traveling through light garden comes across various levels, textures in form of paving patterns and gradation of greens in shrubs and trees, which engages one to explore the space and creates a unique journey in itself. As each level goes down there comes a point where the whole zone is having a setup which is kind of Japanese garden with pebbles on the ground with low level seating and as the person goes down in that zone there comes a point in the centre where there is hollow space having reflective inverted dome which can't be visible as long as the person goes near it and peeps into it, just like one cannot connect with its own soul unless and until there is effort to know it and understand it. Once you have known your inner self then there is sense of peace and composition in one self and if that is achieved then eventually there is a unique radiance in your aura.



STAGE 1

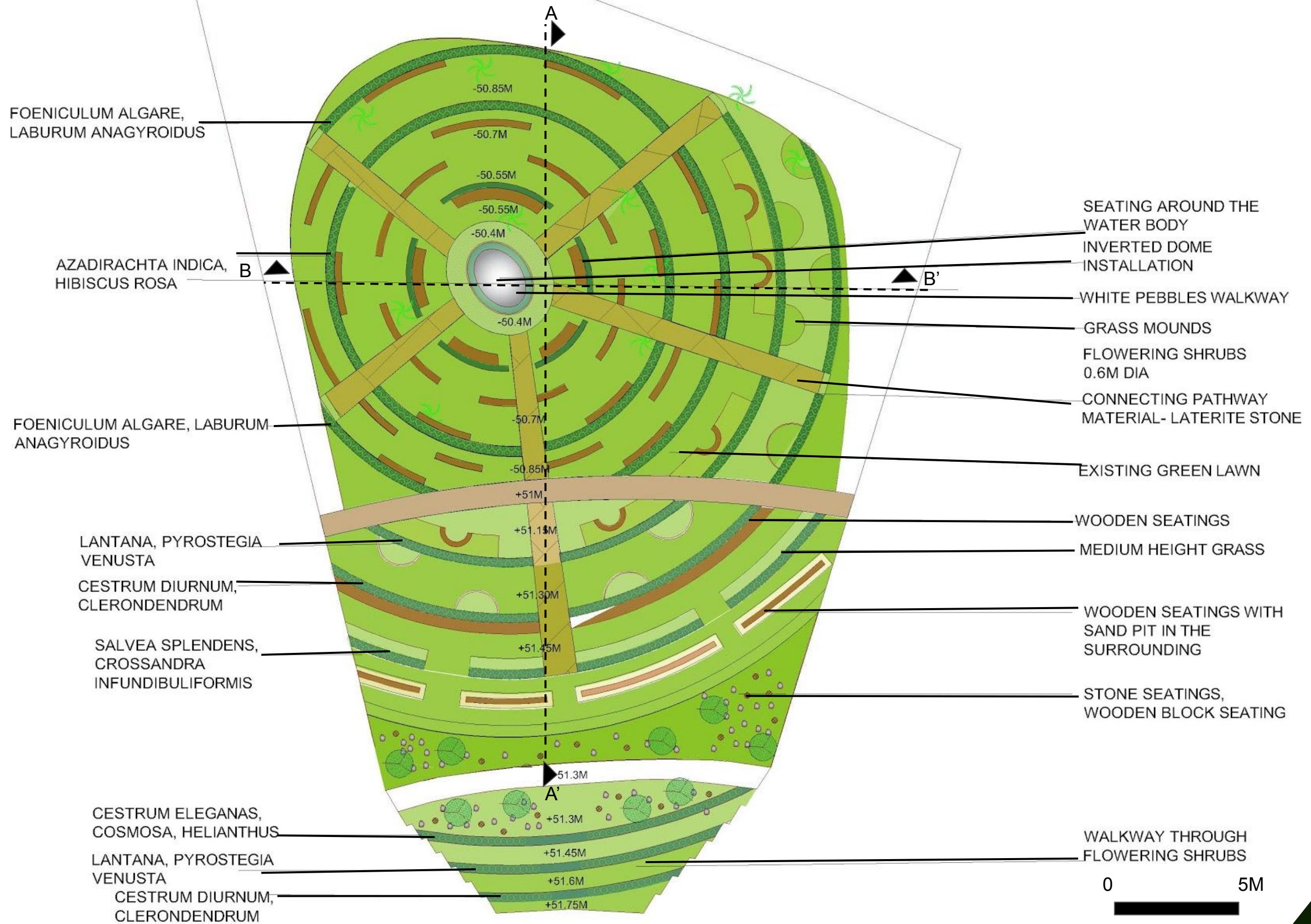


STAGE 2

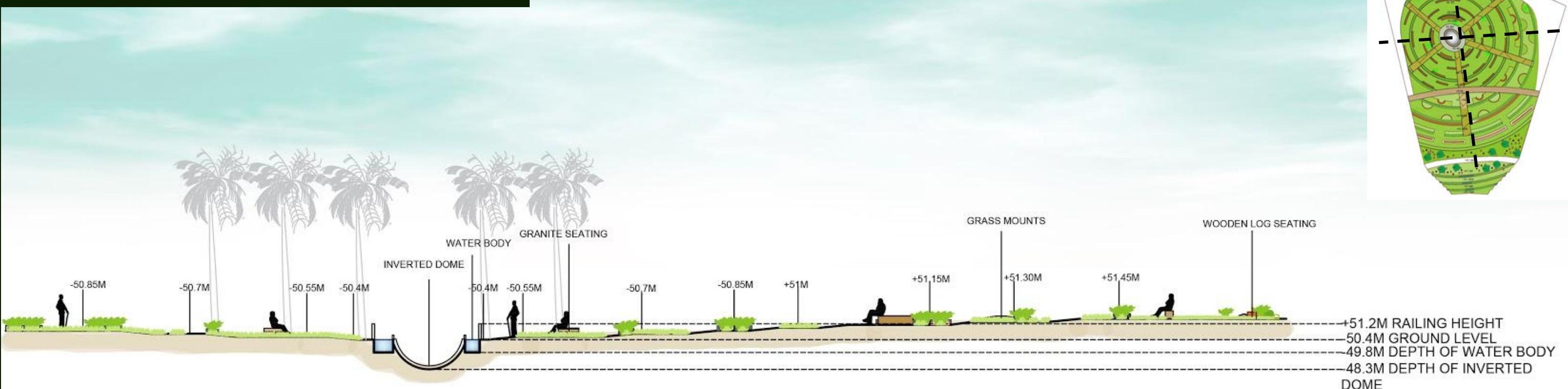


STAGE 3

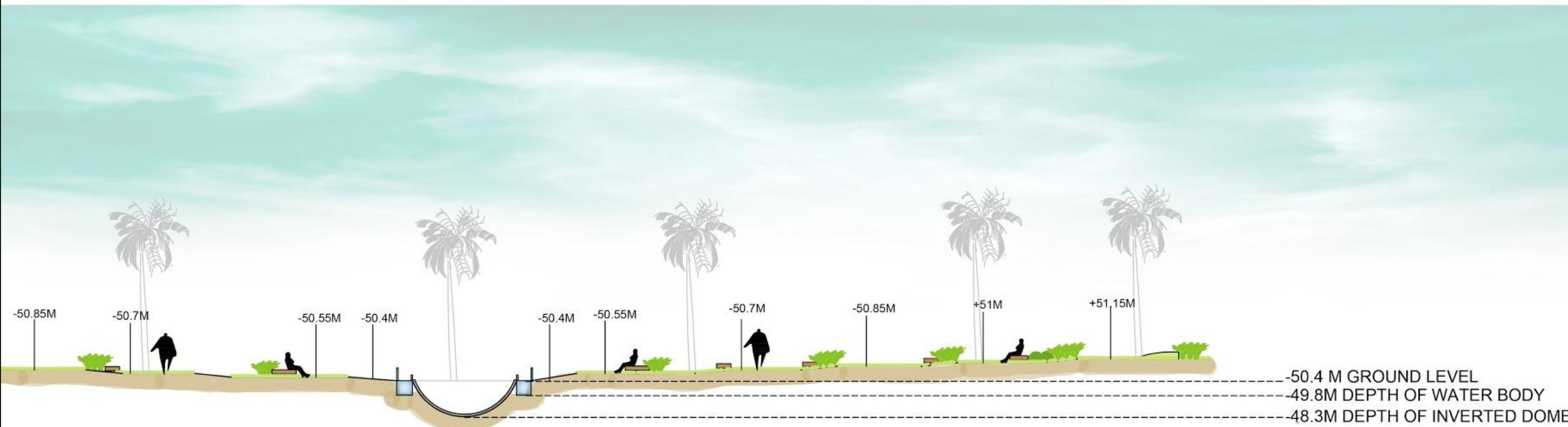
# CAD PLAN OF LIGHT GARDEN



## SECTIONS OF LIGHT GARDEN



SECTION AA'



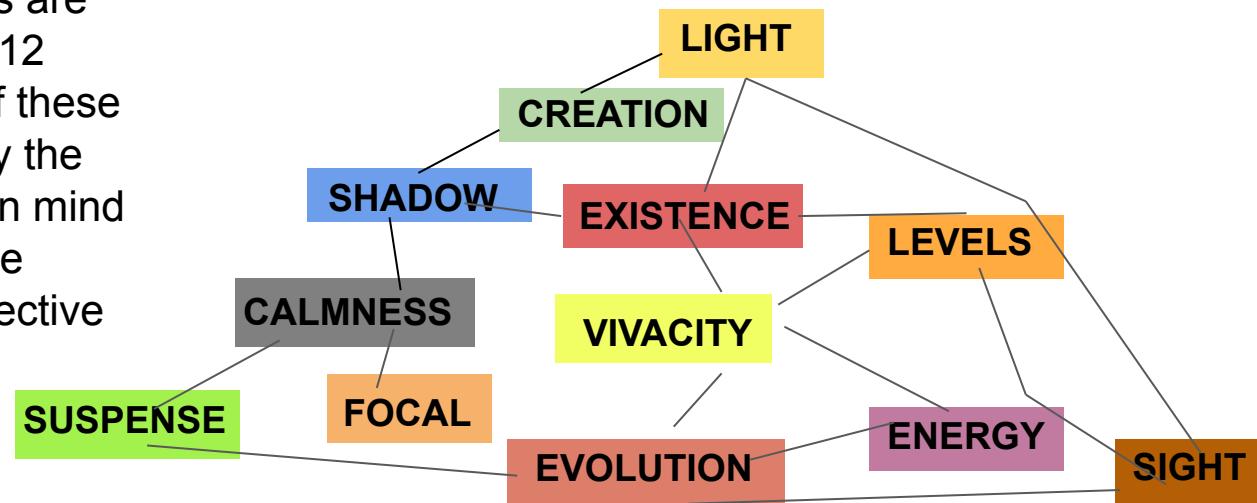
SECTION BB'

## 3D MODEL - LIGHT



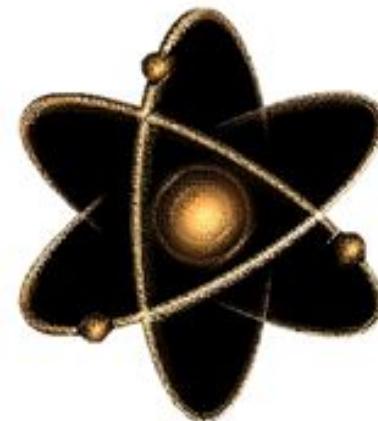
## CONCEPT - LIFE

Life and Power gardens are smallest gardens in all 12 gardens. A large part of these gardens are covered by the Banyan tree. It is kept in mind that the space under the Banyan is used for collective meditations by the community.



### LIFE

Life is a living matter and matter is made up of atoms, so taking an inspiration from an atom which is a minute yet most indispensable element of any form. Atoms are composed of nucleus which is like a heart of it its structure just like any life on this planet has its own cell, heart which defines its existence. Atom has electrons and protons, which are positively and negatively charged, which varies from one atom to another depending upon its physical, chemical characteristics. So, this positive and negative charged bodies are which define each atom. Similarly in Life every living being i.e. animals, plants, humans, have their positive and negative traits in their character, which makes them divergent from one another.



INITIAL IDEA



### DESIGN DESCRIPTION

The proposed design consists of a circular pathway with a water body around it on one side and a floating island like mass created in the centre which will consist of single vertical pathway which will be partially surrounded by a lawn. This design consists of water body which can refilled as per the climate and design requirement and will act as dry patch when the water availability is low so it will give a sense of life to it if water is considered to be existence, happiness and when there would be no water, that will give a person an opportunity to appreciate the dry yet beautiful natural pattern which will be created on the ground due to water body, so this will give person a sense of appreciating the good and bad times as life is not always about exhilaration.



STAGE 1

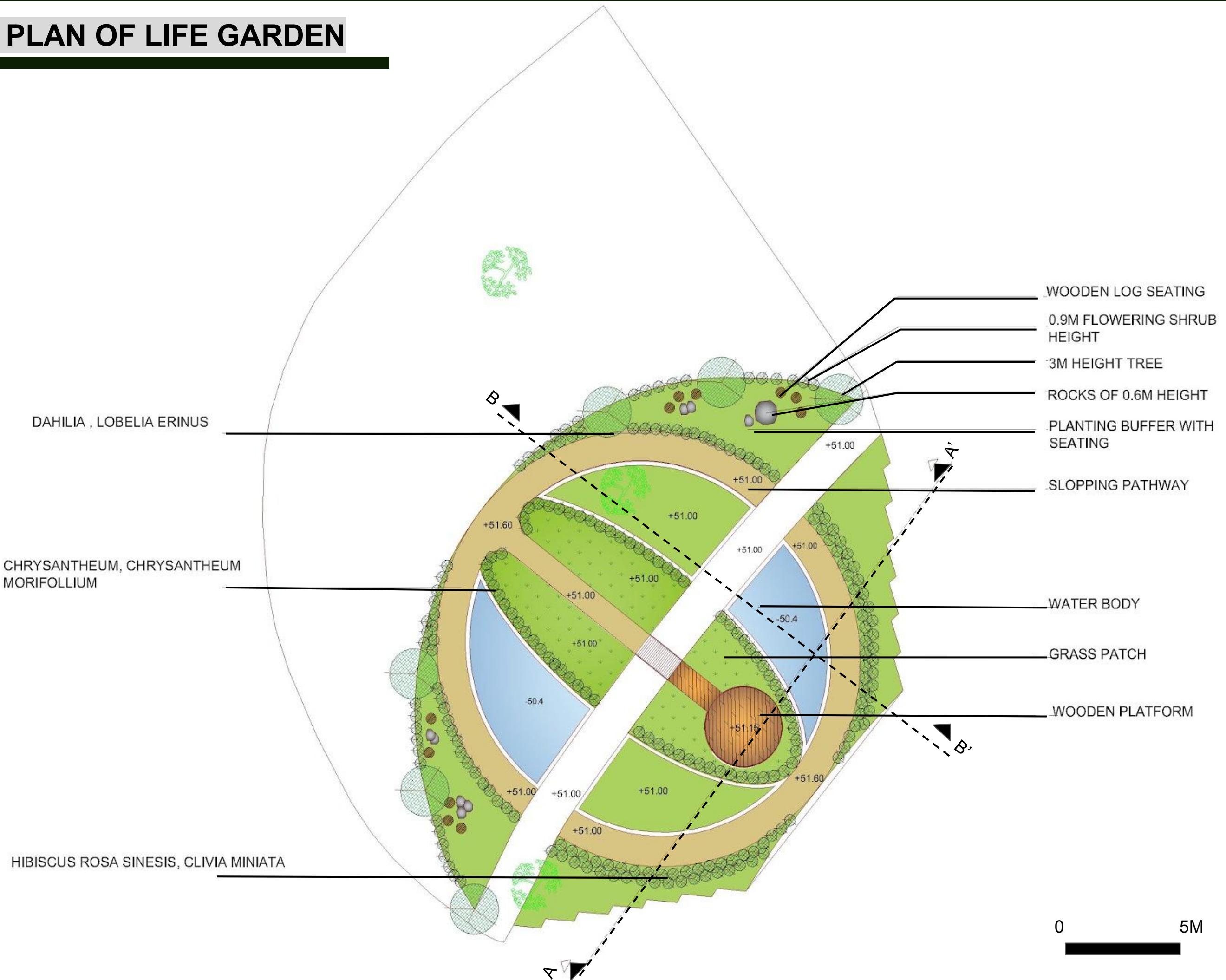


STAGE 2

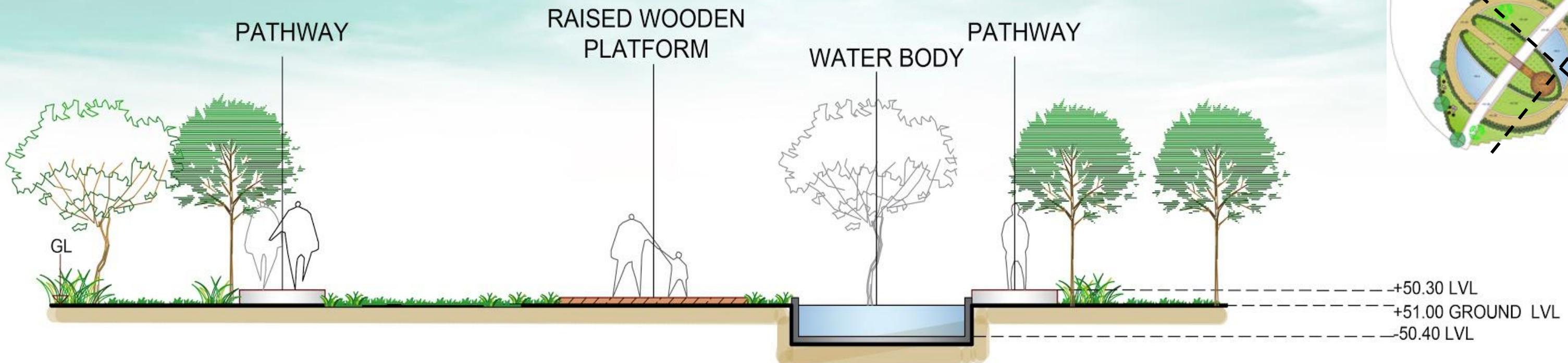


STAGE 3

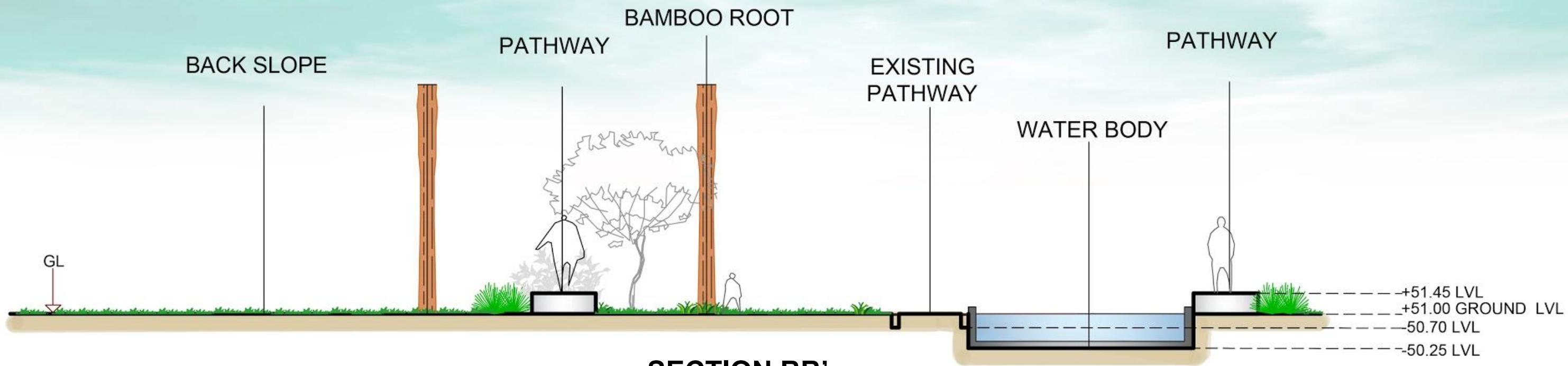
# CAD PLAN OF LIFE GARDEN



# SECTIONS OF LIFE GARDEN



SECTION AA'



SECTION BB'



## 3D MODEL - LIFE

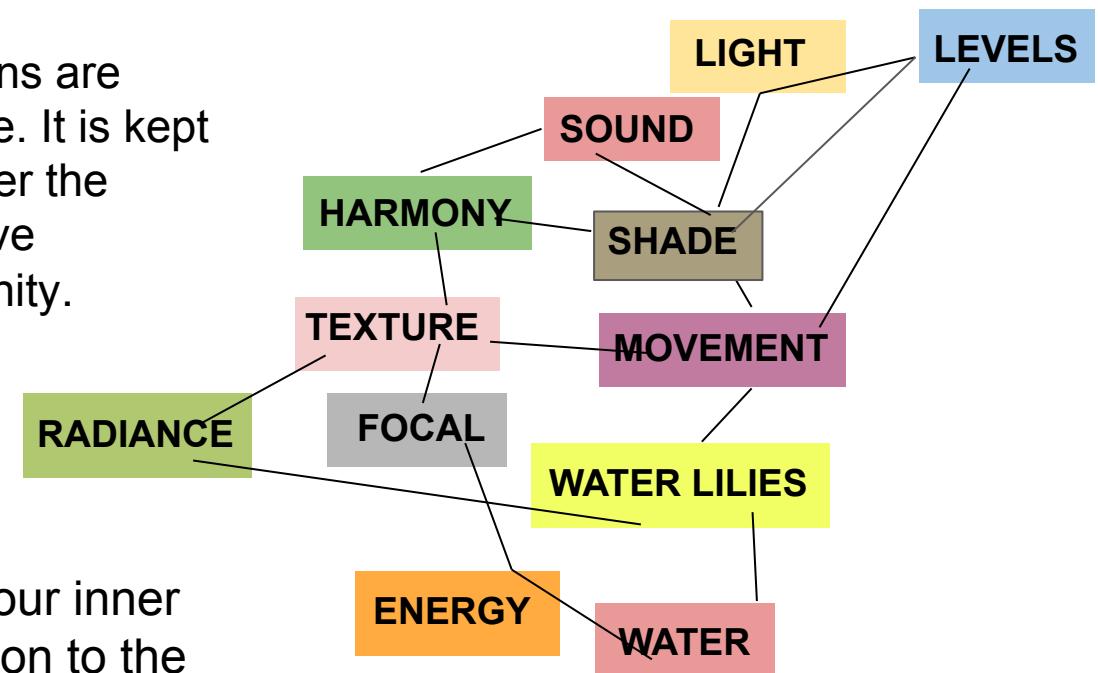


## CONCEPT - POWER

A large part of these gardens are covered by the Banyan tree. It is kept in mind that the space under the Banyan is used for collective meditations by the community.

### POWER

True power is to awaken our inner spirit, to our own connection to the divine and act on what you are inspired to do. It is something which can be experienced in various forms such as motion, gravity, speed, sound. Power lies between consciousness and unconsciousness and how it influences us and our surrounding. Power is about aesthetics and creating a space that is directly or indirectly impacting a person's presence in the space which is visually satisfying. The space is concerned with all possibilities of material realization of aesthetic condition. This garden elements will lead to a differentiation between crude and subtle descriptions of aesthetic conditions which can also be characterized as macro and micro aesthetics.



CONCEPTUAL SECTION

### DESIGN DESCRIPTION

The proposed design consists of 3 different levels each level creating a unique experience in itself while traveling through space. The first level which is the ground level acts as an entrance with a central water body which has a bamboo wind chime post radiating from its centre. The second level consists of seating surrounded by lush green shrubs which gives a feeling of enclosure. The third level is a combination of both interaction with nature and sense of sharing a space with other humans as there is a very minimal and informal seating incorporated in the design. There are small water bodies on the either sides which are connected with stepping stone pathway which lead to very gradual mounts where one can sit.



STAGE 1

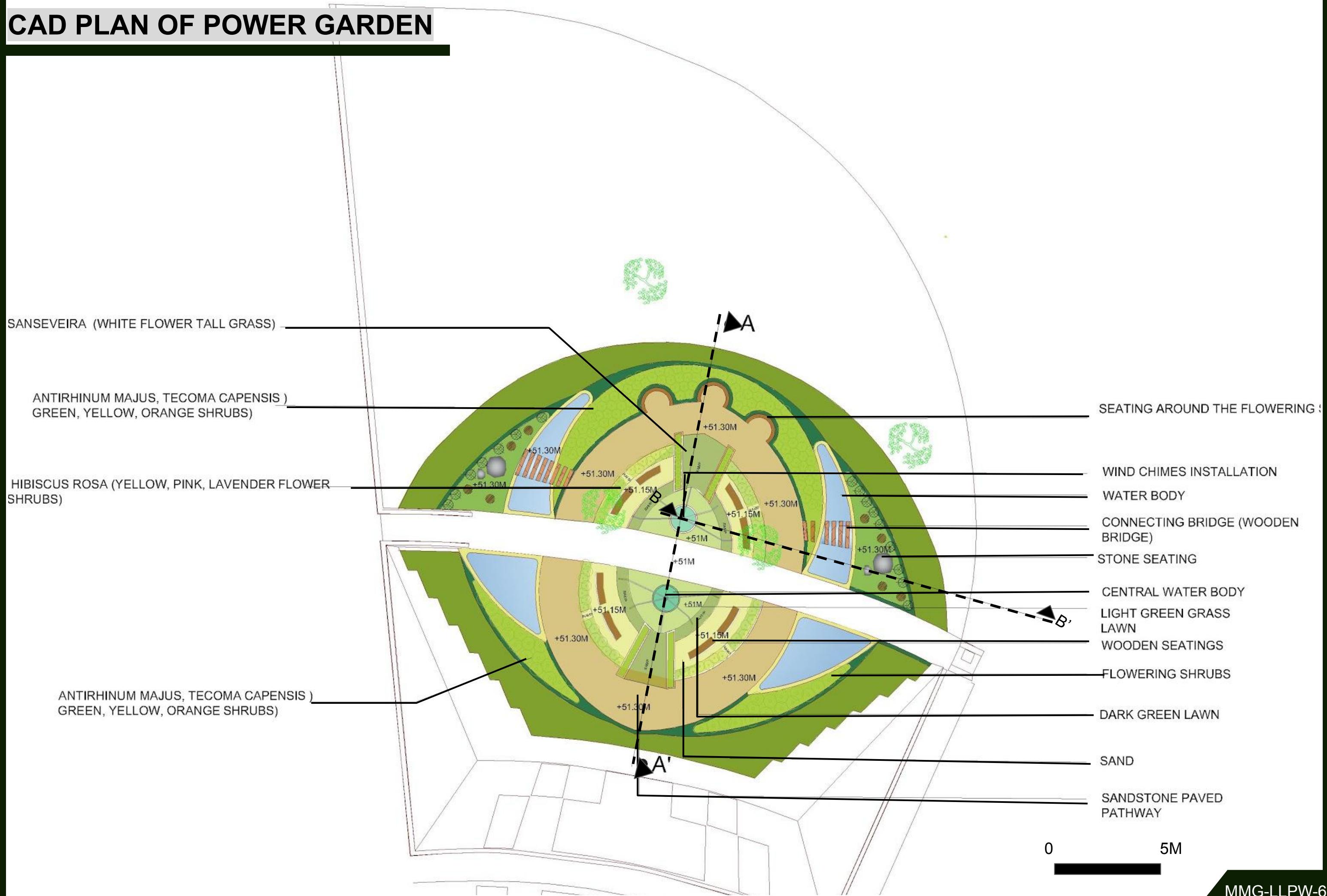


STAGE 2



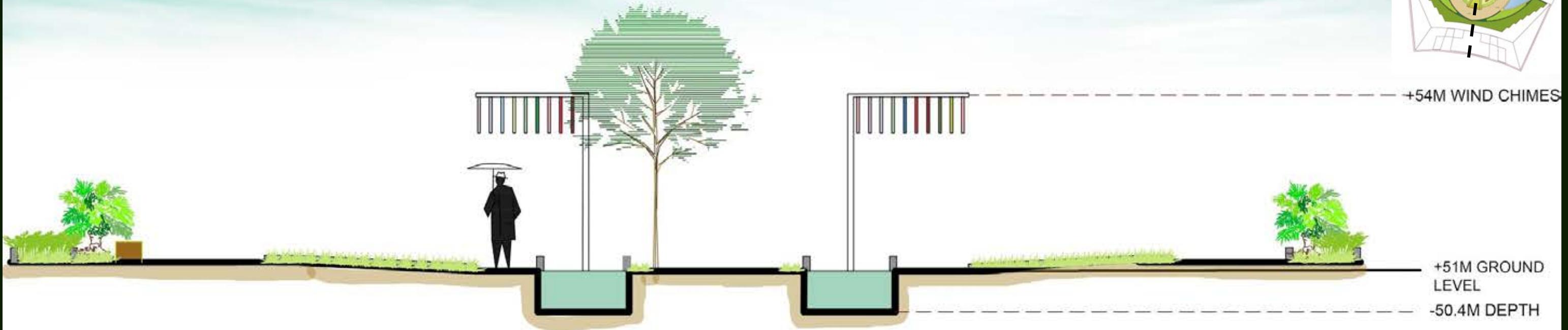
STAGE 3

# CAD PLAN OF POWER GARDEN

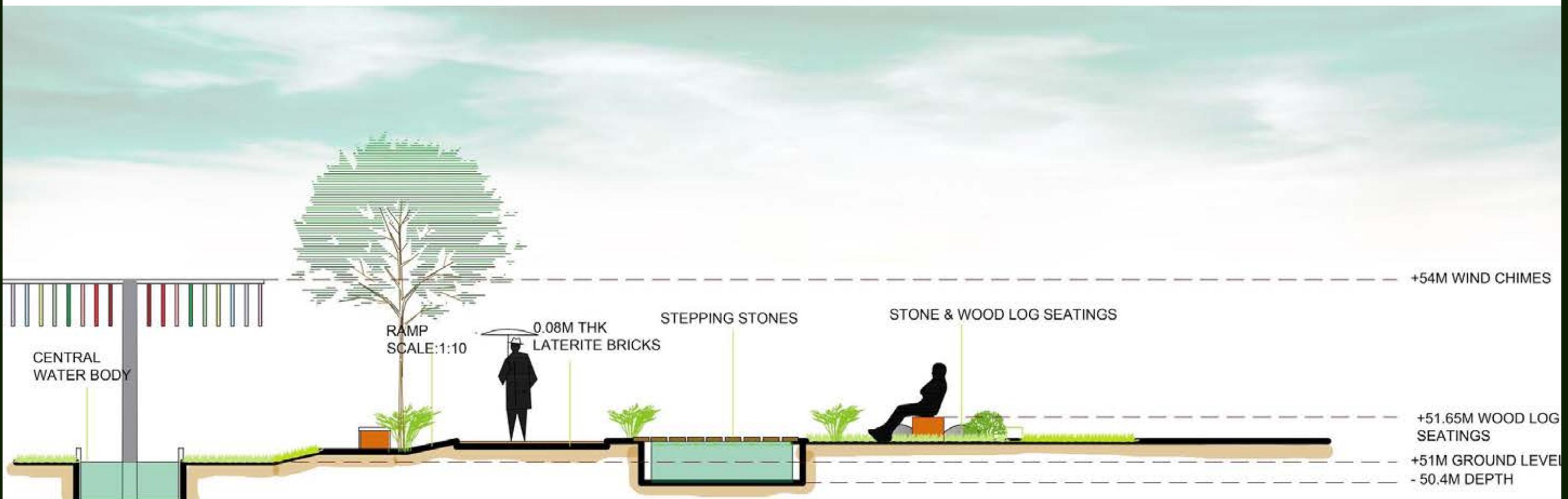


0 5M

## SECTIONS OF POWER GARDEN



SECTION AA'



SECTION BB'



## 3D MODEL - POWER

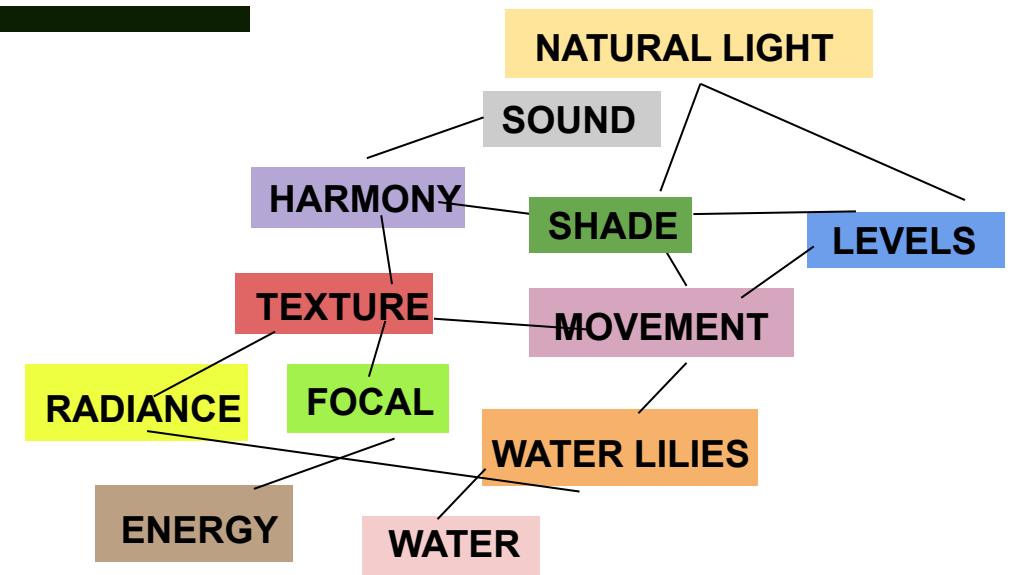


# CONCEPT - WEALTH

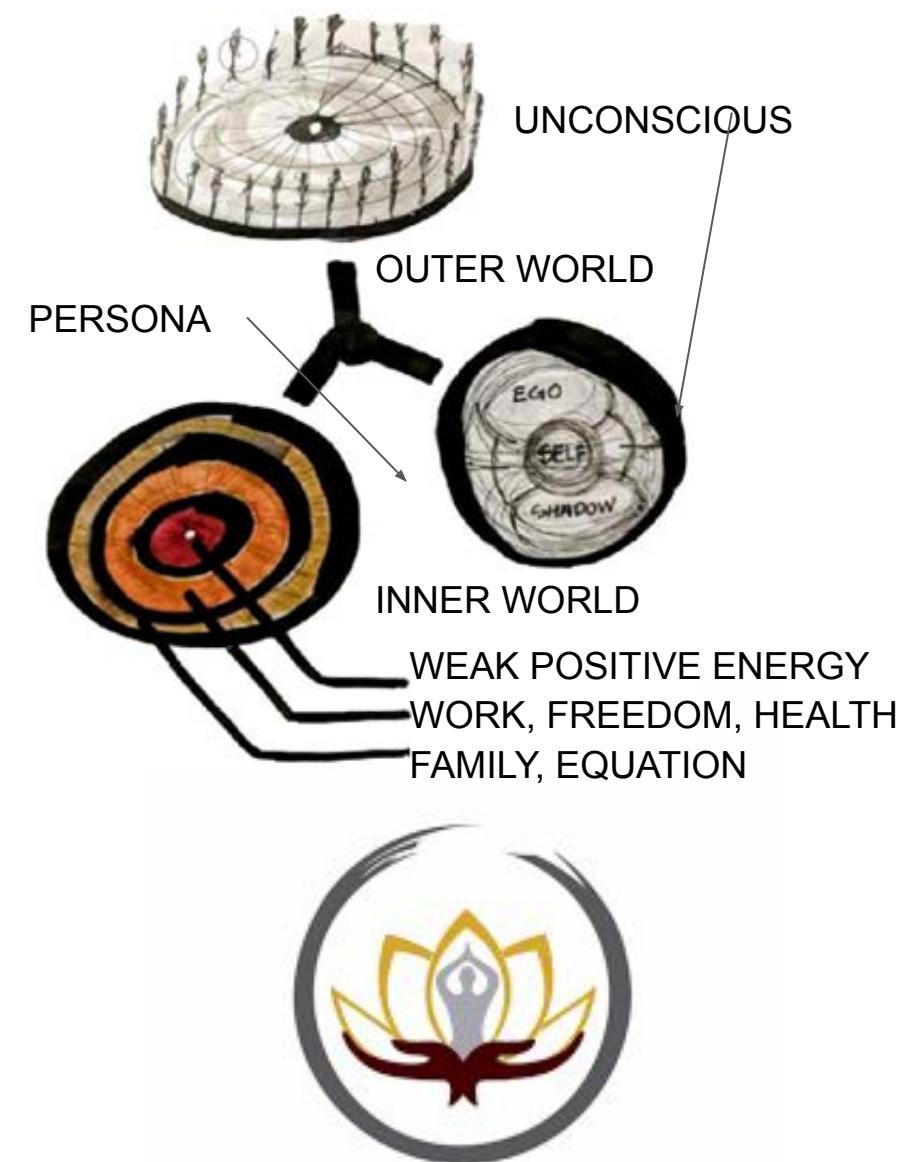
## WEALTH

True offering is providing positive vibes to the space which one abides in. Person should exude positiveness through their presence, words or gestures, so that generates a unique radiance in a space when there is positive energy. "The progress in sadhana comes from rectification of the inner and outer attitude" - Sri Aurobindo

Talking about the wealth garden, This is created to devote our personal offerings to the DIVINE, and what can one offer to the divine who is the prime of all. We can do our share by protecting what we are blessed with and create harmony, peace and positive energy. Wealth garden is that zone where one can come and connect with nature's elements and feel peaceful and devote themselves to the divine by meditating and creating positive vibrations, that will be a true and pure offering to the divine.



WHOLE WORLD RUNS BEHIND WEALTH



## DESIGN DESCRIPTION

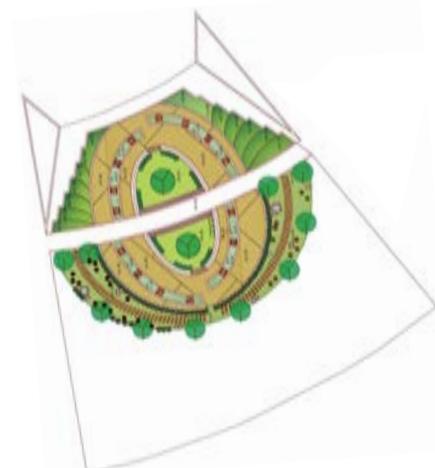
The proposed garden consists of a level down zone which has a central tree on both the sides with an existing pathway passing from the middle. This zones will be having a fine lawn setting where one can sit and meditate around the tree on the mother earth along with some flowering shrubs around the level down zone, creating a enclosure. As one steps up the next zone there are very low level seating for a person to sit and meditate on the water body which give a sense of floating surrounded by water lilies. These water bodies along with seating create a very concentric lines in the space. Whereas on the edge portion of the garden which is towards the Matrimandir, there are very gradual steps created with grass on it which can be utilised to sit. The other half is a very informal space which has shrubs and trees around it with rocks and wooden log seating on various intervals.



STAGE 1

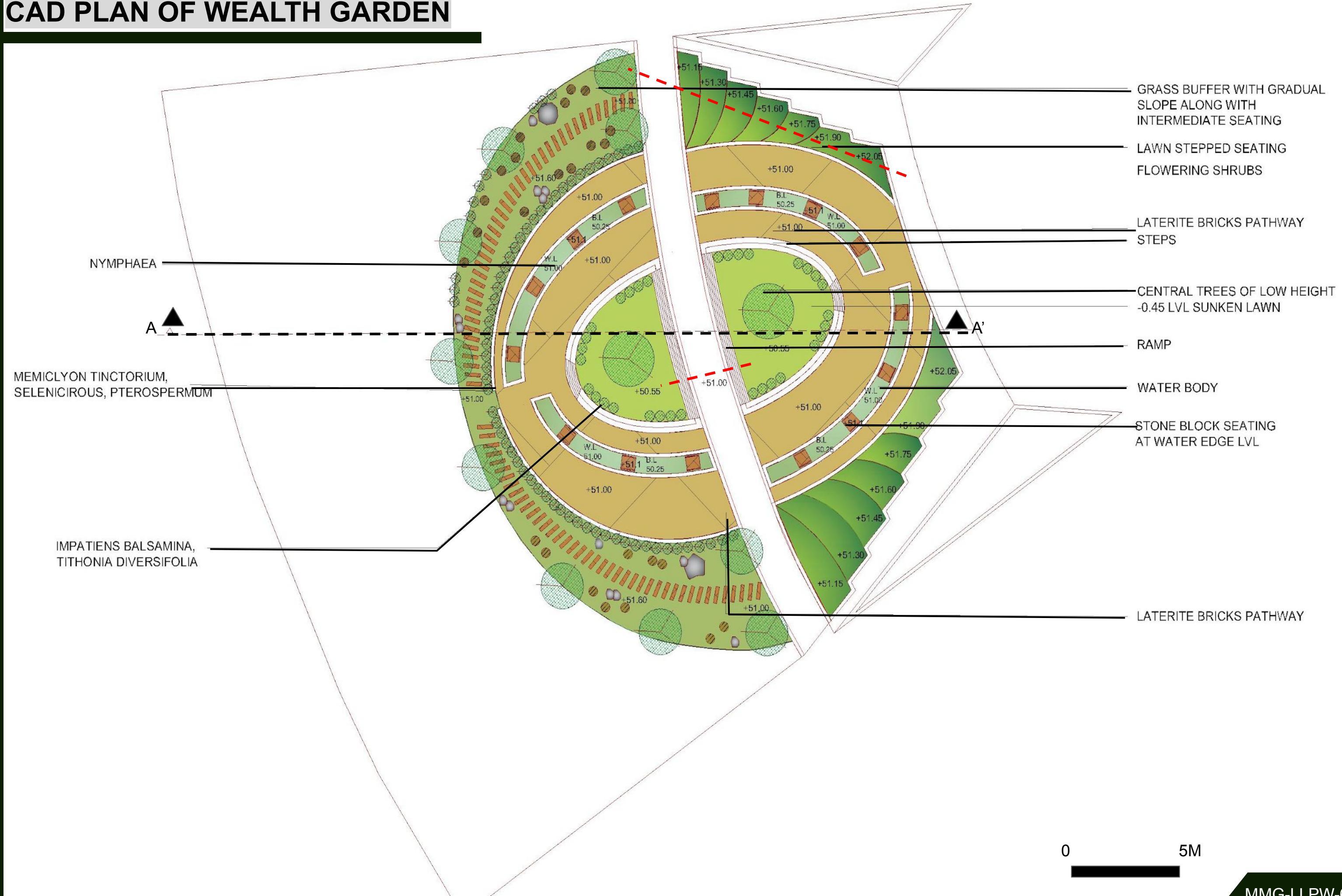


STAGE 2

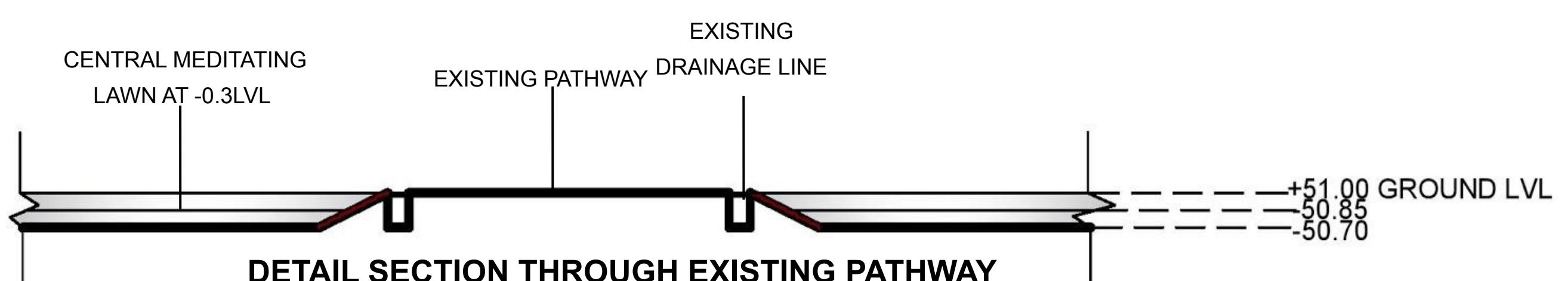
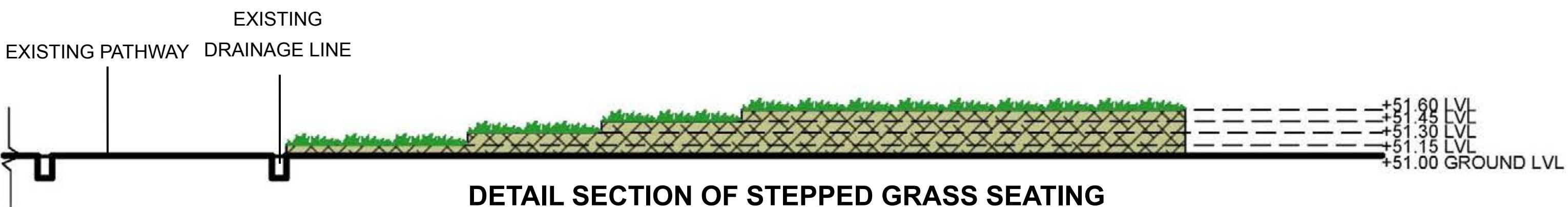
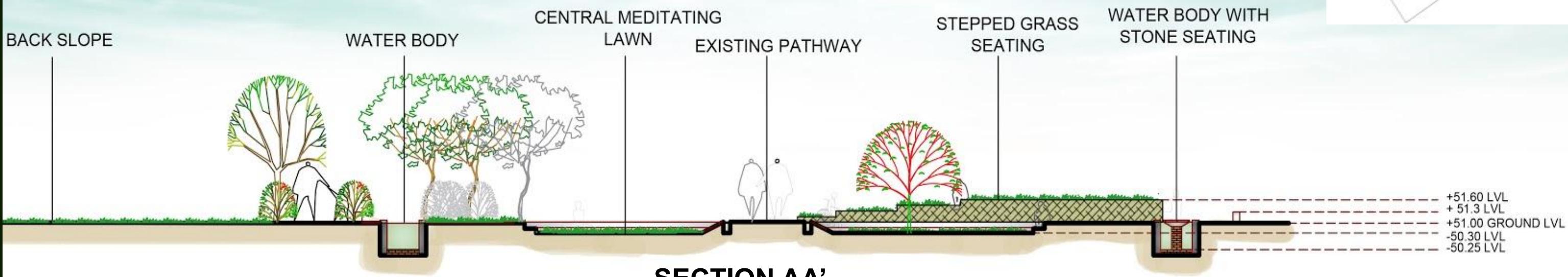


STAGE 3

# CAD PLAN OF WEALTH GARDEN



# SECTIONS OF WEALTH GARDEN



## 3D MODEL - WEALTH



## MATERIALS & LIGHTINGS



LATERITE BRICKS



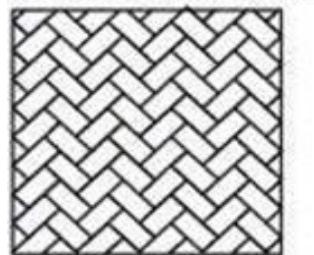
RED AGRA SANDSTONE



FLY ASH CEMENT



RAW GRANITE STONE



45 degree herringbone



TEAK WOOD



SLATE ROCK PEBBLES



BAMBOO



WHITE MARBLE



GRANITE SLABS



STAINLESS STEEL



SAND



SLEEK BOLLARD



SUDO MINI OPEN FRAME



LED UNDERWATER



IN-GROUND ONE WAY

ID NO- 4823/24  
WATTAGE- 8W LED E27  
HEIGHT- 1005MM

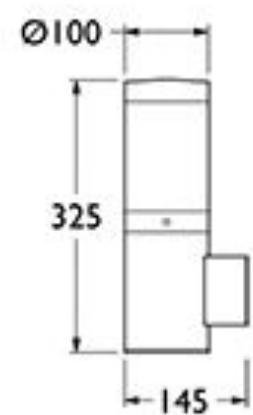
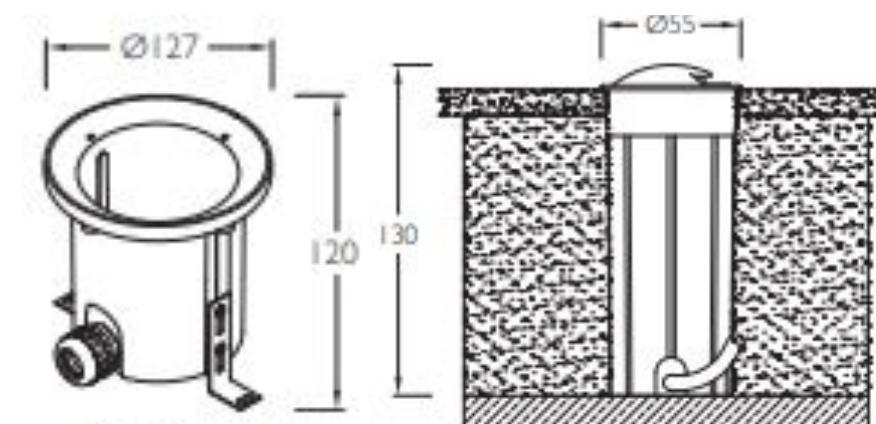
ID NO-2753  
WATTAGE- 6W LED  
LENGTH- 255

ID NO- 4105  
WATTAGE- 4x2W LED  
WW  
VOLTAGE.- 24V DC

ID NO- 4133  
WATTAGE- 3 WATTS  
COLOR TEMP.- CW WW



SITE PLAN OF ALL THE FOUR GARDENS



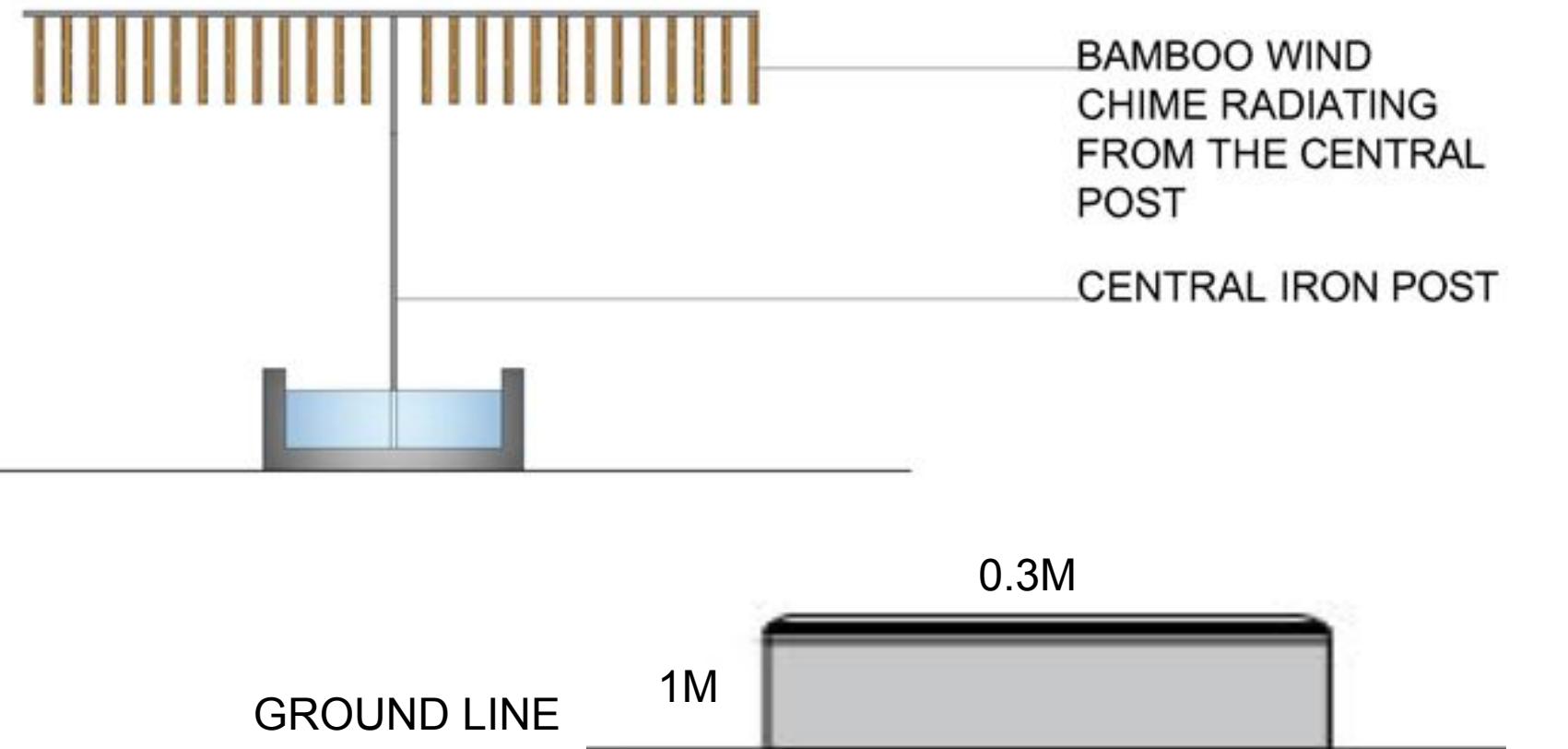
## DETAILS



BAMBOO WIND CHIMES



GRANITE SEATING EMBEDDED WITH LED STRIP LIGHT



FRONT VIEW OF LOW HEIGHT SEATING



PLAN

## FLOWERS USED FOR LIFE GARDEN



Chrysanthemum



Chrysanthemum



Clivia miniata



Dahlia



Tristellateia  
australasiae



Myrtus communis



Dahlia



Episcia cupreata



Hibiscus rosa  
sinensis



Hibiscus rosa  
sinensis



Lobelia  
Erinus



Pitcairnia museosa

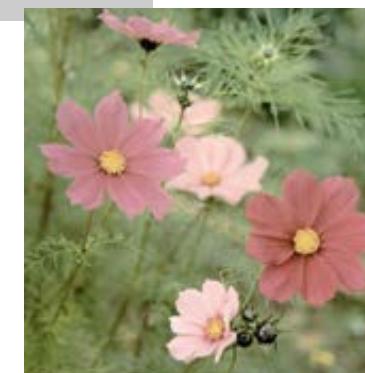
## FLOWERS USED FOR LIGHT GARDEN



Helianthus



Lantana



cosmos



Crossandra infundibuliformis



Solenostemon  
scutellarioides



Clerodendrum  
indicum



Cestrum  
elegans



Laburnum  
anagyroides



Cestrum  
diurnum



Salvia  
splendens



Azadirachta indica



Hibiscus rosa  
sinensis

## FLOWERS USED FOR POWER GARDEN



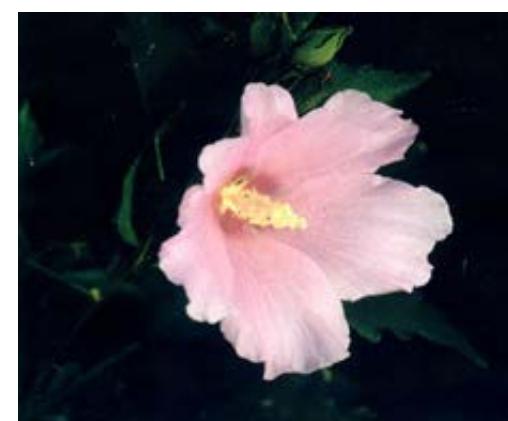
*Antirrhinum majus*



*Antirrhinum majus*



*Hibiscus rosa*



*Hibiscus syriacus*



*Tecoma capensis*



*Hibiscus rosa*



*Hibiscus rosa*



*Hibiscus rosa*



*Hibiscus rosa*



*Sansevieria*

## FLOWERS USED FOR WEALTH GARDEN



*Cereus*



*Impatiens balsamina*



*Cactaea*



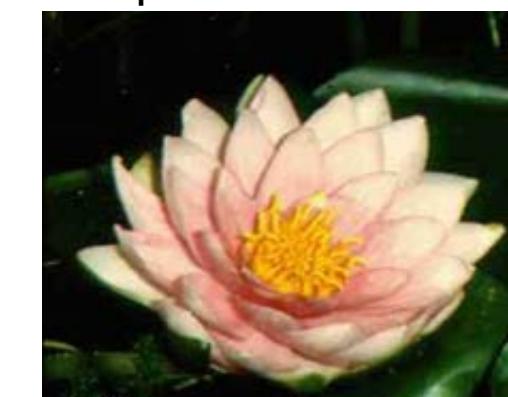
*Impatiens balsamina*



*Selenicereus*



*Memiclyon tinctorium*



*Nymphaea*



*Nymphaea*



*Nymphaea*



*Tithonia diversifolia*

## VIEWS



L  
I  
G  
H  
T

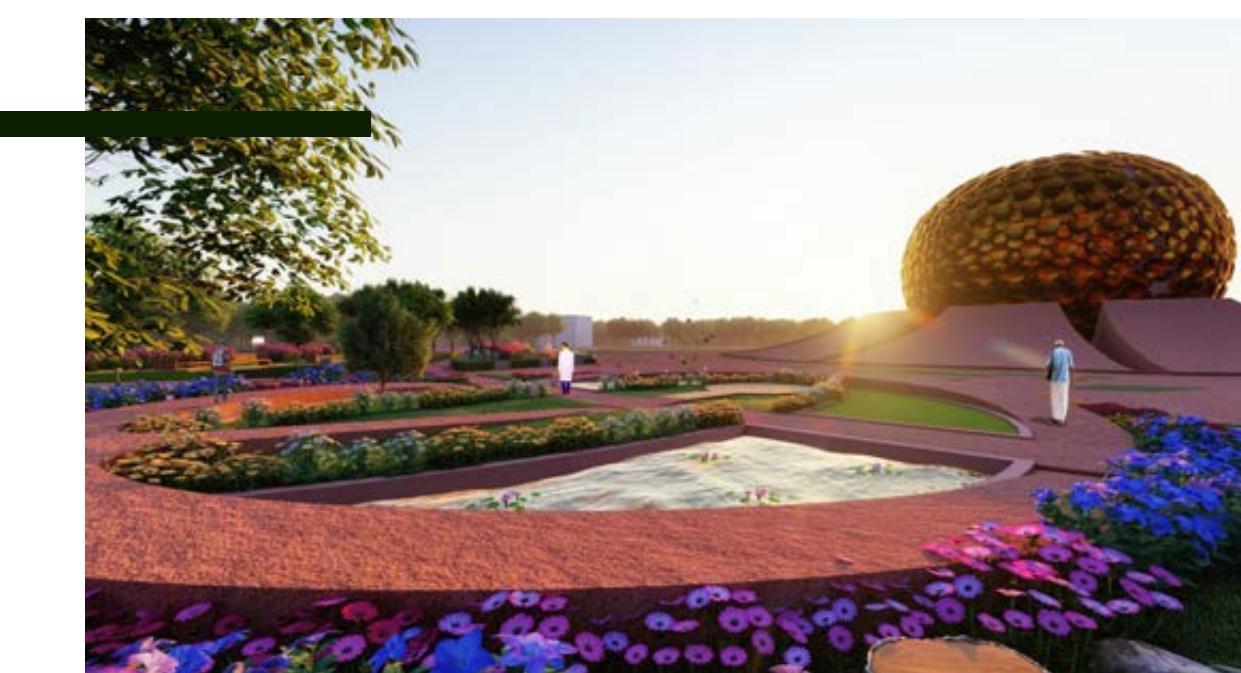


W  
E  
A  
L  
T  
H



# VIEWS

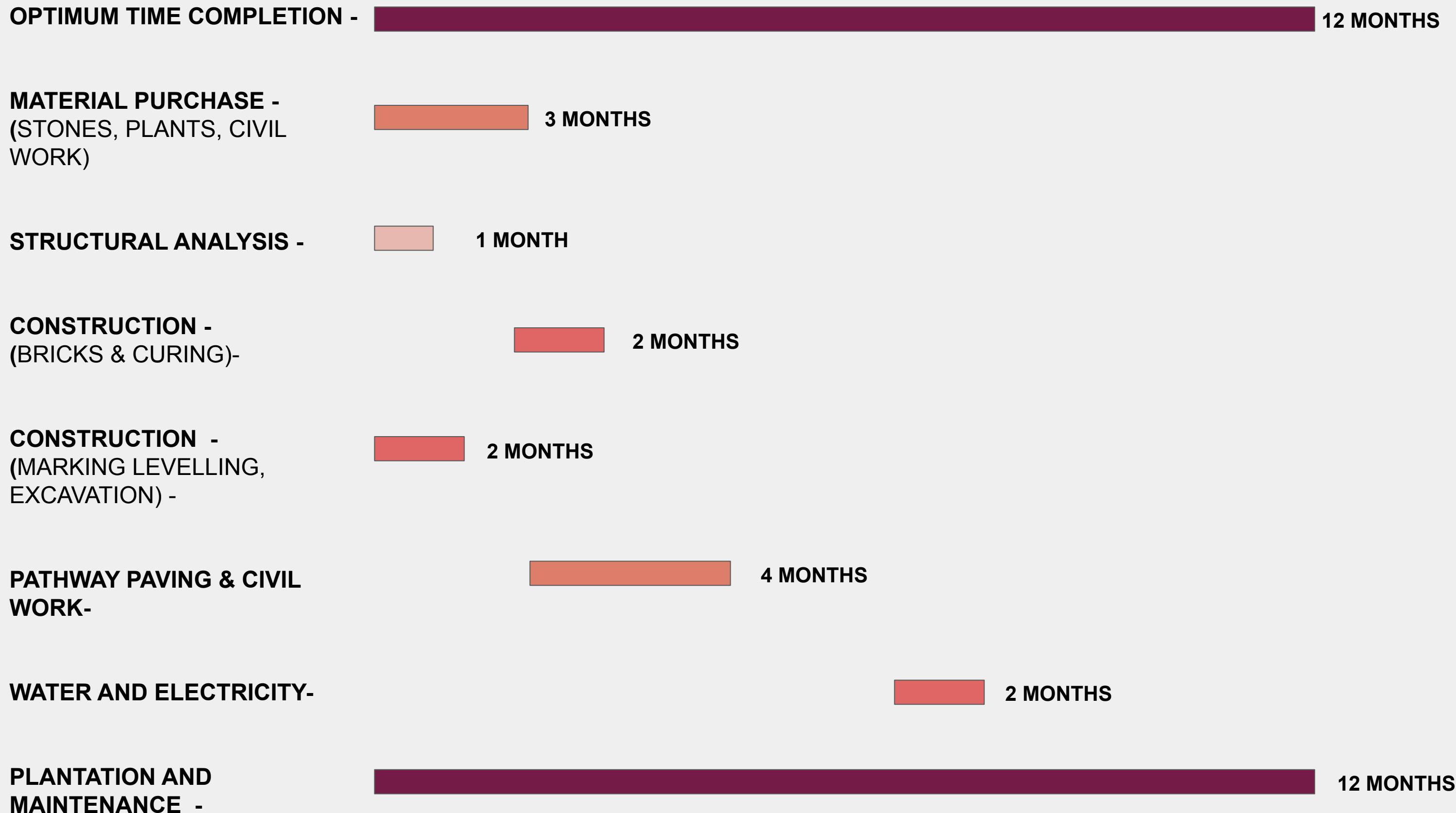
L  
I  
F  
E



P  
O  
W  
E  
R



## PROJECT TIMELINE



## BIBLIOGRAPHY

---

<http://www.matrimandir.org/>

<https://www.auroville.org/>

[https://worldarchitecture.org/articles/cvcep/a\\_modern\\_temple\\_for\\_all\\_religions\\_roger\\_angerdesigned\\_matrimandir\\_in\\_auroville.html](https://worldarchitecture.org/articles/cvcep/a_modern_temple_for_all_religions_roger_angerdesigned_matrimandir_in_auroville.html)

<https://en.wikipedia.org/wiki/Matrimandir>

<http://www.flowersofindia.net/>

<https://rkdezine.wordpress.com/tag/matrimandir/>

Auroville city area - Land Suitability and Land Use Proposal April -May 2014

[Product Details - K-lite](#)

[Average Weather in Auroville, India, Year Round - Weather Spark](#)

[How to Design a 5 Senses Garden - Garden Weasel](#)