

ARCH3461:LANDSCAPE ARCHITECTURE: FEATURE PAVING DESIGN PROJECT

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PART 1:INTRODUCTION TO THE PROJECT



INTRODUCTION TO THE PROJECT

Each student is to propose a distinctive feature paving design through applying of design elements and design principles. Due to covid circumstances, the feature paving could be integrated into any site to our choosing. The feature paving can be interspersed with appropriate planting space(s) or public amenities.

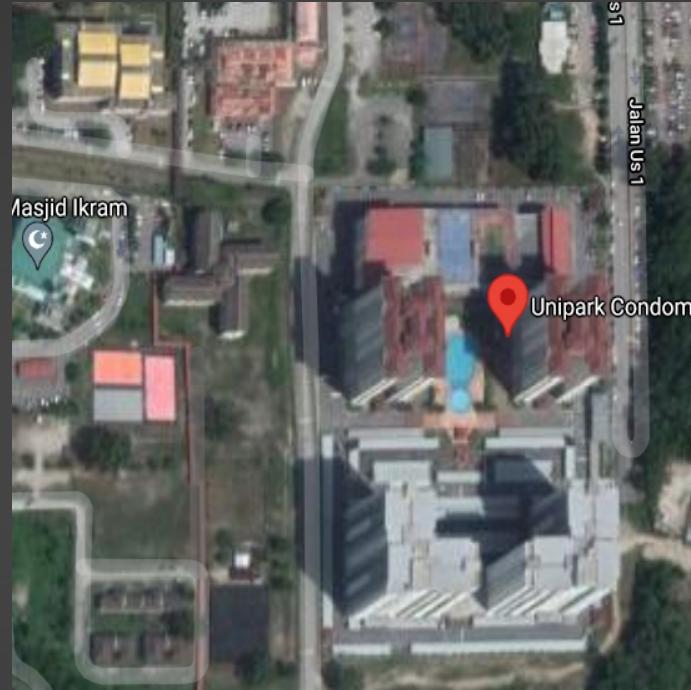
INTRODUCTION TO THE PROJECT

INFORMATION ABOUT THE SITE



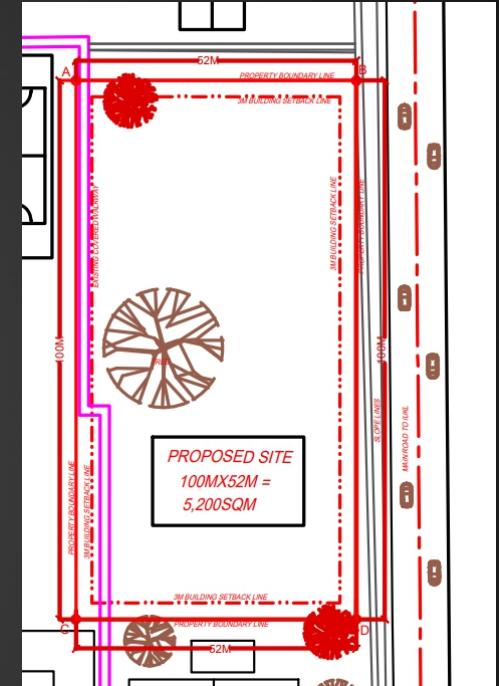
LOCATION PLAN:

The location that was chosen is the Kajang district, specifically Bangi.



KEYPLAN:

As for the site, an empty space behind Unipark condominium, next to the Ikram mosque, was chosen due to it being the closest and it being our case study in the previous studio



PROPOSED SITE:

The site is a 100X52 meter square empty greenland. It isn't used for anything, and the space is wasted, whilst it having the potential to be very useful

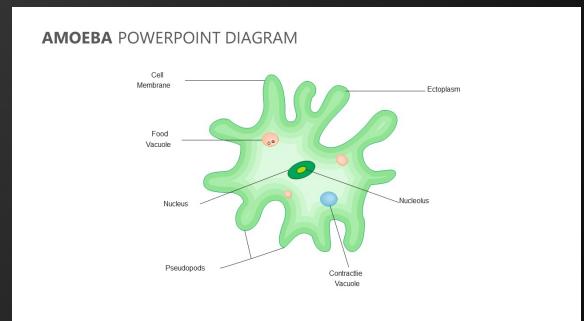
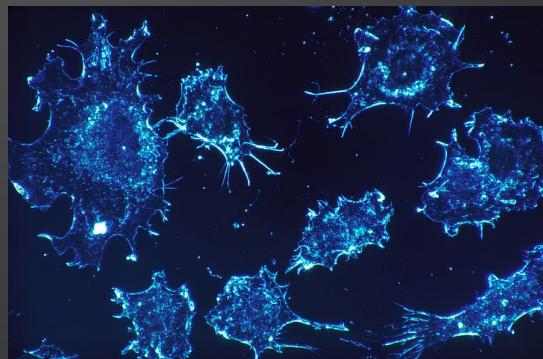
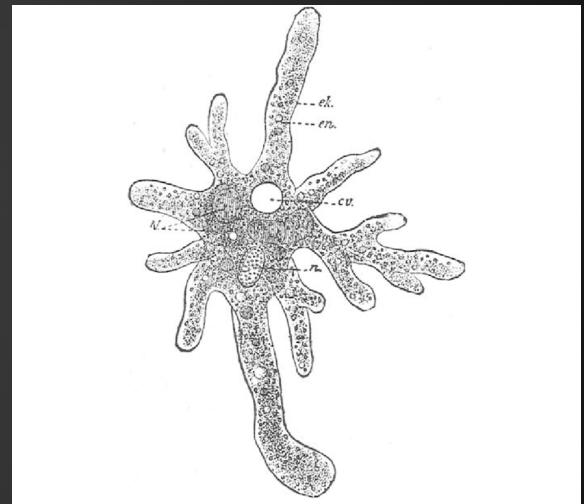
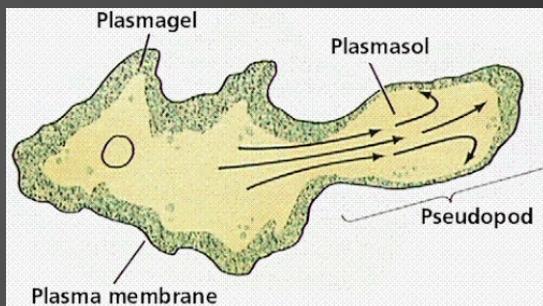
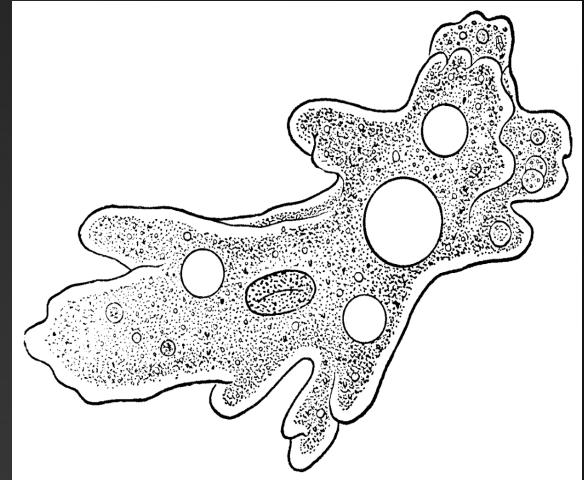
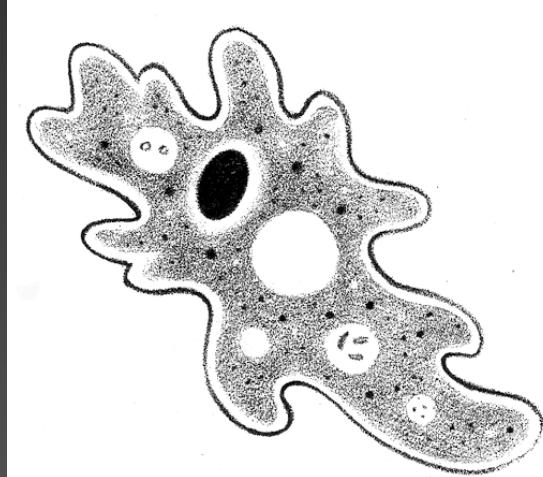


PART 2:DESIGN IDEAS

DESIGN CONCEPT OF FEATURE PAVING:

MAIN CONCEPT:

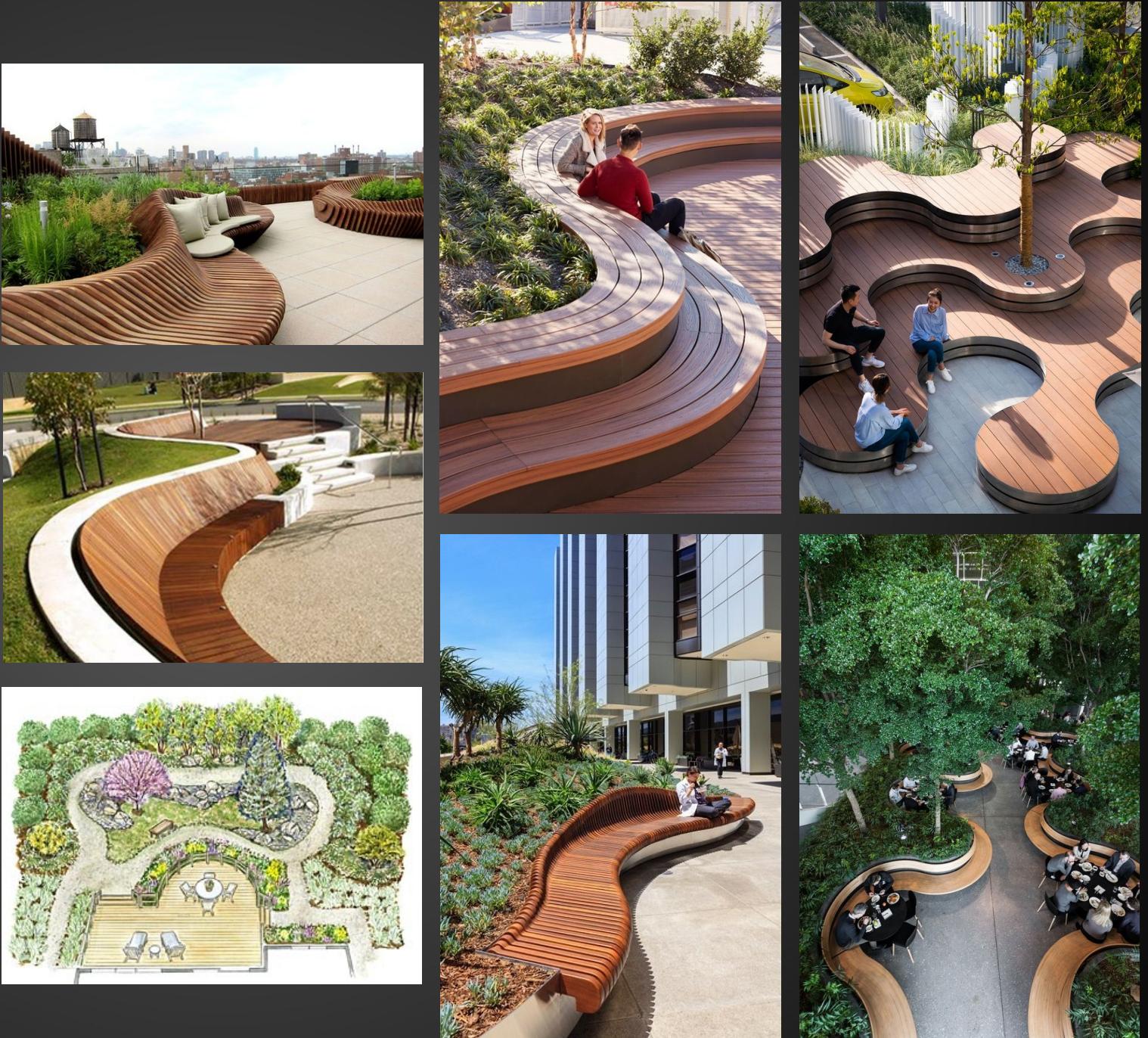
One of the key inspirations that came to mind when designing the landscape was the idea of an Amoeba. Amoebas tend to have a very random and unorganized way of movement and in some cases spreading. So the unorthodox movements in this case helped me create spaces that sort of stretch out from one end to the other, and once it latches on, it goes on and moves forward to the next space.



DESIGN CONCEPT OF FEATURE PAVING:

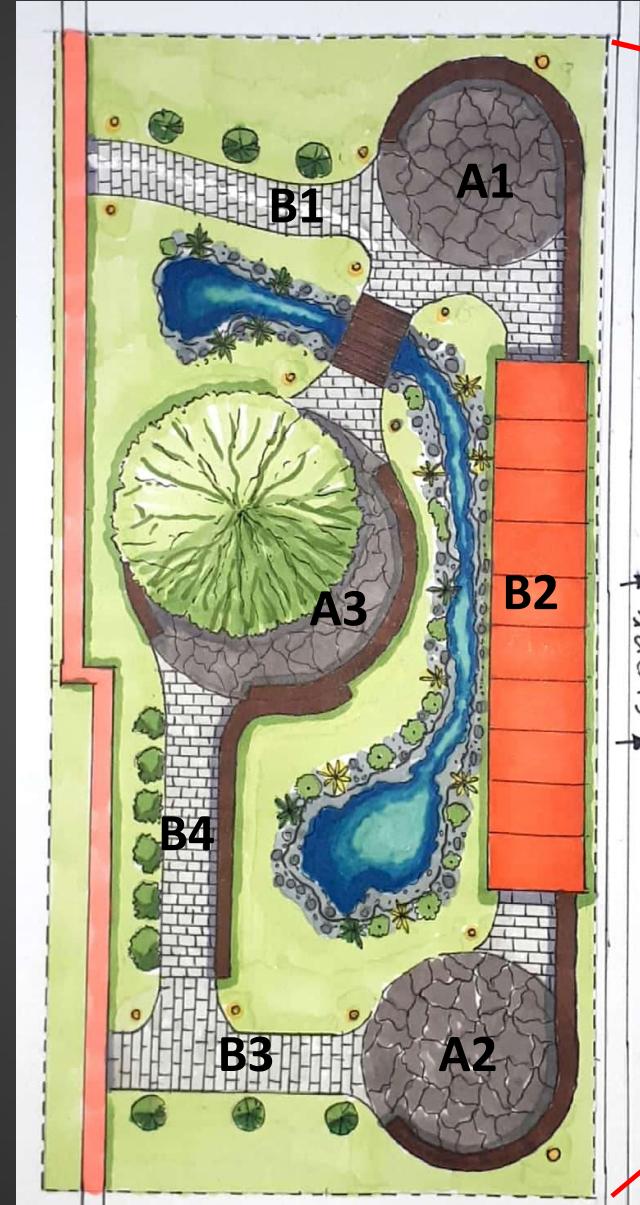
SUPPORTING CONCEPT:

- So with the Amoeba's movement in mind, the concept was further enhanced by different references,
- Mainly landscape designs with a lot of curves in them, and have very curvy interconnected pathways between each space.
- It was intended to use curves so that the transitions can be smoother and more natural.



DESIGN CONCEPT OF FEATURE PAVING:

LETTER	CONTENT
A1, 2, 3	SPACES WITH DOMINANT PAVEMENTS: USING CRAZY PAVEMENT
B1, 2, 3, 4	SHADED PAVING WITH GRANITE COBBLESTONE PAVEMENT



SOFTSCAPE DESIGN ELEMENTS USED:

PELTOPHORUM PTEROCARUM

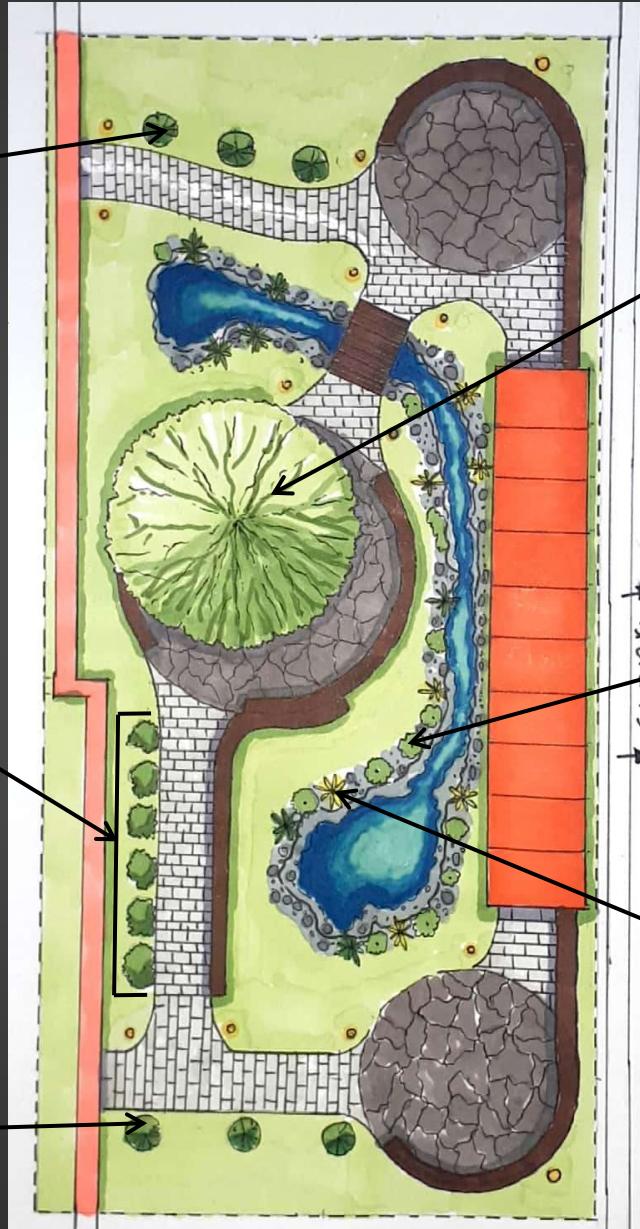
GREEN VELVET BOXWOOD



RED IXORA SHRUB



GREEN VELVET BOXWOOD



POLYGALA MYRTIFOLIA



FURERAEA FOETIDA VARIEGETH



SOFTSCAPE ELEMENTS USED:

GREEN VELVET BOXWOOD	RED IXORA SHRUB	PELTOPHORUM PTEROCARUM	POLYGALA MYRTIFOLIA	FURERAEA FOETIDA VARIEGETH
 <ul style="list-style-type: none"> It is a compact, board mounded evergreen shrub with a lush foliage of opposite glossy dark green leaves. Typically grows 3–4 feet tall They are evenly moist, well drained soils Very versatile 	 <ul style="list-style-type: none"> Ixora is a genus of flowering plants in the family of rubiaceae It is grown in mostly tropical and subtropical climates These shrubs produce a large cluster of tiny flowers. 	 <ul style="list-style-type: none"> It is a deciduous tree growing up to 15–25m with a trunk diameter of 1m . The leaves are Bipinnate, 30–60 cm long It is widely grown in tropical regions as an ornamental tree 	 <ul style="list-style-type: none"> It is an evergreen 2–4 m tall south African shrub It is a fast growing pioneer plant, which is a typical fynbos component The attractive mauve sweetpea-like flowers, which close at night have a variety of other colors too 	 <ul style="list-style-type: none"> It is a succulent perennial Its main characteristic is its upright long sword shaped leaves with slightly wavy margins It Grows up to 1.2 –1.5 m tall Easily grown in rich, well drained soils

HARDSCAPE DESIGN ELEMENTS USED:



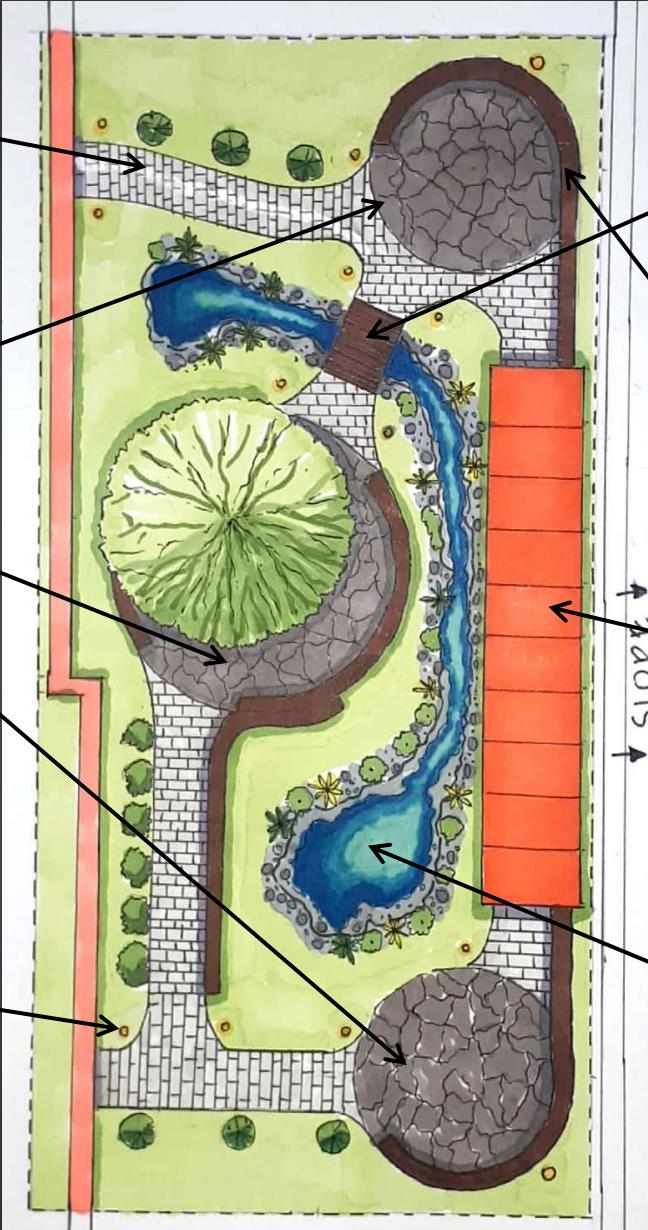
GRANITE
COBBLESTONE PAVEMENT



CONCRETE CRAZY
PAVEMENT



TIMBER CURVED
SEATING



POND/STREAM WATER FEATURE



MINI TIMBER BRIDGE



TIMBER CURVED
SEATING



ORANGE
POLYCARBONATE ROOF

HARDSCAPE ELEMENTS USED:

GRANITE COBBLESTONE PAVEMENT	CONCRETE CRAZY PAVEMENT	TIMBER CURVED SEATING	ORANGE POLYCARBONATE ROOF
			

GRANITE COBBLESTONE PAVEMENT

- Refers to small blocks of paving material made from natural stone.
- They are either set in sand or bound together by mortar.
- It is very durable and can withstand the harsh weather climates of the site
- They add variety to the pavements

CONCRETE CRAZY PAVEMENT

- They are the dominant pavement style in this landscape
- They are positioned in the main spaces spread around the landscape to help balance out the elements all around the site
- They are very sturdy and versatile
- They also have a low mainance
- adds a natural more real feel to the landscape

TIMBER CURVED SEATING

- It is one of the key features of the landscape
- They give a sence of warmth and sturdiness at the same time
- The blend in the the edges of the payments well and make the site seem more proactive and approachable.

ORANGE POLYCARBONATE ROOF

- It adds alot of visual appeal to the landscape, even when exposed to the sun
- They can take anyshape or color
- They can be either absolutly clear or opaque
- They are structurally sound
- They have low maintanance.

HARDSCAPE ELEMENTS USED:

MINI TIMBER BRIGE	POND/STREAM WATER FEATURE	SOLAR POWERED LAMPS
		

• The bridge is another key feature of the landscape, where it acts a transitional pathway to another space

• The bridge will be curved over the small water feature stream of the landscape

• Made up of sturdy timber to follow the consistency of the seating materials

• It helps in bringing the sound of nature to the site.

• It will attract some wildlife, and enhance the local ecosystem

• They are very adaptive and can fit smaller places

• They require little maintenance

• They help in making the landscape unique in its own way.

• Solar powered elements are very resourceful

• They can easily recharge during the day because the site is exposed to the sun a lot during the day

• They require low maintenance

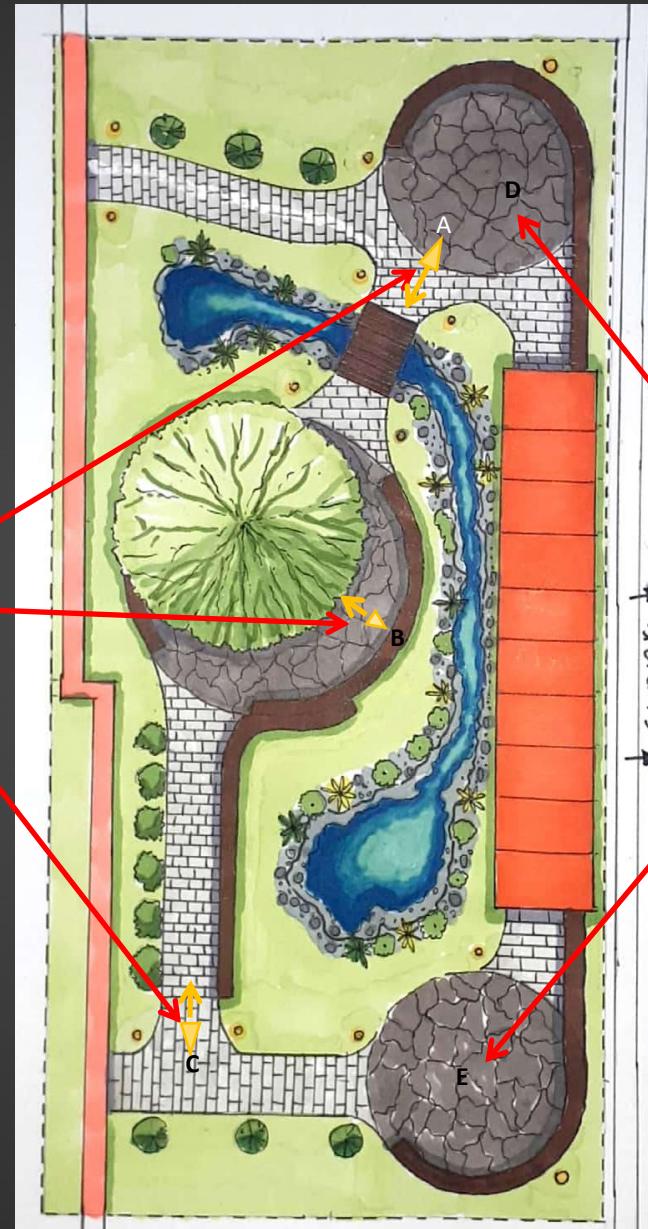
• They make the landscape more accessible all day around due to it using the energy it stored during the day.

DESIGN PRINCIPLES USED

01

FOCALIZATION

- In these three spots, visitors can visually experience the focalization principle of the landscape.
- With the pavement leading them towards the tree, in (A) and (C), while in (B) the seating area directly shows both pavements leading the tree.



02

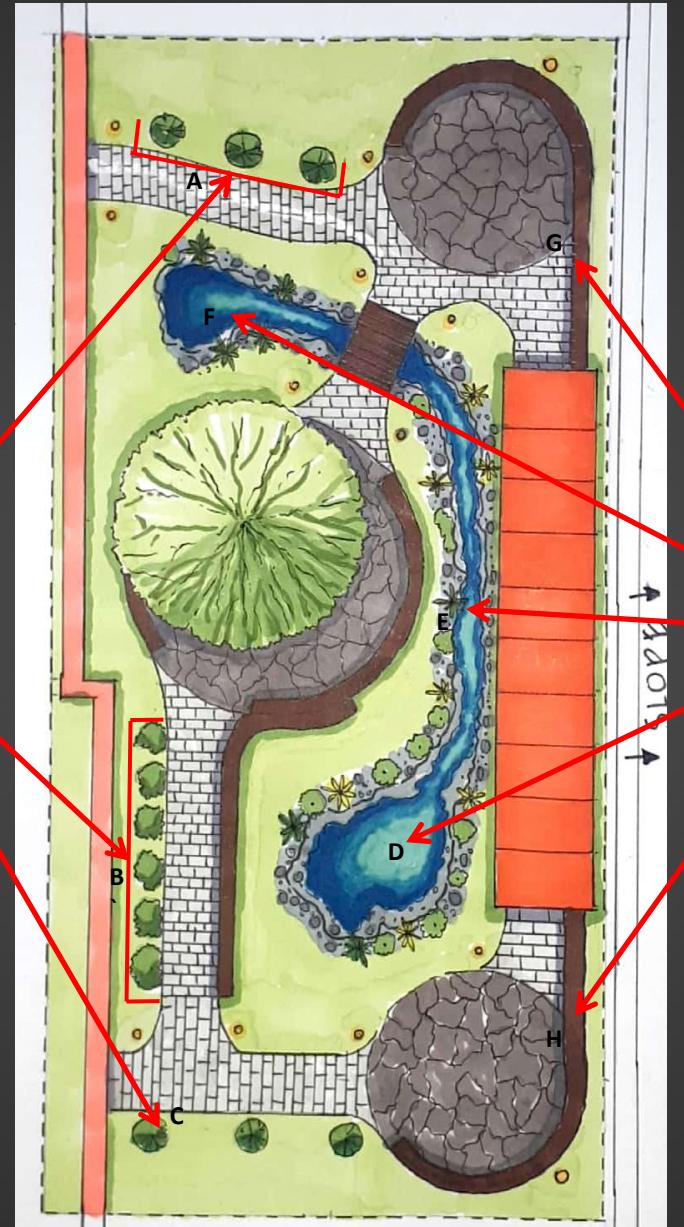
BALANCE

- The spaces (D) and (E), are located in such positions to balance out the symmetrical factor of the landscape.
- In almost every pathway that would lead to a space, there are different elements that combine together that make every transition unique.

DESIGN PRINCIPLES USED

03 REPITITION

- In (A, B and C) repetitive softscape elements are positioned there to provide a common feature and link these areas together.



04 RYTHM AND SEQUENCE

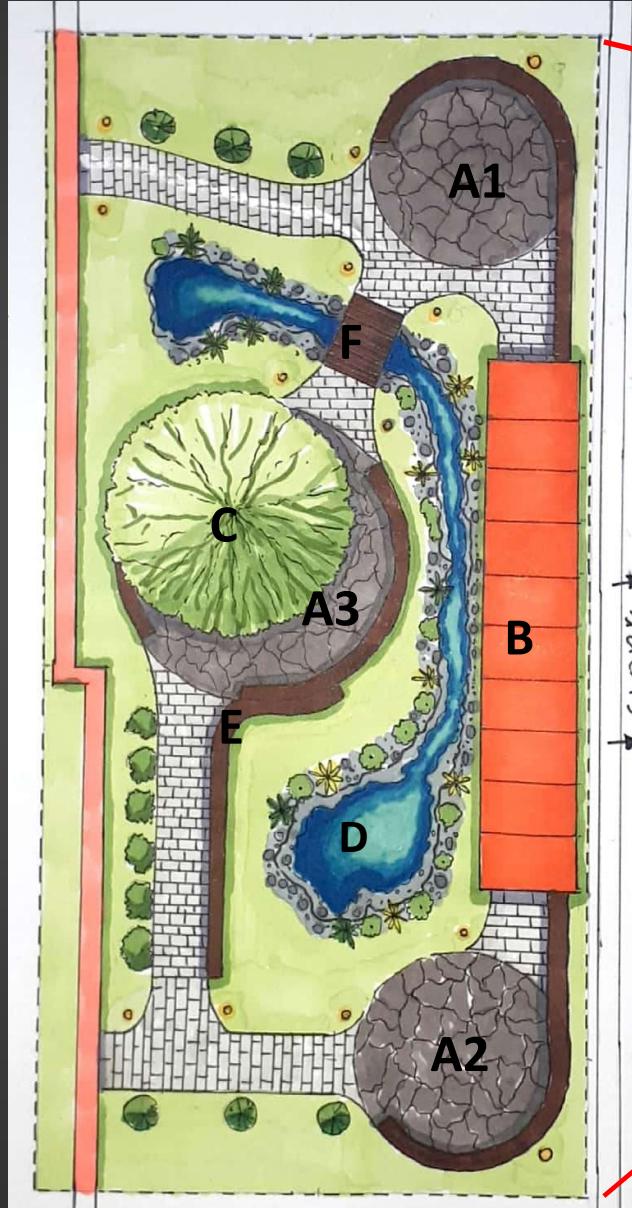
- In the locations (D, E and F), is another key element that somewhat unifies the whole landscape.
- The stream helps in the sequence and flow of the passage way's transitioning to different locations in the landscape.
- (D) and (H) is the seating system that runs along the whole passage way so it adds rythm to that segment of the landscape



FEATURE PAVING

FEATURE PAVING LAYOUT PLAN

LETTER	CONTENT
A1, 2, 3	SPACES WITH DOMINANT PAVEMENTS
B	SHADING DEVICE WITH SEATING UNDER IT
C	TREE THAT ACTS AS SHADE FOR MORE SEATING UNDER IT
D	WATER FEATURE POND WITH STREAM
E	TIMBER SEATING
F	MINI BRIDGE



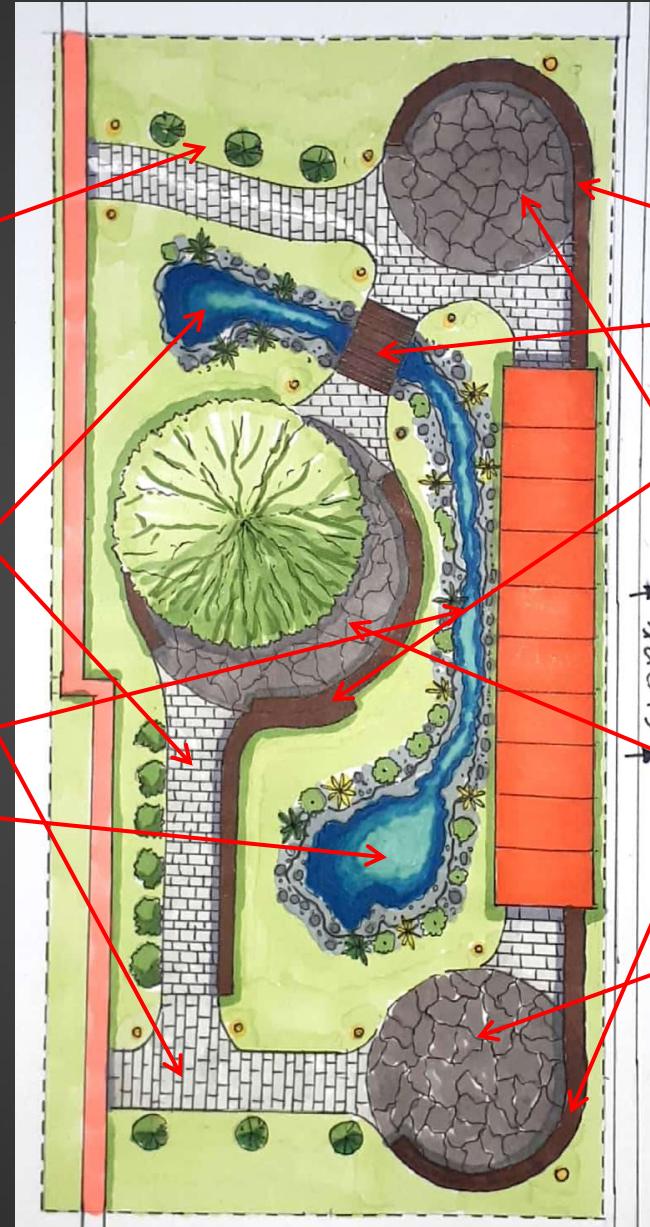
SCHEDULE OF PROPOSED PAVING MATERIALS



GRANITE COBBLESTONE PAVEMENT



PEBBLES USED UNDER THE RIVER TO
HELP MAINTAIN ITS FLOW AS WELL AS
FOR AESTHETIC PURPOSES



TIMBER USED FOR BOTH THE SEATING
AND THE BRIDGE



CONCRETE USED FOR MAKING THE CRAZY
PAVEMENT

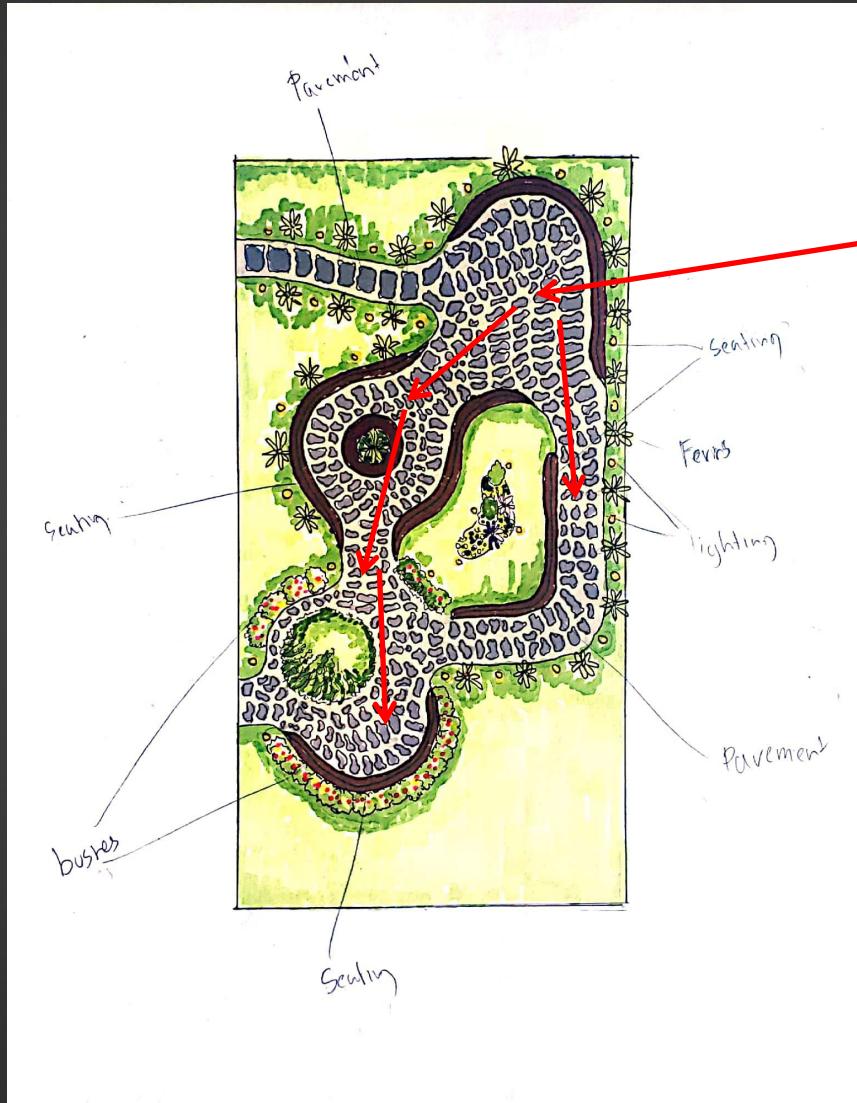


DESIGN PROCESS

FEATURE PAVING LAYOUT PLAN: DESIGN PROCESS

INITIAL SKETCH PROPOSAL:

- In this initial sketch, the intention was to resemble an amoeba as much as possible

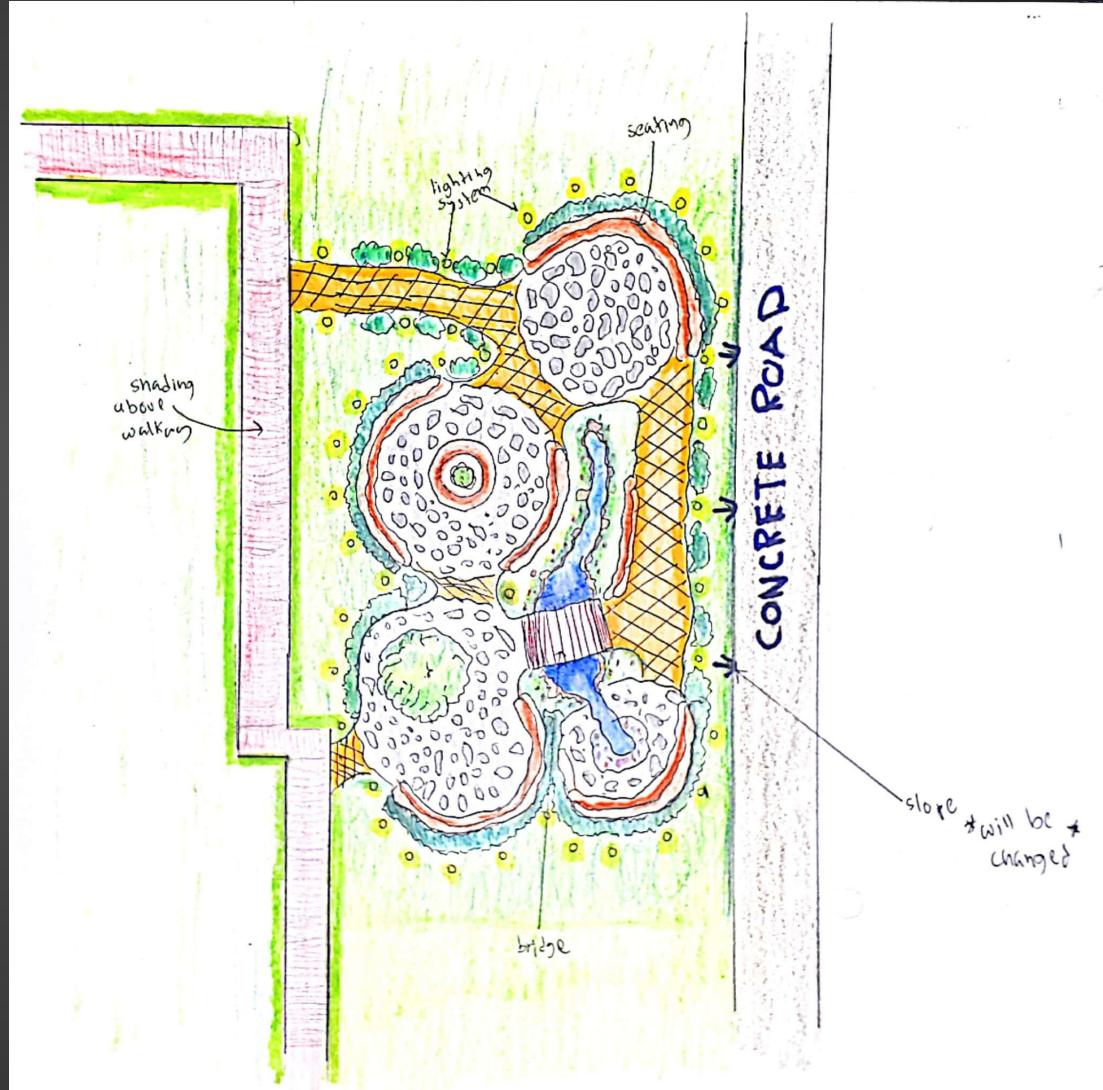


- The spaces were organized in a linear pattern, with no sense of flow
- There was no rhythm or sequence to the flow of movement.

FEATURE PAVING LAYOUT PLAN:DESIGN PROCESS

SECOND SKETCH PROPOSAL

- In the second redesign, the addition of some prominent features have been added to add variety to the landscape and make it more versatile
- Some of these features are hard scape Elements like the bridge and the small pond as a water feature.
- This is the stage where the type of pavements were thoroughly researched so they can be changed and edited in the final proposal.



FEATURE PAVING LAYOUT PLAN:DESIGN PROCESS

FINAL PROPOSAL:

- In this stage, both the scaling and positioning of the surrounding context were put in to further consideration, and this had led to a slight repositioning of spaces
- The spaces are designed in a far more intricate and precise way, making them sensible.
- The addition of even more hardscape elements definitely helped in adding to the functionalityt of the landscape, such as the shading device as well as proper seating positions



END.