



What's in a Tree?

Black Tupelo

Basic Design II

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BLACK TUPELO *Nyssa sylvatica*



Shiny green leaves in the summer and spring, and bright reds, yellows and oranges in the fall



Irregular branching and leaf patterns

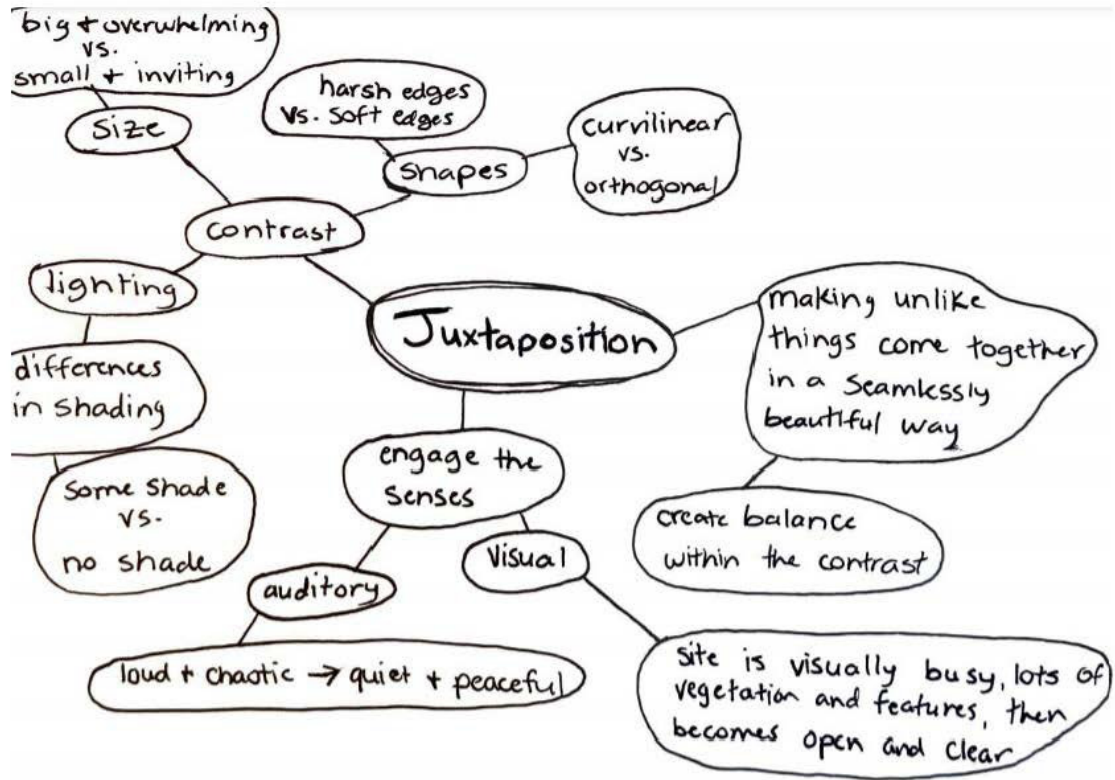


Plan View



- ❑ Typical Height: 30 - 50'
- ❑ Spread: 20 - 30'
- ❑ Bark looks like alligator hide as it ages
- ❑ Grows in oval shape
- ❑ Leaf Length: 3 - 6" (Black Tupelo)



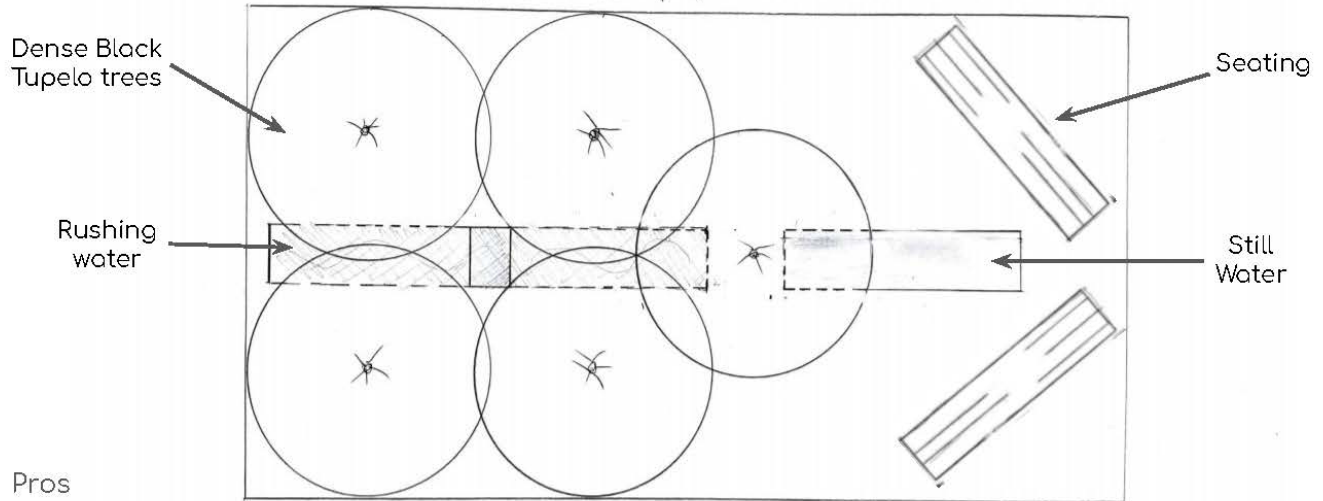


Concept Statement

The purpose of this project is to create a sense of juxtaposition as spectators move throughout the site. This is done through a contrast in vegetation density and engaging the senses, particularly visual and auditory.

Concept 1

FLOW

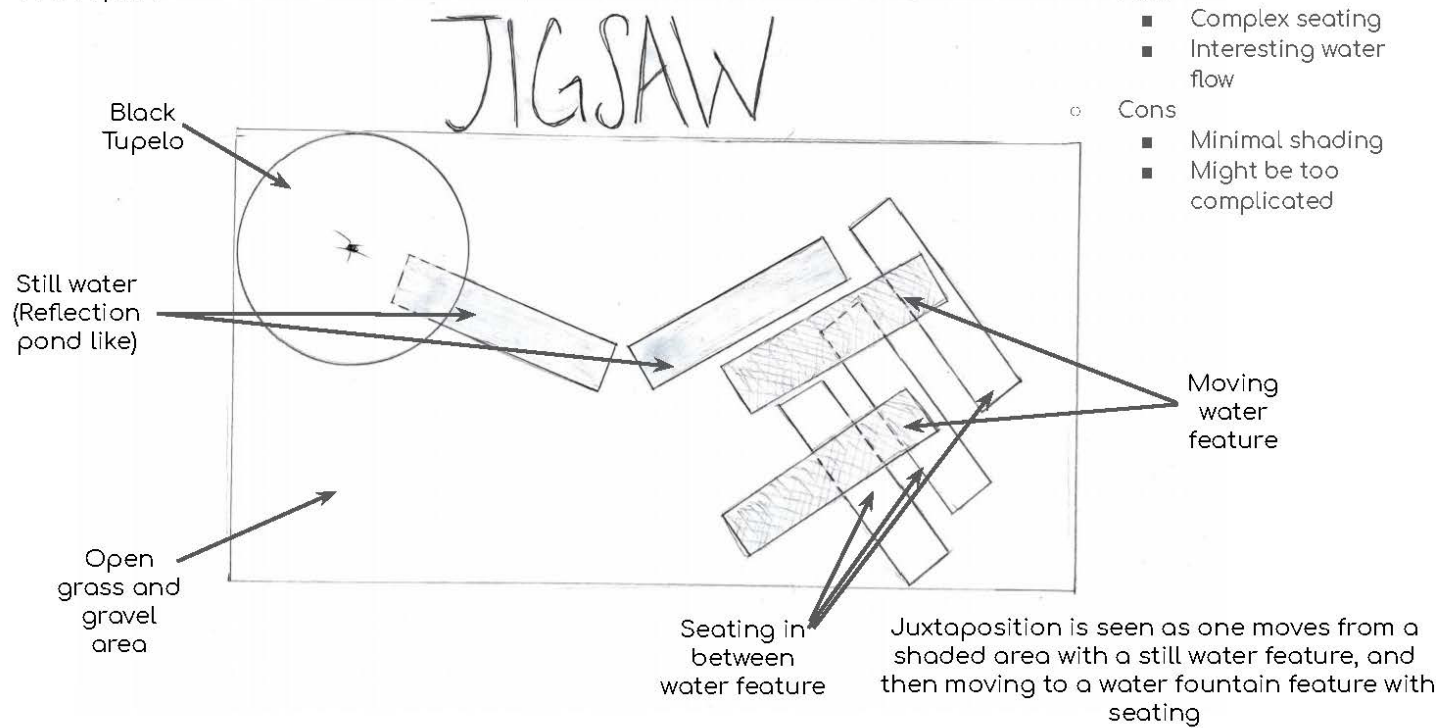


- Pros
 - Simplistic design
 - Engages auditory sense
- Cons
 - Minimal seating
 - Trees may be too overwhelming

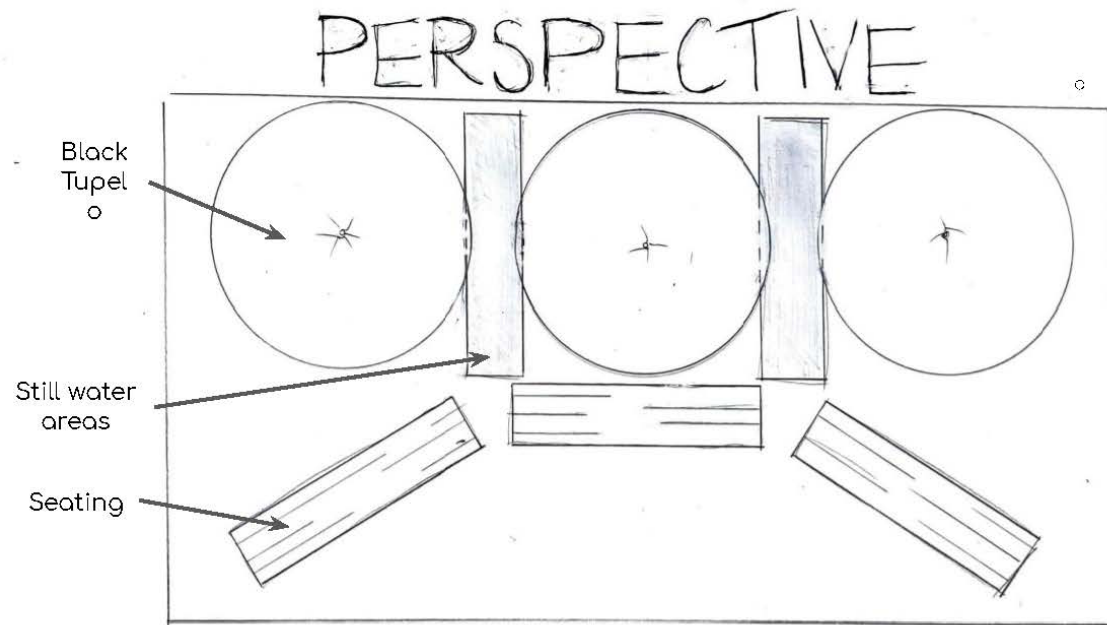
Juxtaposition is seen as the site moves from dense and chaotic to open and calm



Concept 2



Concept 3

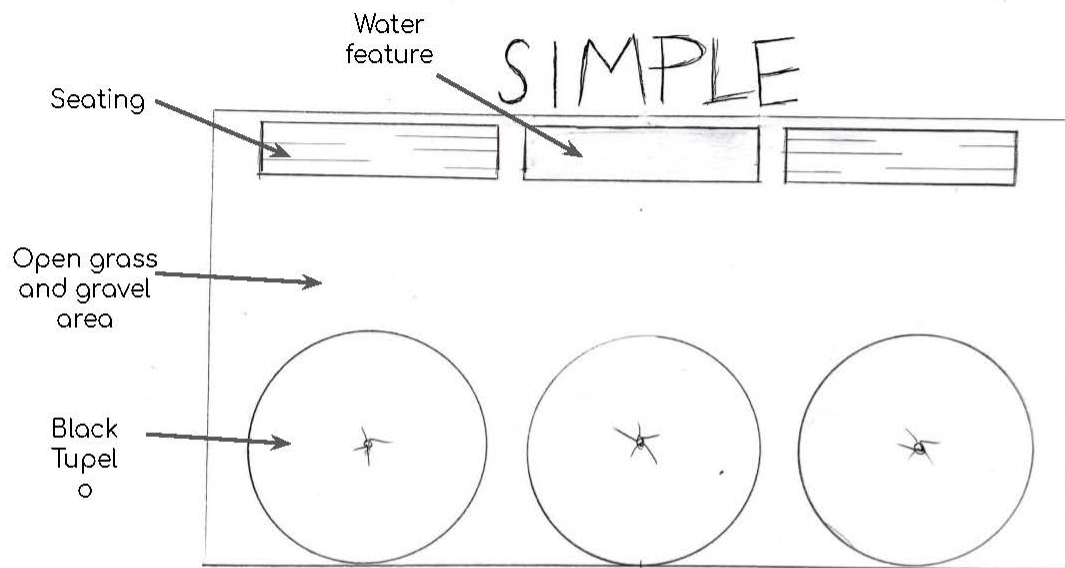


Juxtaposition is seen here in terms of perspective with an amphitheatre type feel

- Pros
 - Works with elevation to create new perspective
 - Entertainment space
- Cons
 - Plan view is looks a little too restricting
 - Complicated in terms of changing elevations



Concept 4



- Pros
 - Very simple
 - Good balance
- Cons
 - Almost too simple
 - Too symmetrical

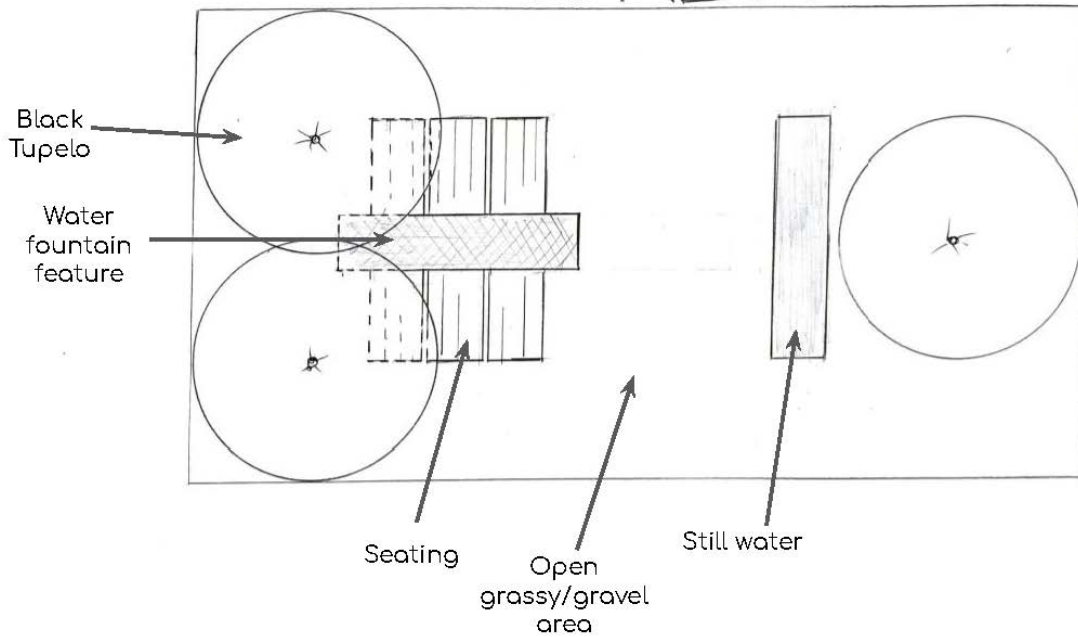
Juxtaposition is seen in the contrast of shapes and features



Concept 5

ASKEW

Juxtaposition is seen in the contrasting of number of trees and differing water features

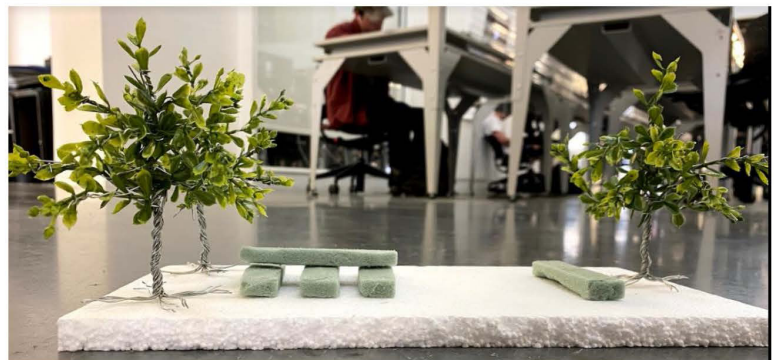
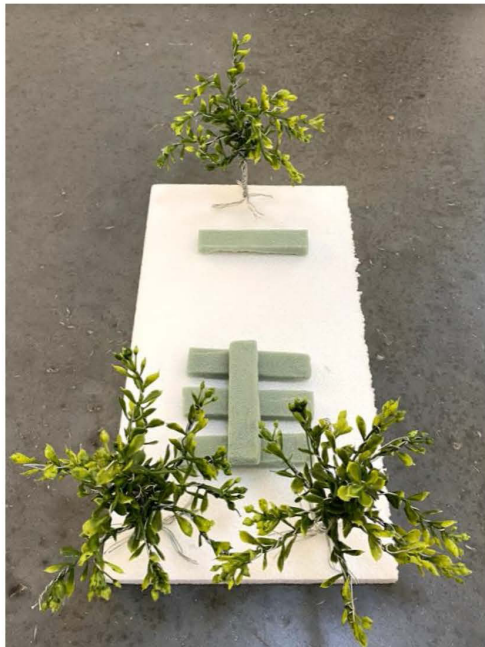


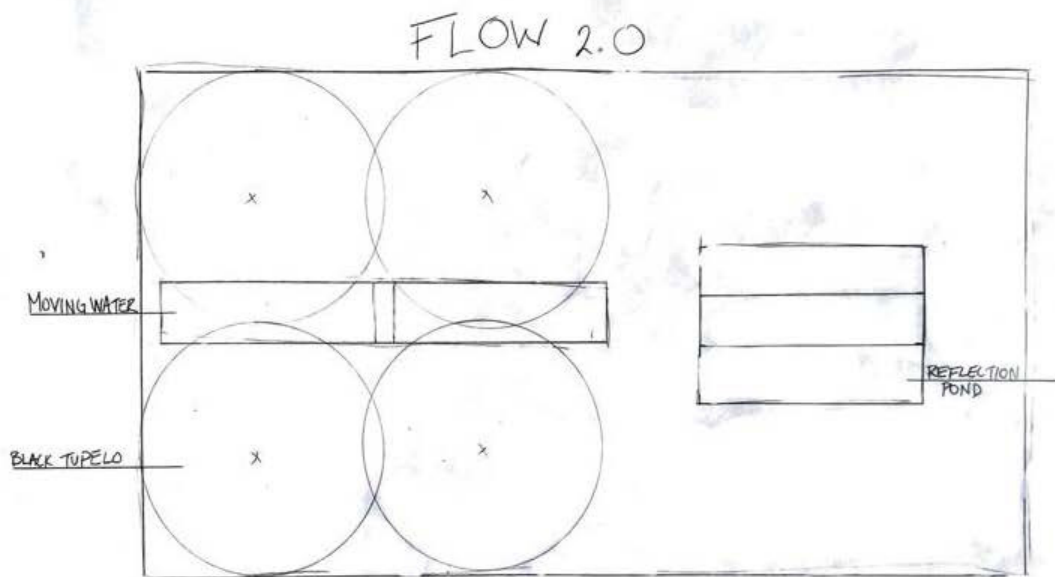
Pros

- Variety of water movement
- Good contrast, matches theme word (juxtaposition)

Cons

- Not really aesthetically appealing
- Weird open spaces

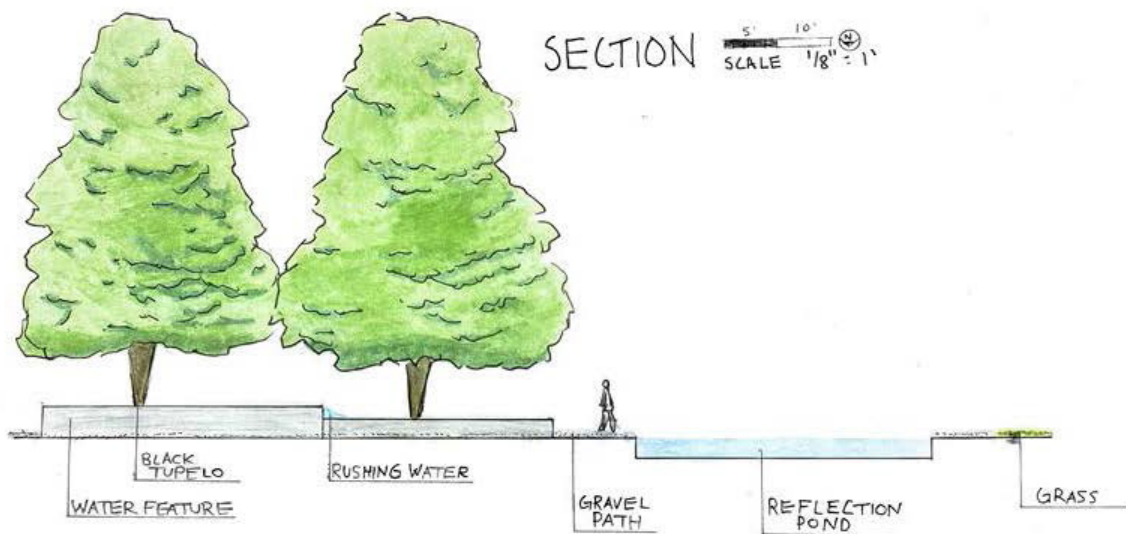
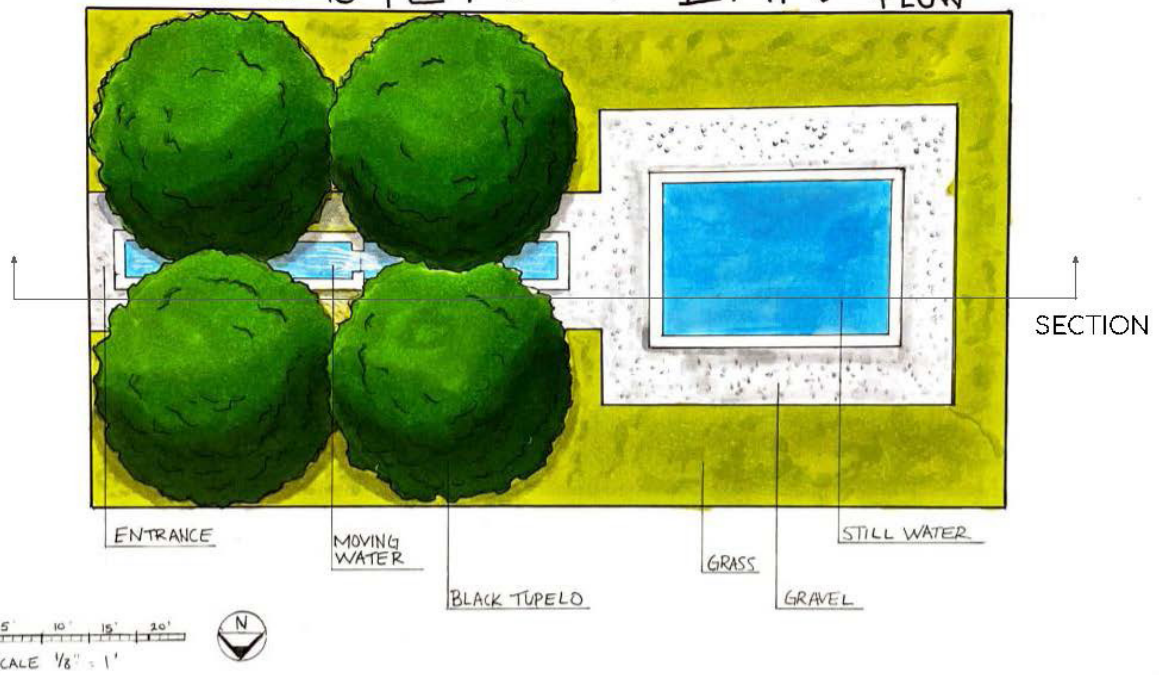


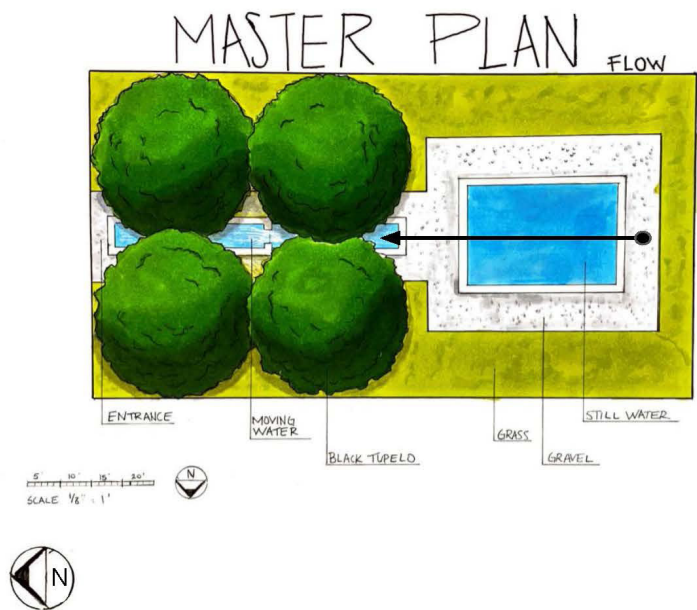


Same pros and cons as Flow



MASTER PLAN FLOW

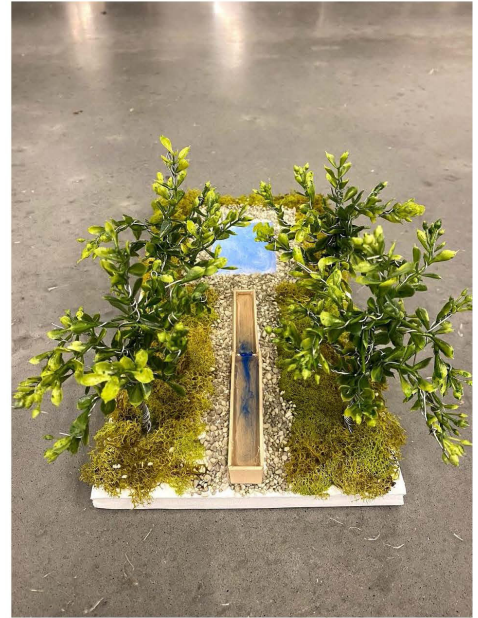




MODEL



MODEL



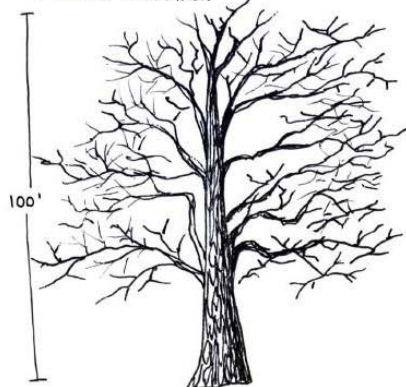
SOURCES

Black Tupelo. (n.d.). Retrieved February 1, 2021, from

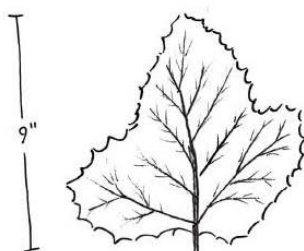
<https://www.arborday.org/trees/treeguide/TreeDetail.cfm?ItemID=793>

EASTERN SYCAMORE

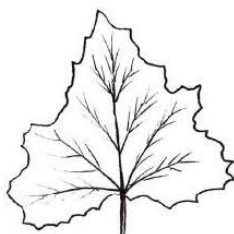
Platanus occidentalis



- Can grow up to 130 feet high, about 5 feet in diameter
- Scraggly, irregular branches - fibrous roots
- Dark, peeling bark
- Heavy, light-brown wood
- 3-to-5 lobes on leaves, can be very large



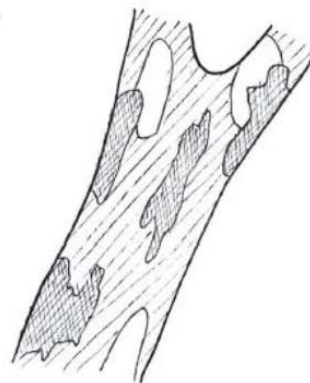
3 LOBES



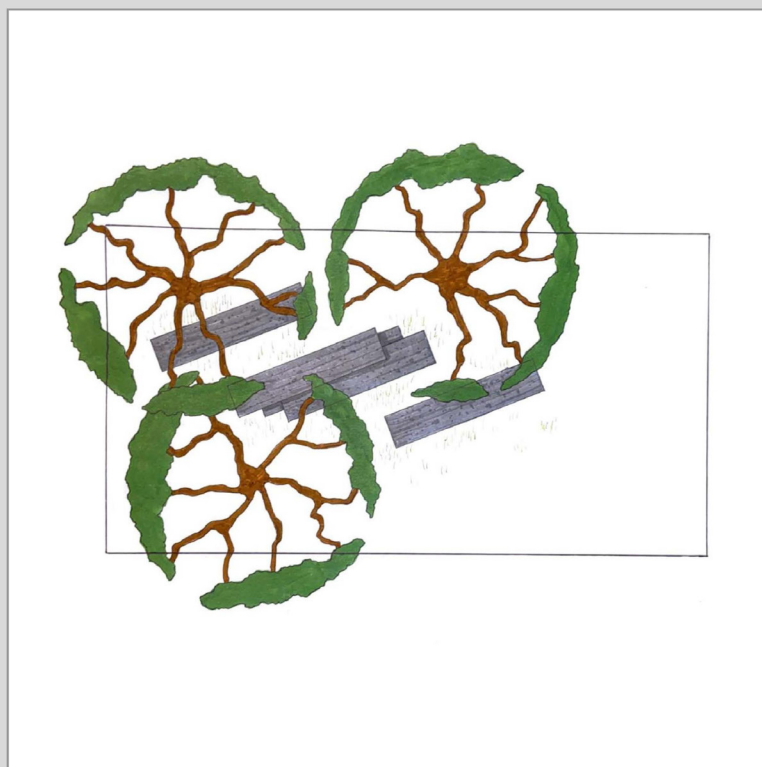
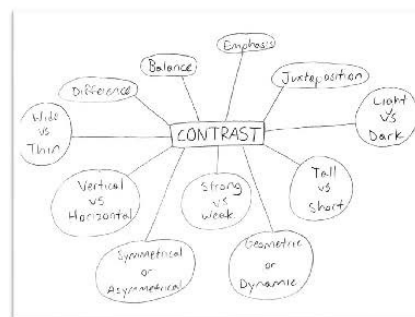
5 LOBES



SEED BALL

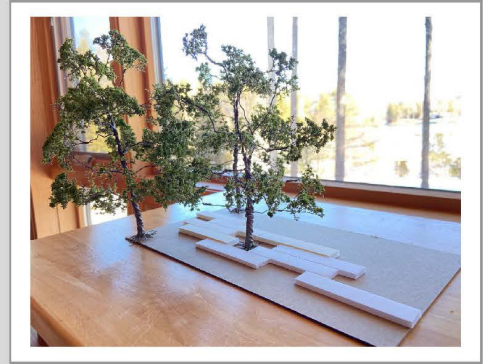
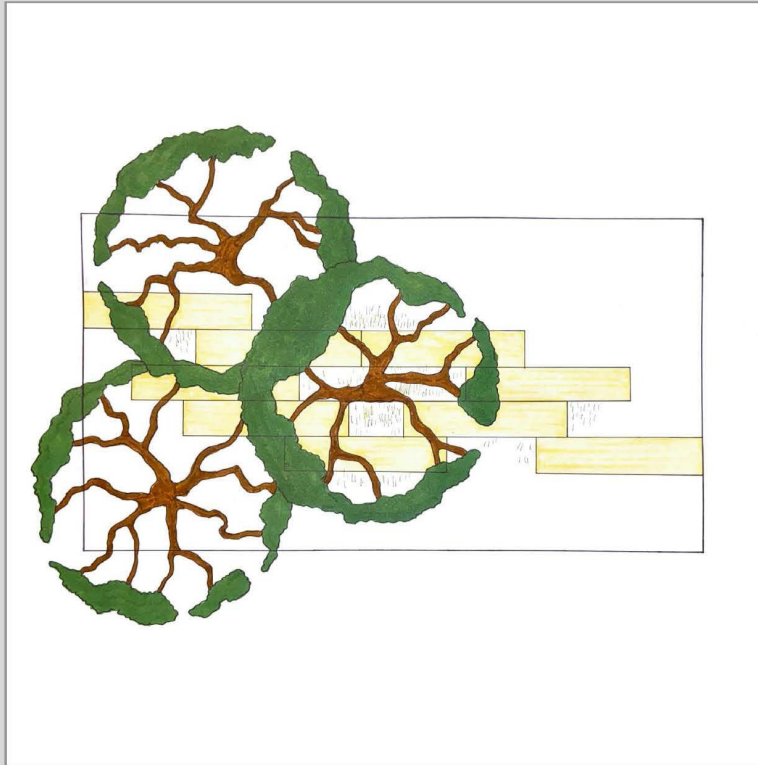


BARK PATTERN



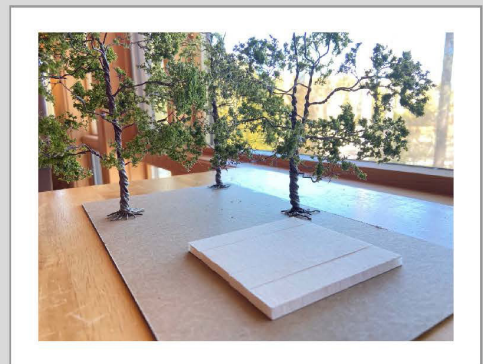
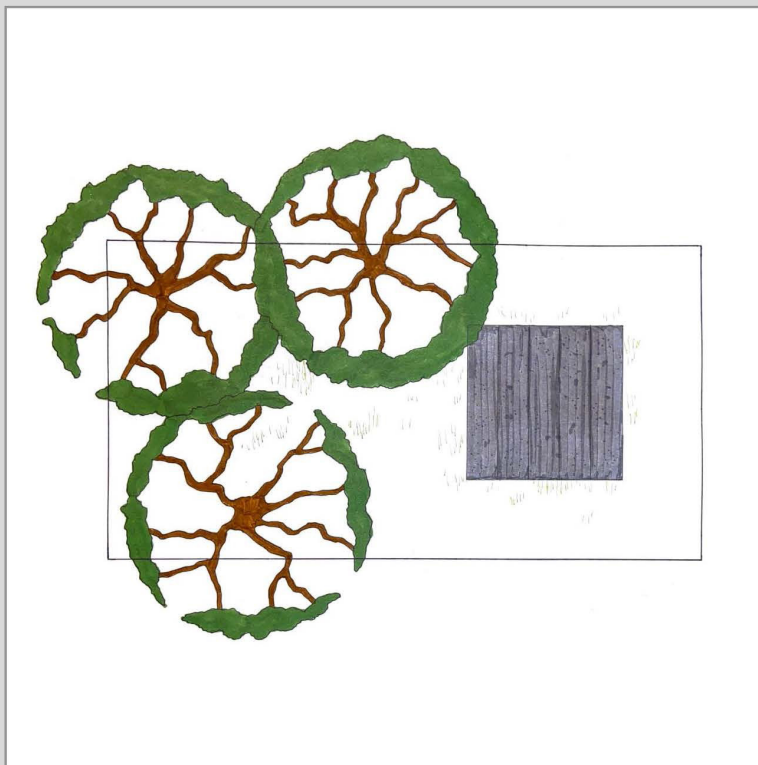
STACKS

PRO	CON
• Fun climbing activity • Interesting grouping	• Could be dangerous • Design is heavy on one side



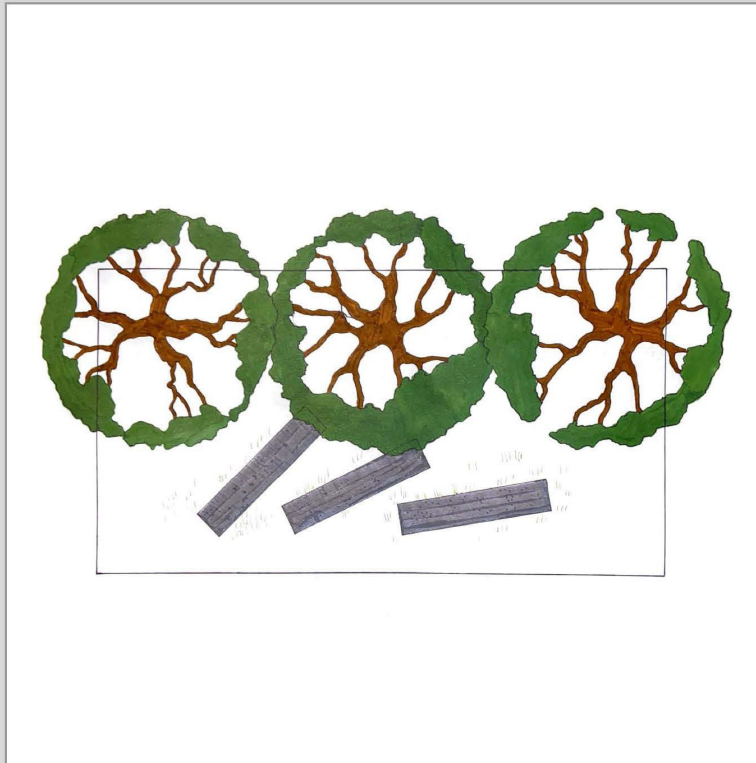
STROLL

PRO	CON
• More dynamic • Relaxing	• Requires dedicated connections beyond site



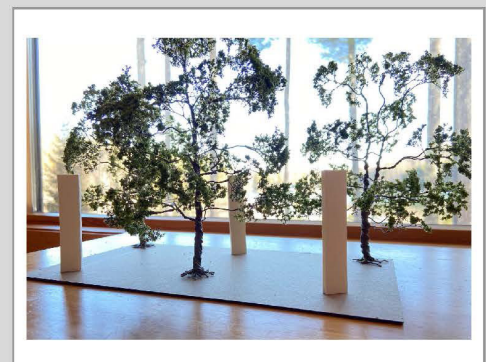
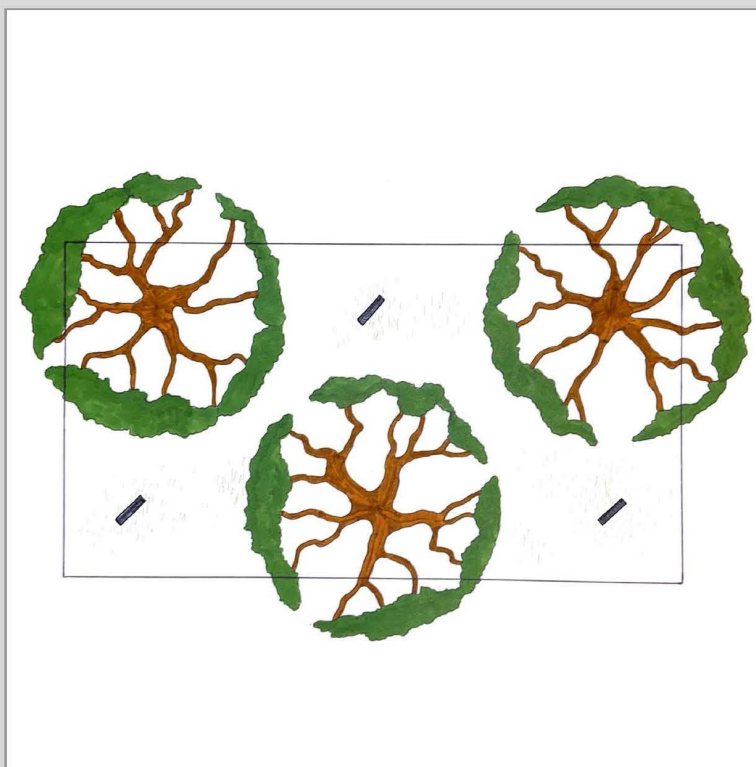
STAGE

PRO	CON
• Stage adds fun element • Utilizes entire space	• Trees need maintenance to not block view



SWITCH

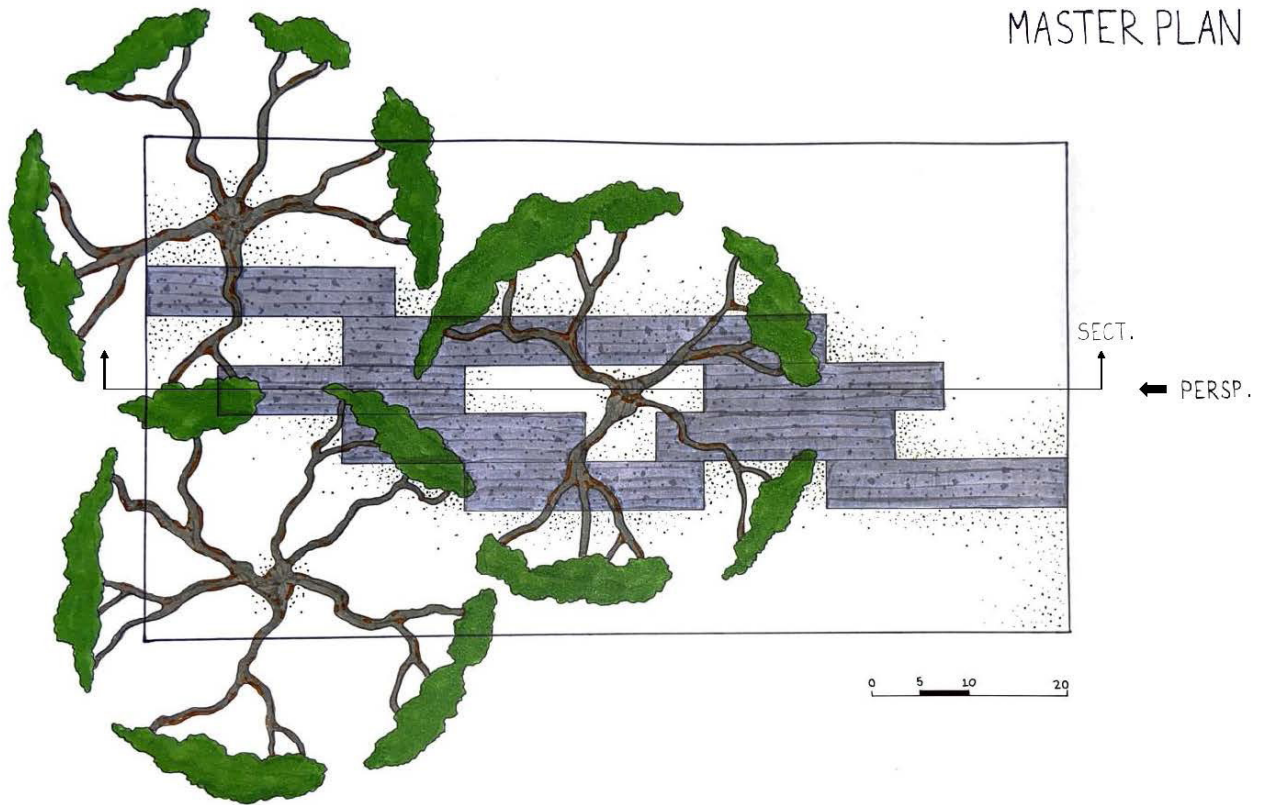
PRO	CON
• Simple • Seating areas	• Not very interesting



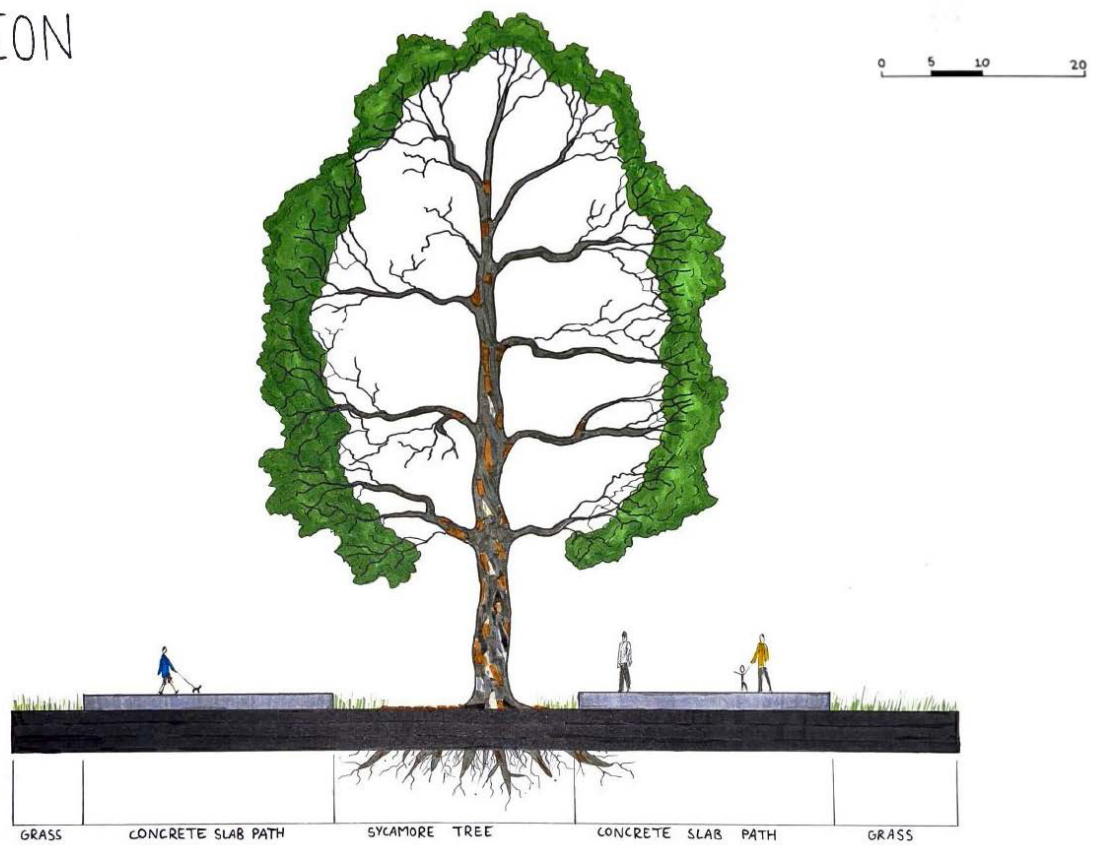
STAND

PRO	CON
• Different, iconic	• Intimidating, alien-like • Not very functional

MASTER PLAN



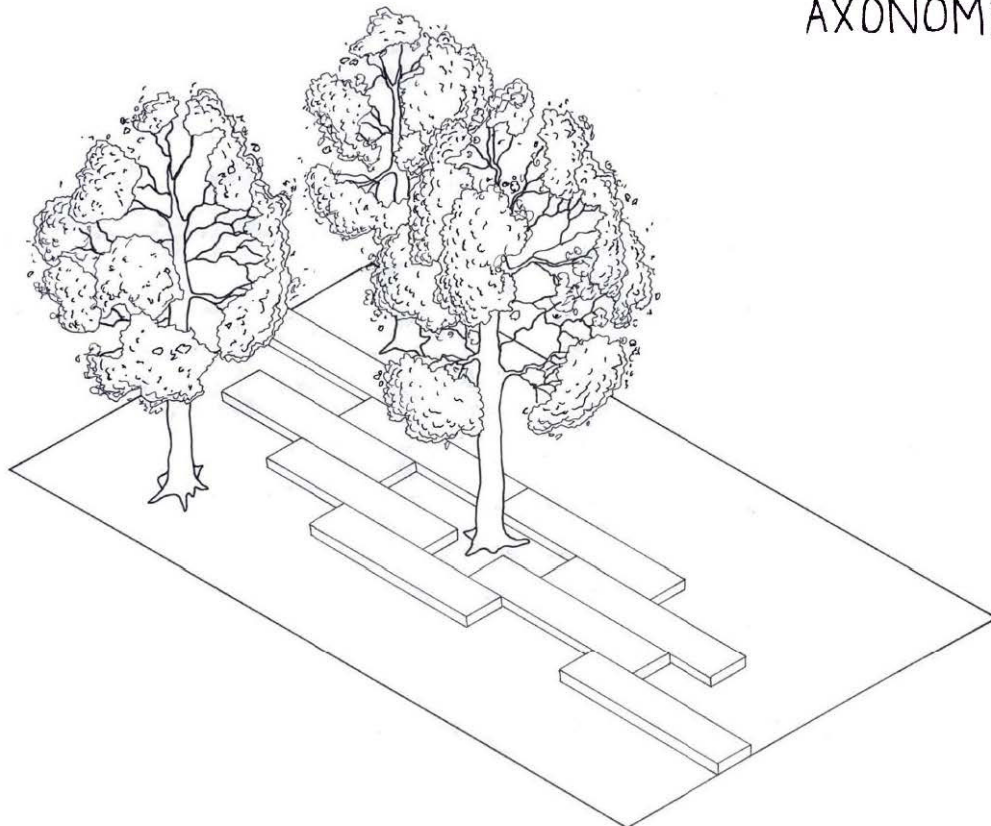
SECTION



PERSPECTIVE



AXONOMETRIC



MODEL



MODEL





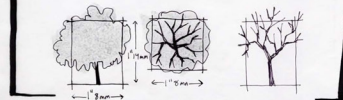
WISTERIA SINENSIS

DIFFERENT SHAPES



The Wisteria Sinensis, or "Chinese Wisteria" is originally a climbing vine that can be formed into a tree shape with support. It's average height is 10-15 ft with a 10-12 ft spread. It has ferny, light green foliage with scented blue-lavender flowers that grow to around 12 in long in dense racemes of 25-95 blooms. It has a fast growth rate and prefers full sun to partial shade and moderate moisture. The Wisteria is a great pollinator attractor and is well-loved for its April-May blooms.

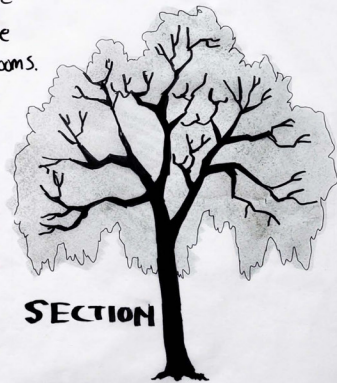
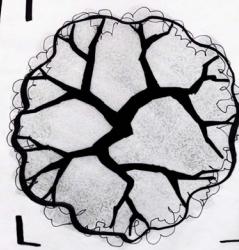
MODEL: ACTUAL SIZE



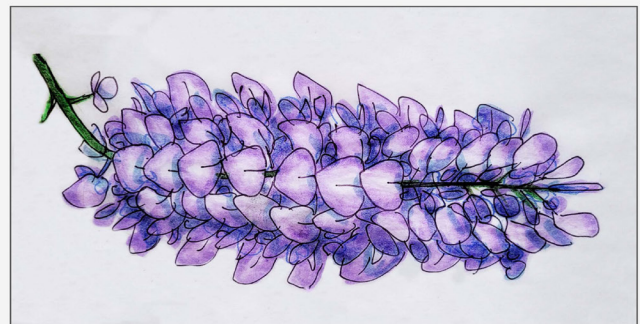
FLOWER



PLAN VIEW



SECTION





Building Process



WISTERIA Models



Four of each



One of each

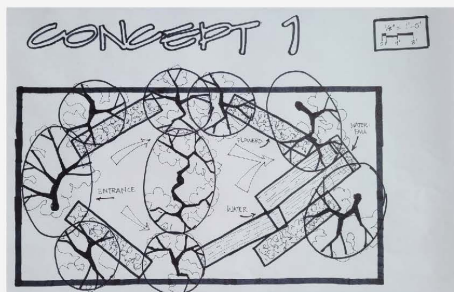


Five of each

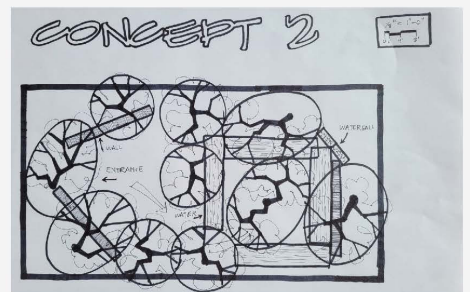
5 Initial Concepts

The main theme I was aiming for in each design was an idea of entering another world that was beautiful and fantastical.

The most important elements that I wanted to include were a strong entrance to the garden, some type of running water or waterfall, and a feeling of enclosure and separation from the outside world.

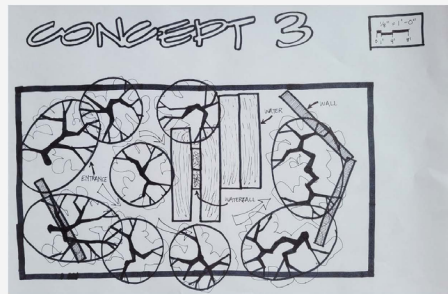


I liked that this concept had my twisted tree as a strong centerpiece. Layout wise it was less interesting.

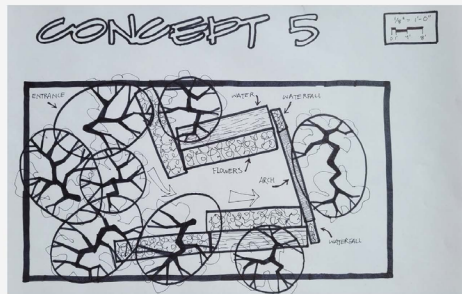


I liked the separated sequence of spaces in the layout of this concept but the areas themselves are a little tight and the waterfall is less visible.

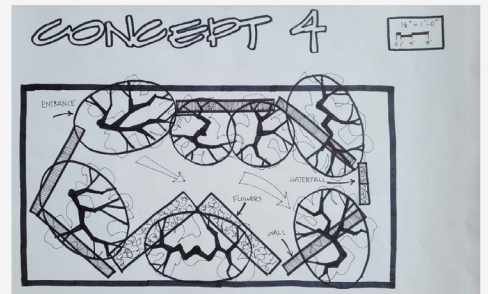




I liked that the waterfall was the centerpiece of this work as well as the sequence of spaces, but the twisted tree is less visible.



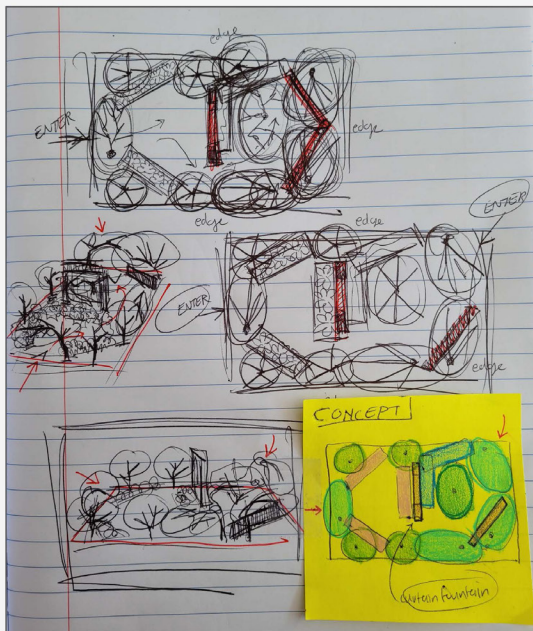
This concept had an interesting waterfall design that I really liked however the back half of the space wasn't be fully used.



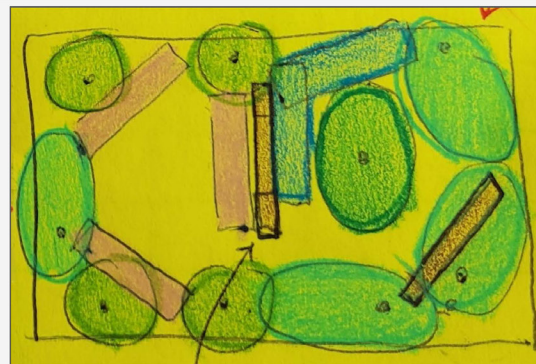
I liked the strong edges of this design but overall the layout is boring and the design isn't very unique.



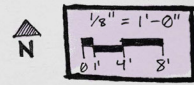
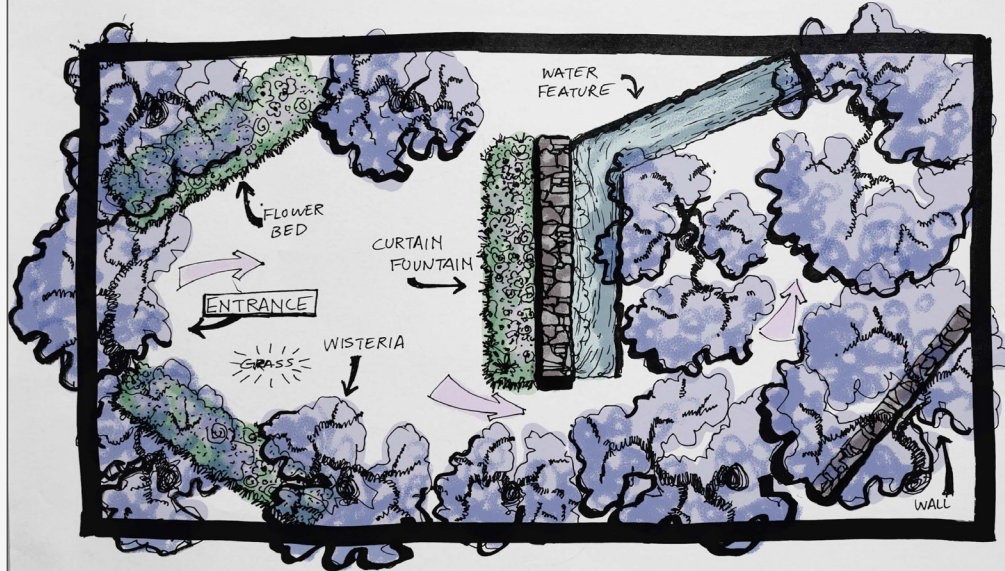
Final Concept



In my final concept I combined several aspects of my initial designs that I liked. I used the sequence of enclosed spaces from Concept Two in my overall layout but moved the waterfall to the center of the area like in Concept Three. The biggest addition was the redesign of my waterfall. I ended up using a curtain fall design where the visitor can see through the water into the other side and the other main feature; the twisted tree. This redesign also helped add to my concept of Fantasy by creating an illusionary element.



FANTASY



LEGEND

-  WATER
-  STONE
-  FLOWER BED
-  WISTERIA
-  PEDESTRIAN MOVEMENT