

PORTFOLIO

Landscape Architecture

Miré Pelsner

01

FUTURE CITIES

Bio-WASTED opportunities

02

MUSEUM INTERVENTIONS

Inversion: an outdoor art gallery

03

DESIGN WITH NATURE

Thlagong Biodiversity Centre

04

WORK RELATED PROJECTS

Mood boards

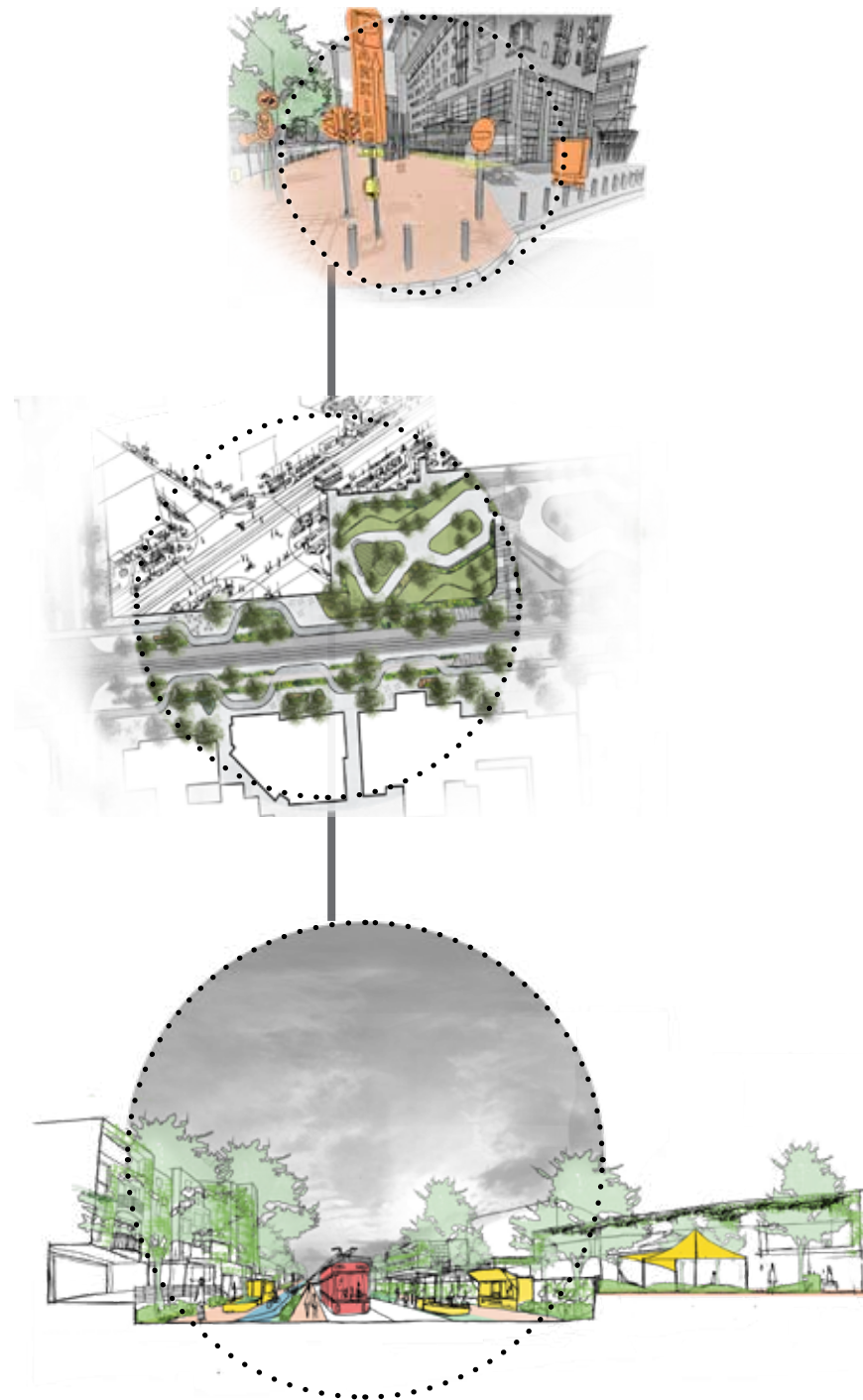
Concept plans

Site specific plans

Service plans

The future cities group project investigates themes surrounding urban feedback loops, circular economies and the interconnectedness of human systems with an ultimate goal of redesigning the Hatfield area with bio-waste as an informant.

The project concept included a bio digester located on the UP experimental farm that would make use of the Hatfield areas' food waste and convert it into bio-gas. The bio-gas could be used to power a significant portion of the Hatfield area.



01

FUTURE CITIES
Bio-WASTED opportunities

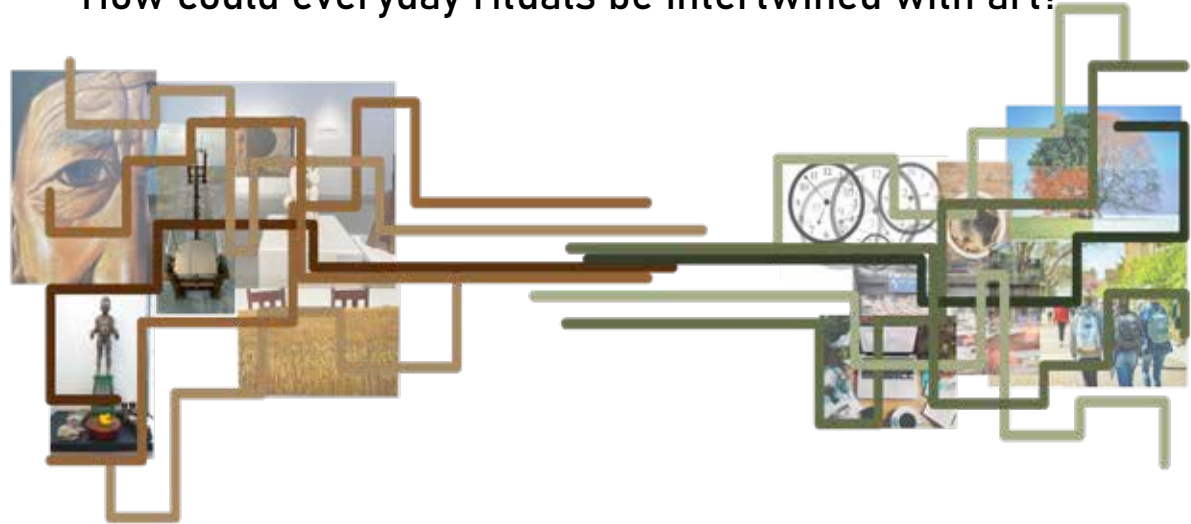
Inversion; an open air hybrid gallery, DE-eilitizing the ideas around art and museums and expanding the current landscape of art on the UP campus to ensure visibility for UP Museums and extensive art collections.

Inspiring a culture of the arts with students by interjecting their daily routines with art.

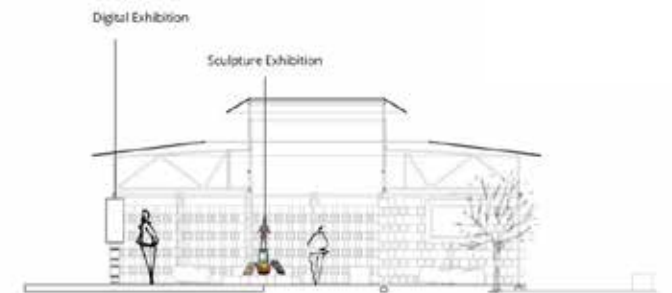
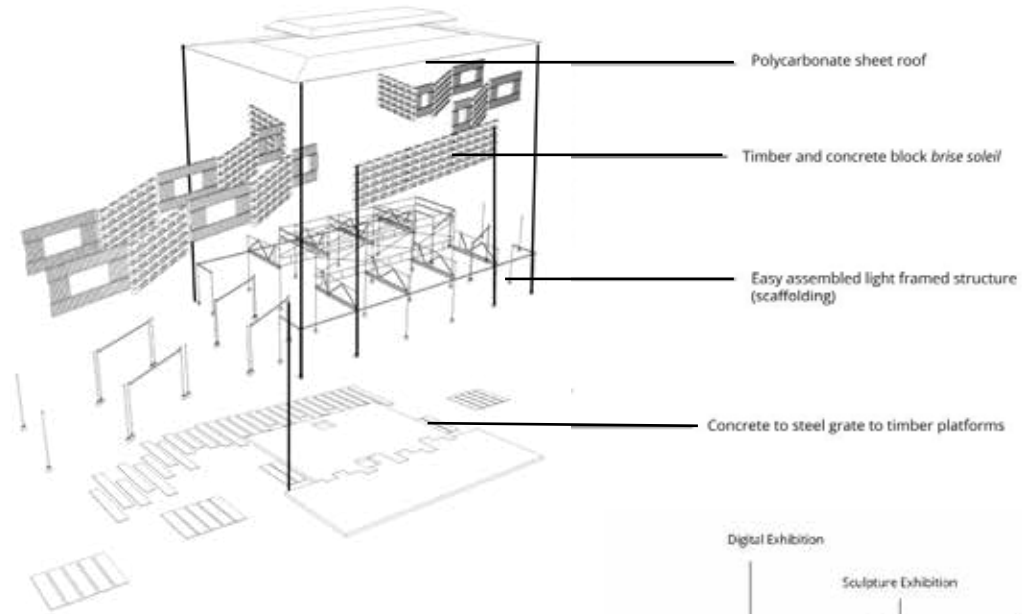
02 MUSEUM INTERVENTIONS

Inversion: an outdoor art gallery

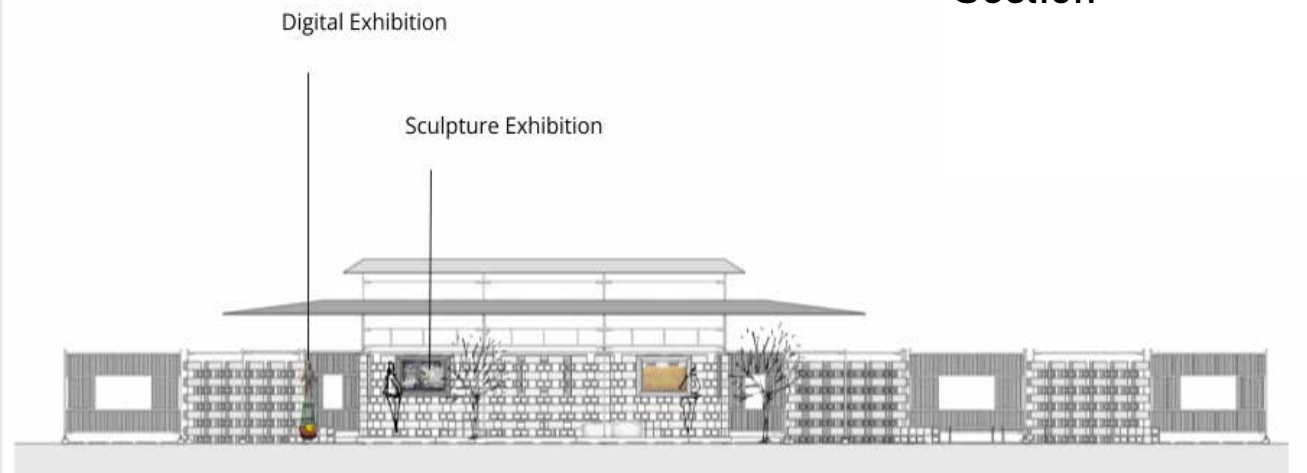
How could everyday rituals be intertwined with art?



The strategy is to expand on the existing art-axis on UP campus and create spaces where students can digitally interact with the artworks.



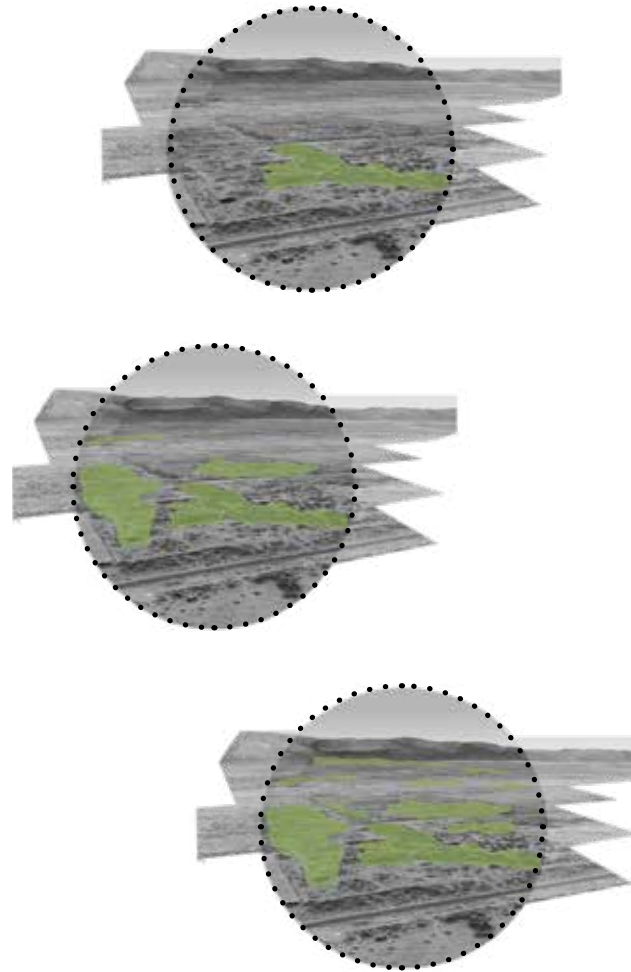
Section



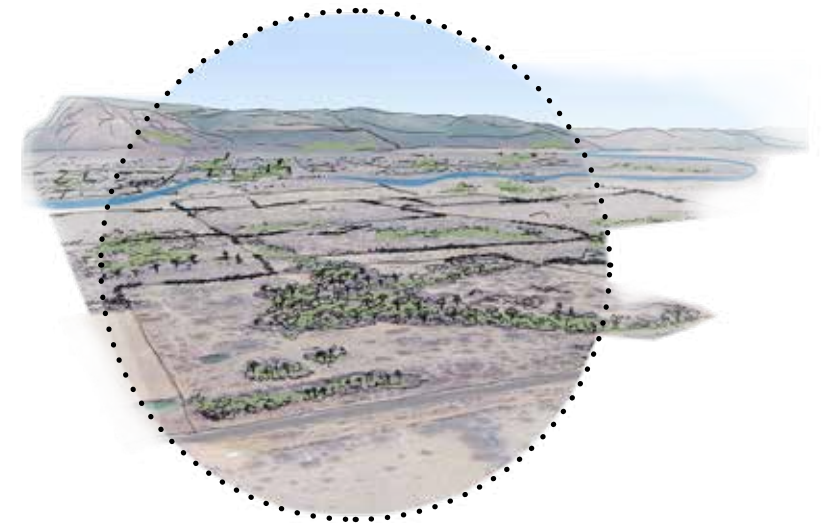
Southern Elevation

The concept for the Thlagong Biodiversity Centre is to cultivate a culture of conservation by educating the surrounding community and tourists on the benefits and importance of ecosystem services.

The Centre prioritizes the protection and enhancement of the Waterberg region through regenerative design explorations with the goal of improving savanna bio region in the surrounding area.

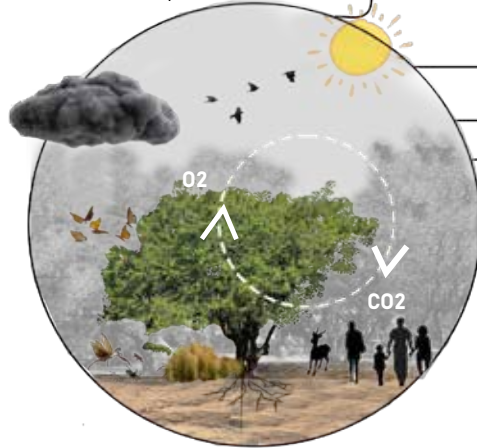


Rehabilitating a portion of the site by removing invasive species and re-incorporating indigenous flora with the aim of passively rehabilitating the site ultimately restoring the area



What type of education ?

The difference one single element can make within a space. Using the sickle bush as an example.



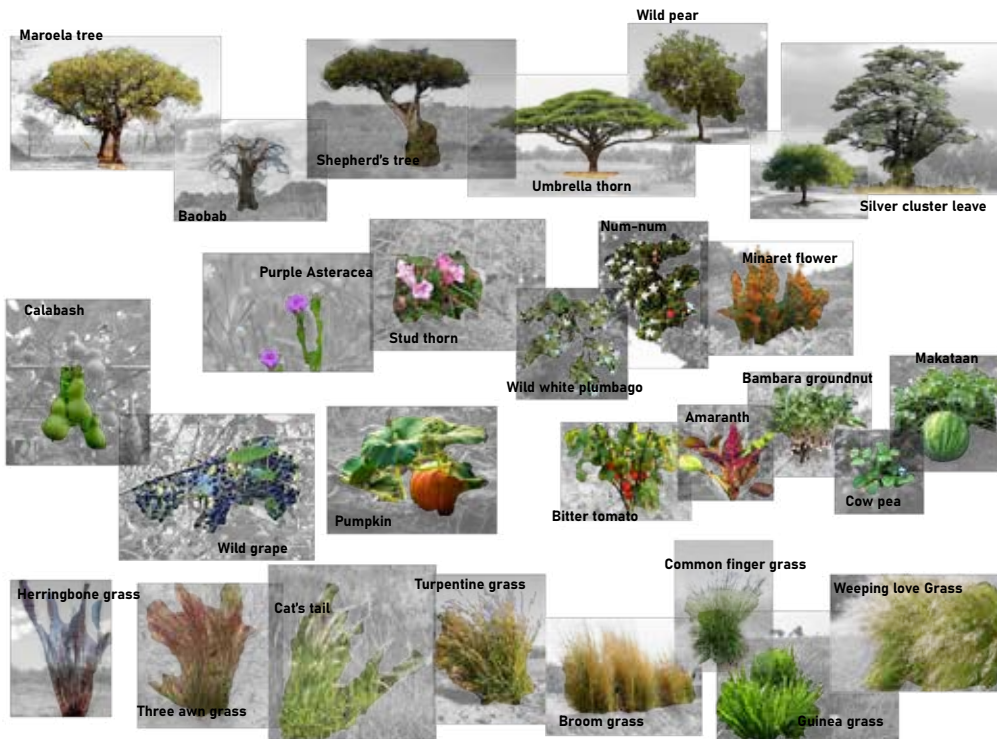
Provisioning Services

Regulating Services

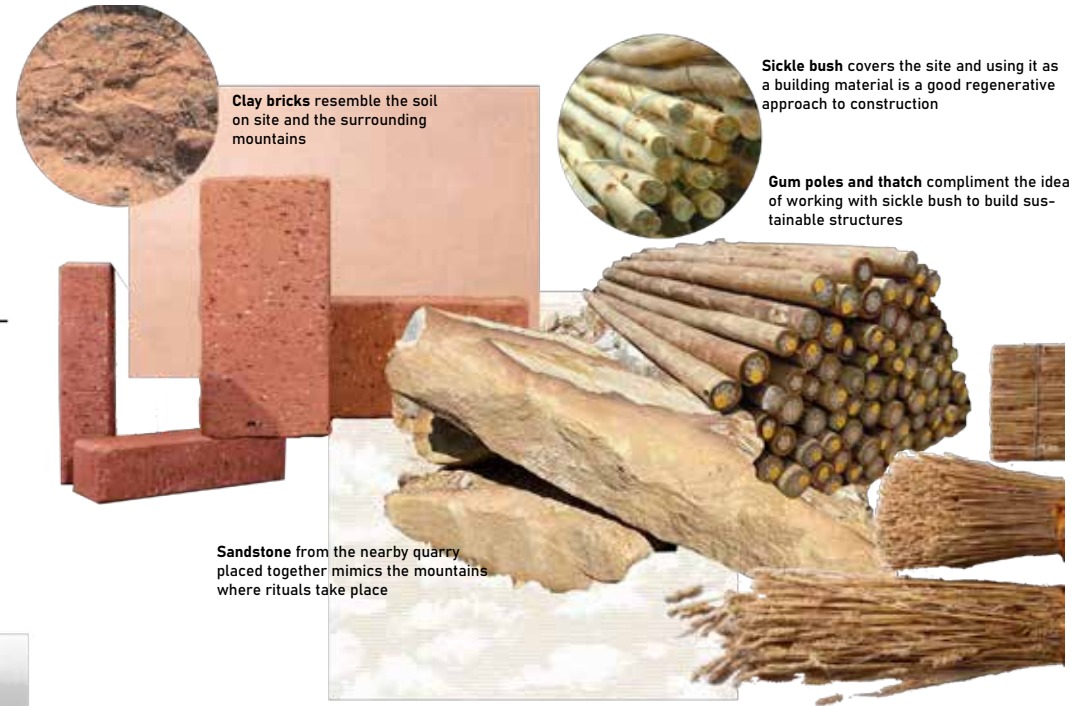
Supportive Services

Cultural Services

Plant palette

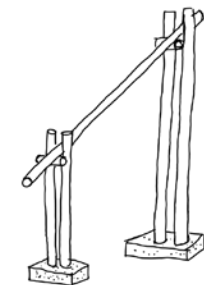
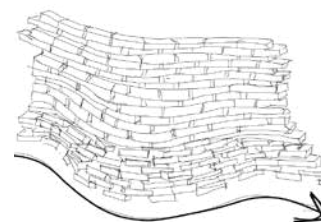


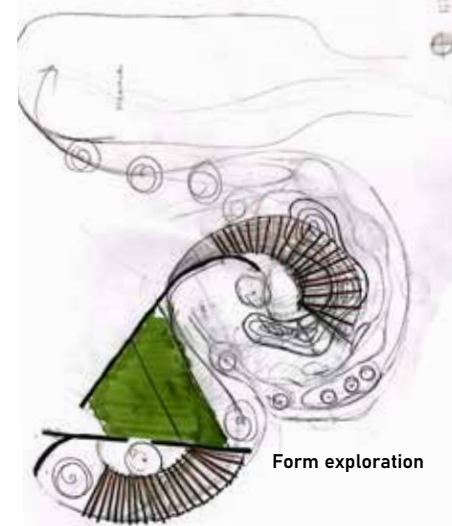
Material palette



Construction inquiry

How can **BRICKWORK** and **TIMBER CONSTRUCTION** create educational landscape platforms?

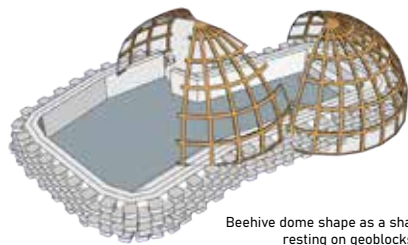




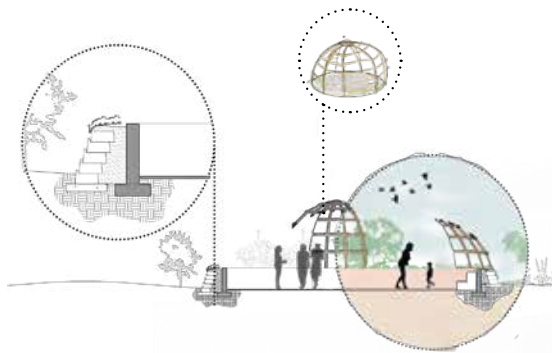
Masterplan development

**THLAGONG BIODIVERSITY CENTRE
MASTERPLAN 1:250 on A1**

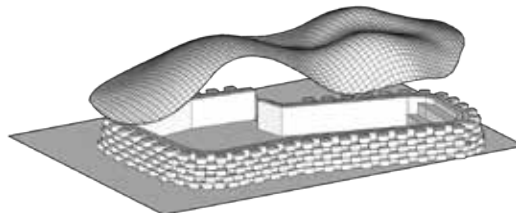
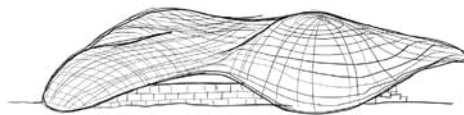
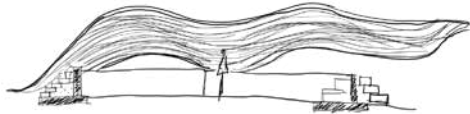
- 01** Pubic entrance and parking
- 02** Vendors and curio shop
- 03** Catering
- 04** AOC garden
- 05** Pavilion
- 06** Class rooms and workshops
- 07** Vegetable garden
- 08** Playground
- 09** Gathering area
- 10** Rehabilitation zone



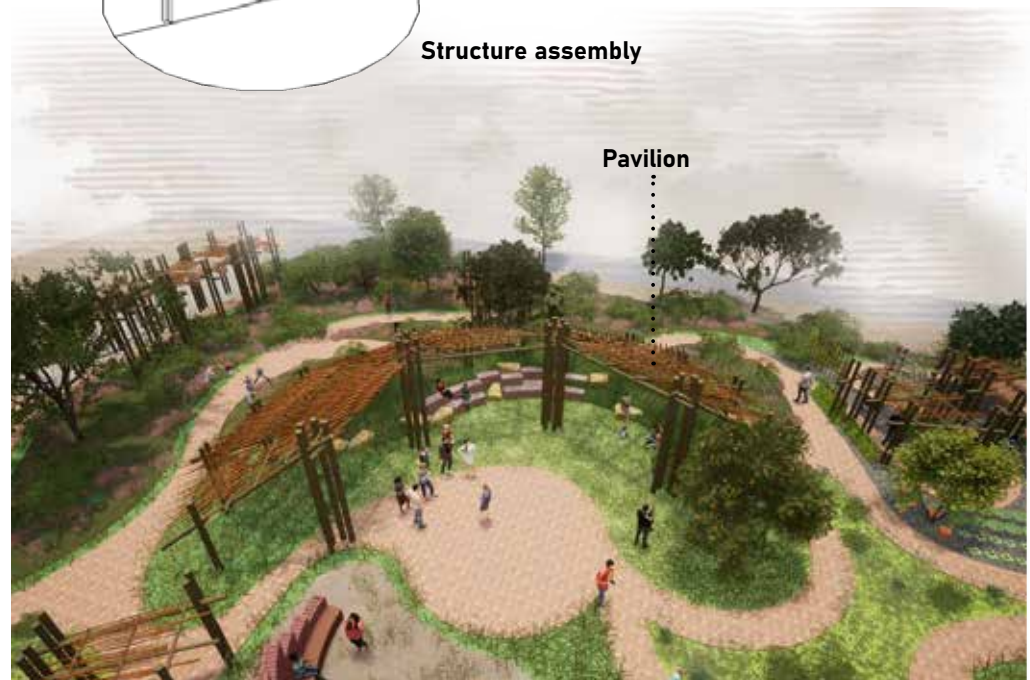
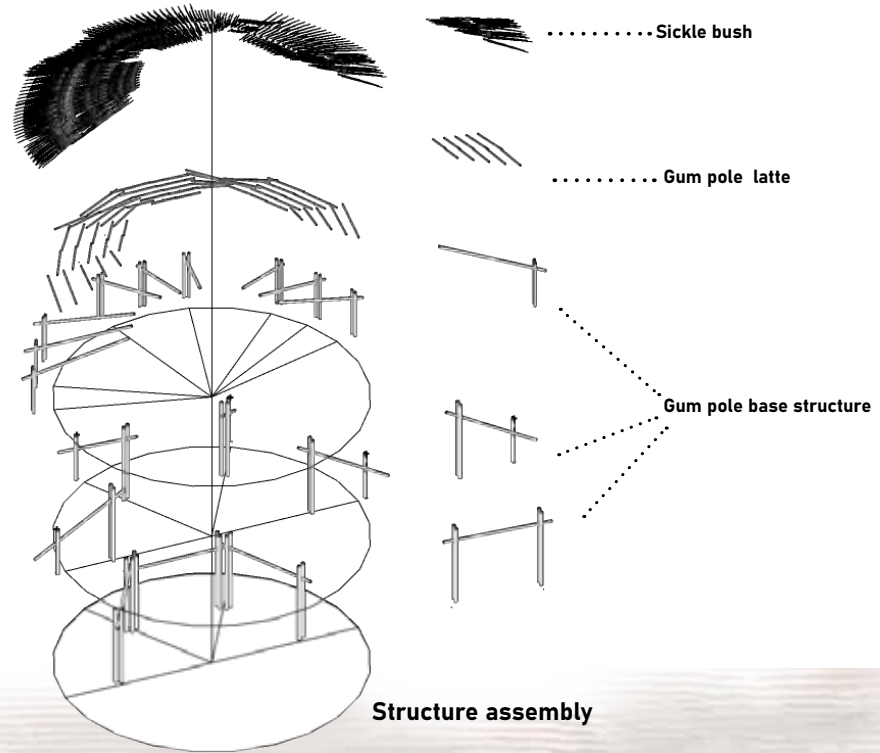
Beehive dome shape as a shading structure resting on geoblocks as a

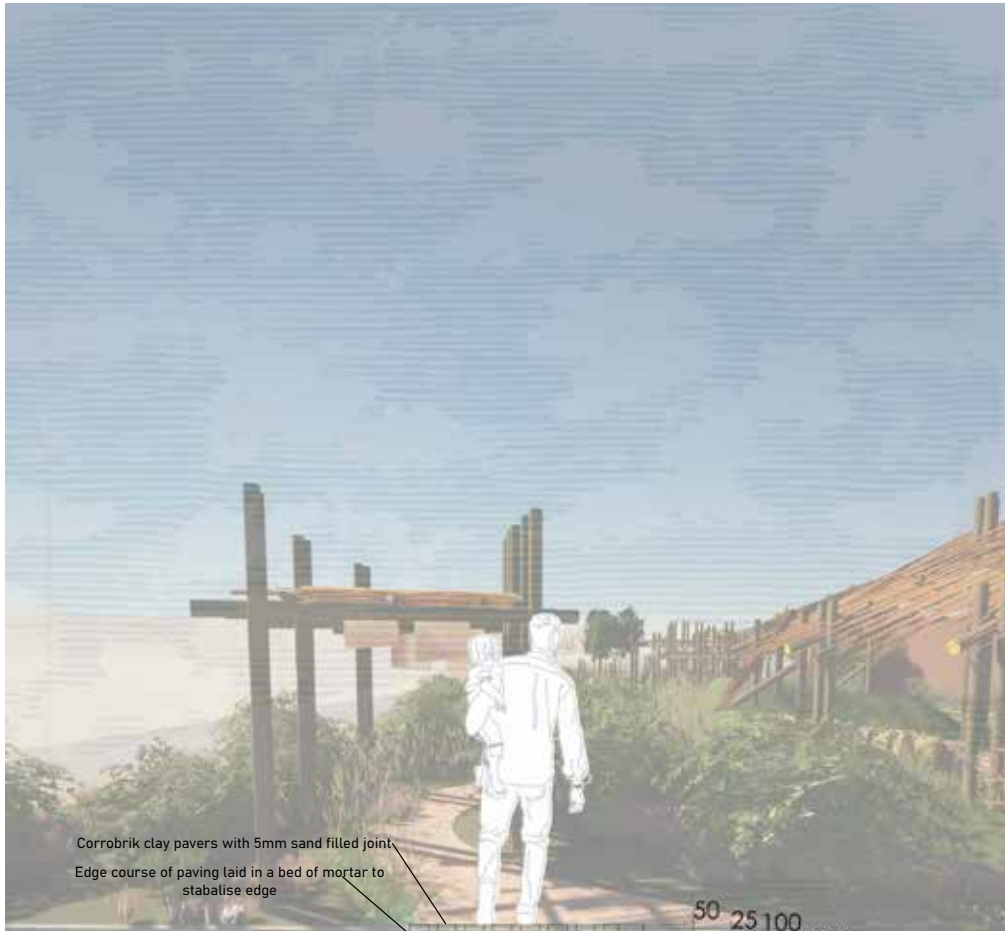


Dome structure developed into a more organic shaped structure



Pavilion explorations





Corrobrik clay pavers with 5mm sand filled joint
Edge course of paving laid in a bed of mortar to stabilise edge

Bedding sand (riversand)
Compacted aggregate layer (G5)
Compacted soil layer

50 25 100 100

Pathway section elevation 1:10

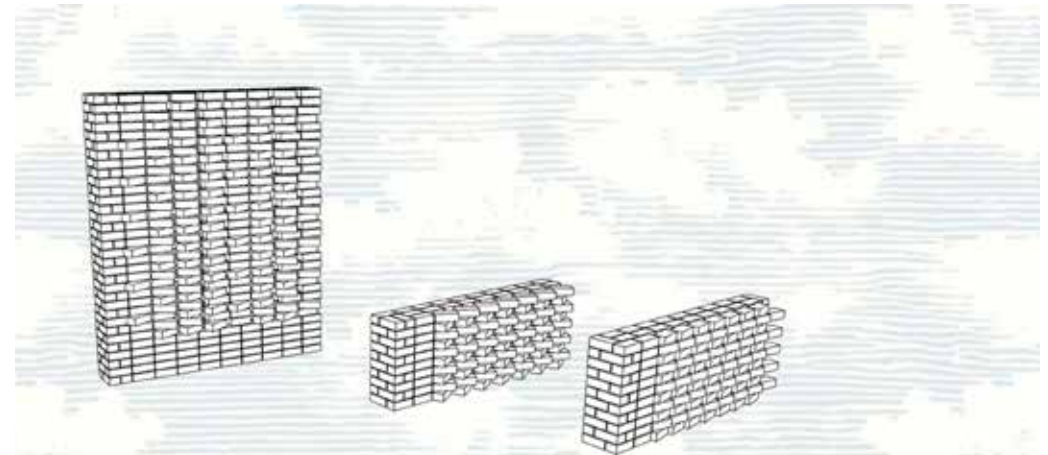
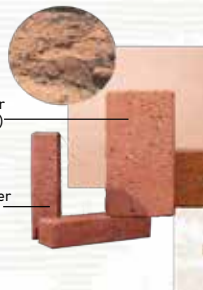


Pavement on plan pattern 1:10

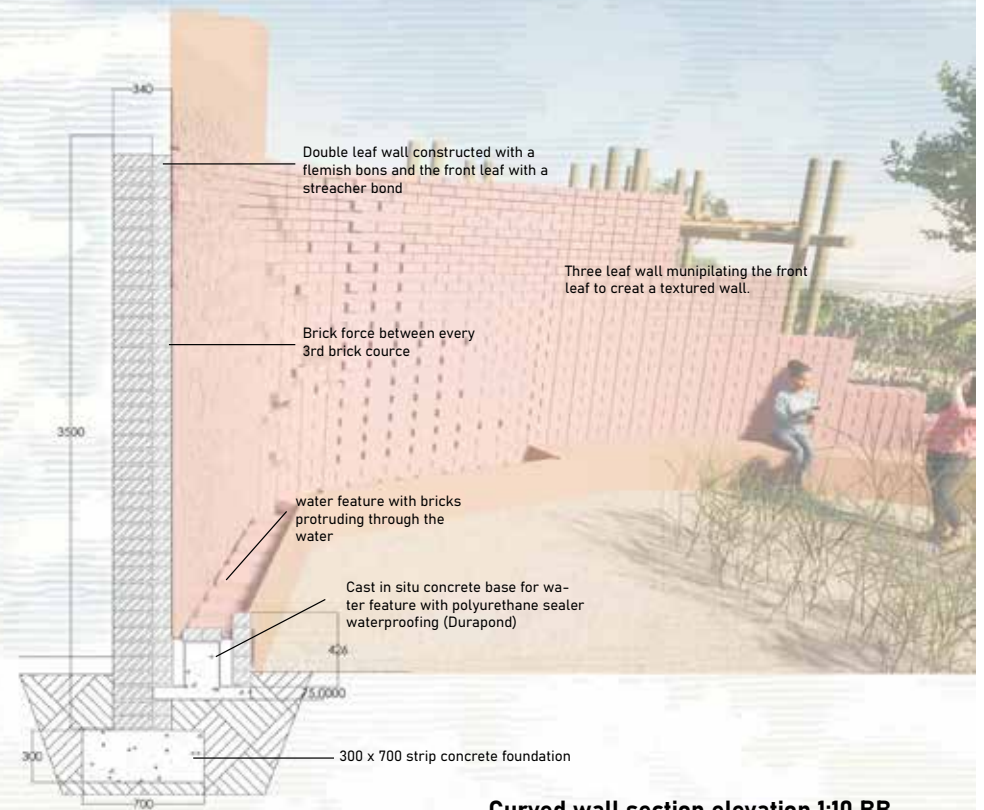
Clay pavers are packed in a running bond alternating between the Corrobrik burgundy piazza paver (220 x 52 x 50) and the burgundy paver (220 x 108 x 50)

Corrobrik paver (220 x 108 x 50)

Corrobrik piazza paver (220 x 52 x 50)



Textured wall explorations



Double leaf wall constructed with a flemish bond and the front leaf with a stretcher bond

Three leaf wall manipulating the front leaf to create a textured wall.

Brick force between every 3rd brick course

water feature with bricks protruding through the water

Cast in situ concrete base for water feature with polyurethane sealer waterproofing (Durapond)

300 x 700 strip concrete foundation

Curved wall section elevation 1:10 BB



Vegetable Garden

Pavilion

Gathering Space

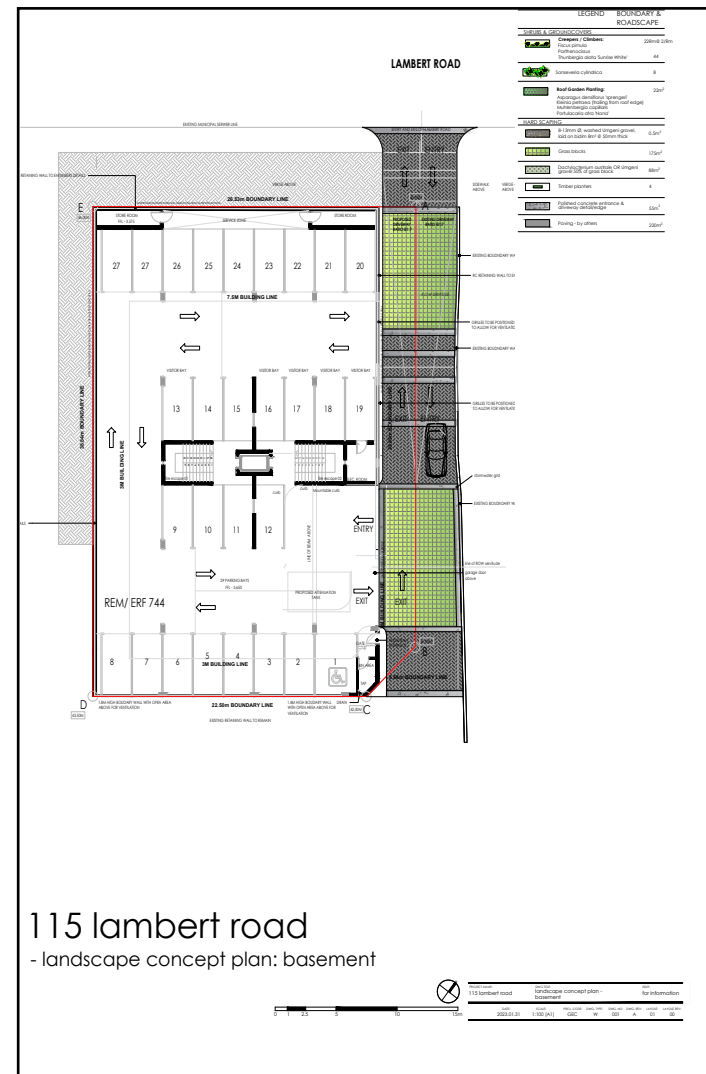
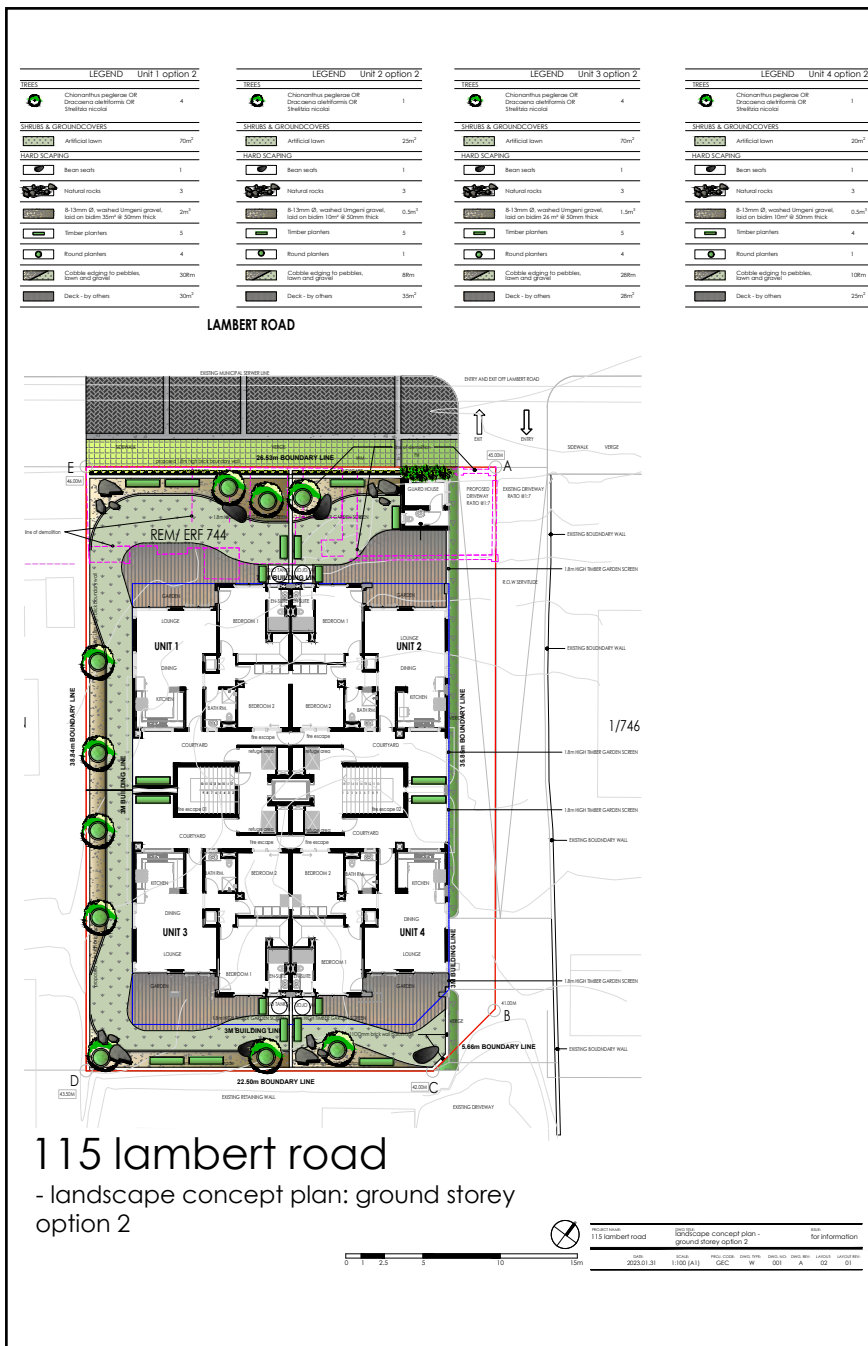
Tasks and projects I was involved in while working at an landscape architectural firm includes preparing mood boards, landscape concept plans for residential projects , site specific and services plans, as well as 3D modeling and rendering.



04 WORK RELATED PROJECTS

Mood boards are an effective tool to use when communicating with the client. It is easy to get an idea of what they imagine their landscape would look , what they like and dislike.

Mood Boards

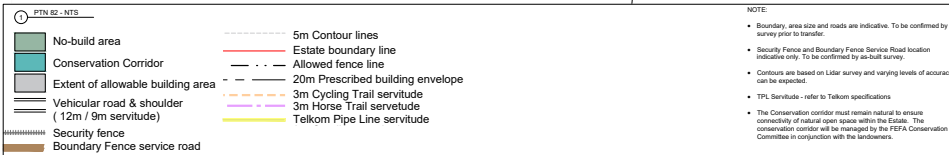


In this project the clients expressed their need for a light weight landscape design due to a thin concrete slab carrying the load of the 4 story building. Therefore planters and artificial grass lawn was incorporated in this design.

Commercial Housing

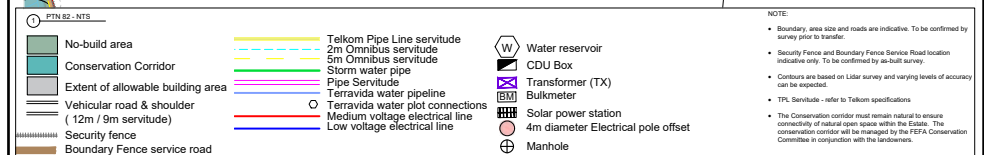
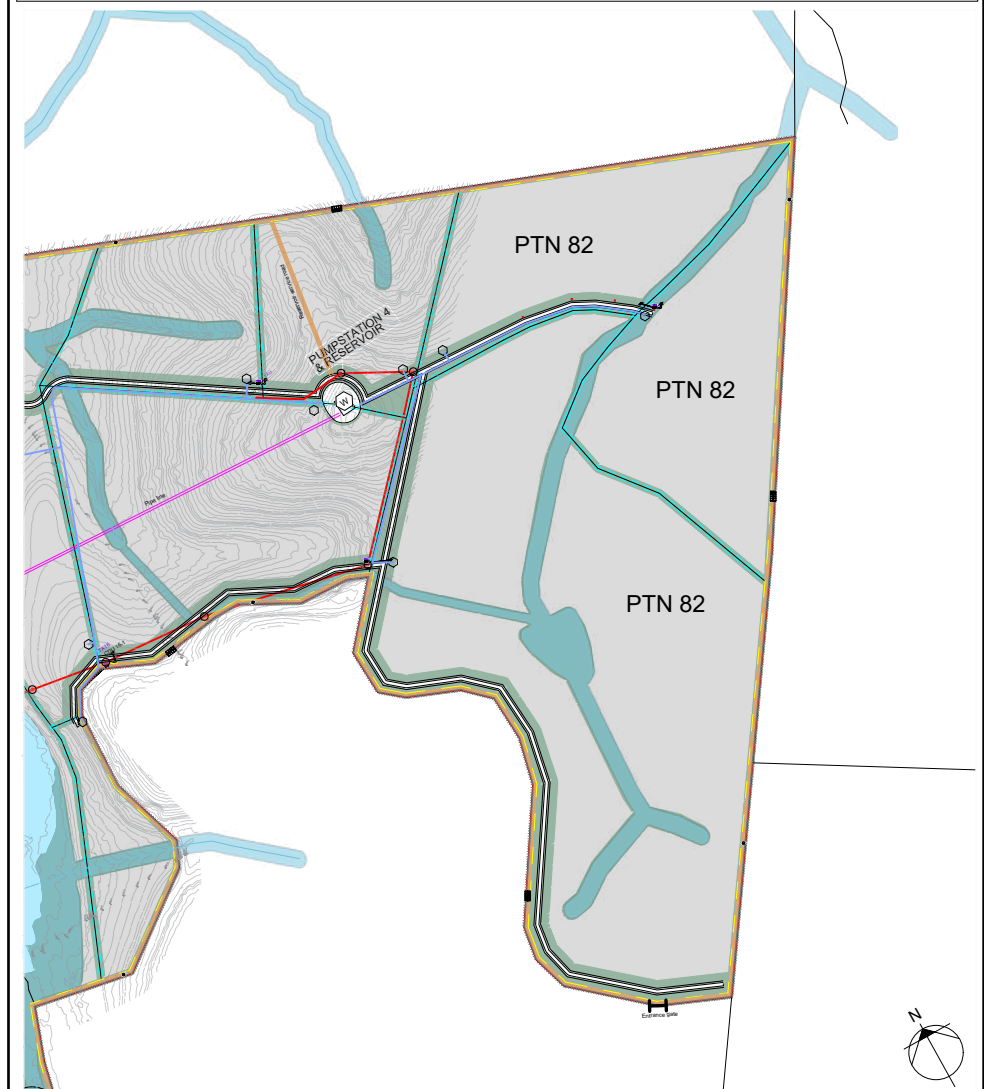
Site Specific Plan

Portion 82
Site Area: 38,1380 ha



Services Plan

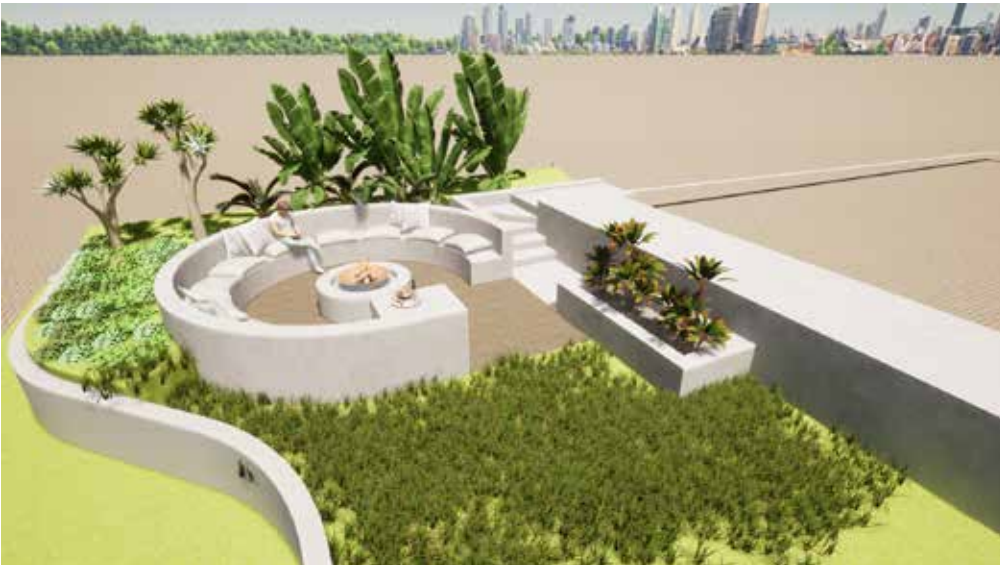
Portion 82
Site Area: 38,1380 ha



Site specific and services pans



An example of 3D modeling on SketchUP (left) for information purposes and the renders of the same project in Podium (below) to give the clients an idea of the final product.



3D Modeling and rendering