1.
Concept

DAILY TOUS LES JOURS SvN Architects + Planners latéral.

Patina of life proposes an expanding tapestry of playful and experimental ecologies, a living pathway connecting shared habitats and inspired by Toronto’s new generation of gardeners.

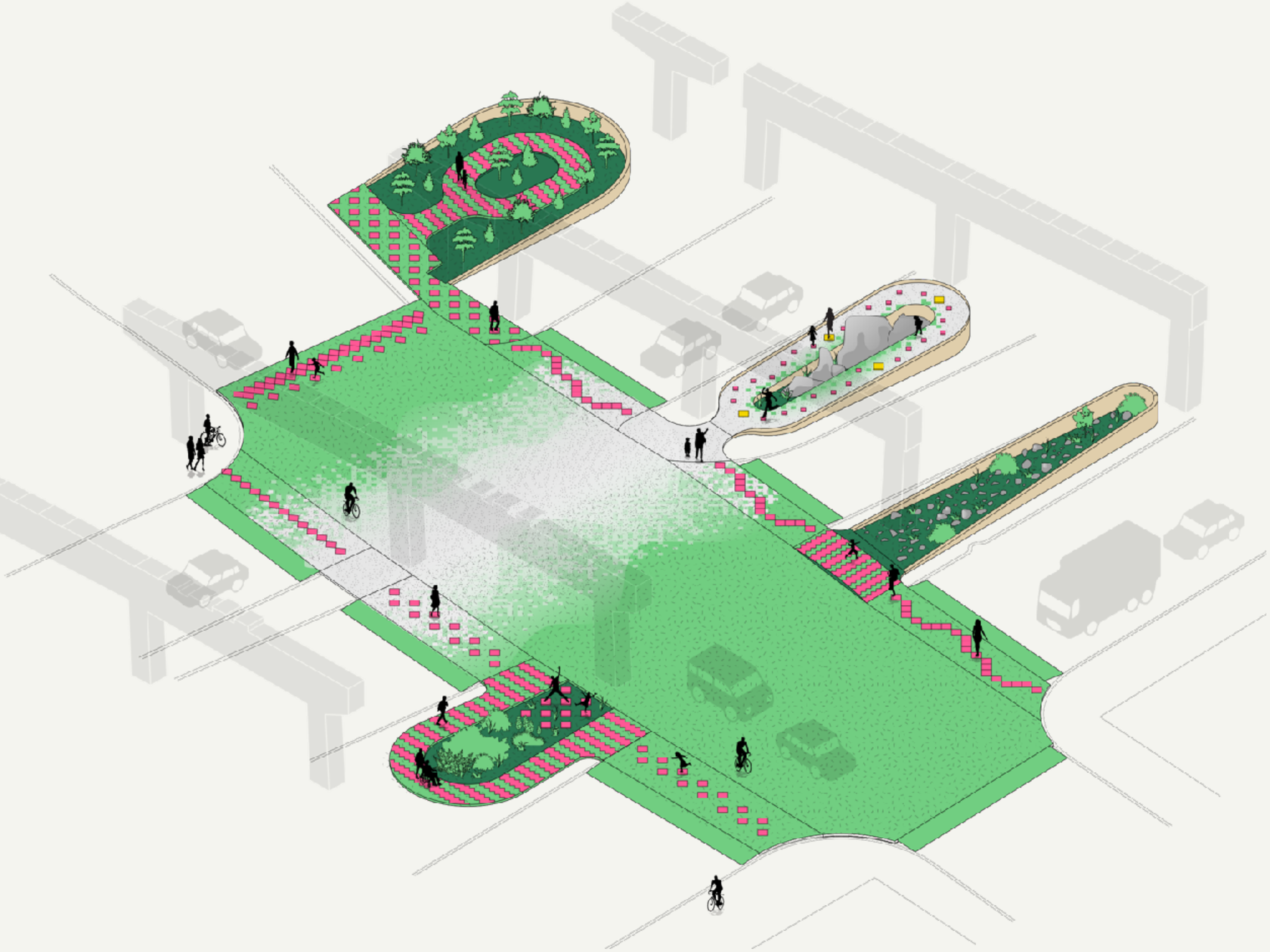
Concept

It transforms the daunting process of crossing the Simcoe site into an uplifting experience that hints at alternative ways to deploy urban infrastructure.

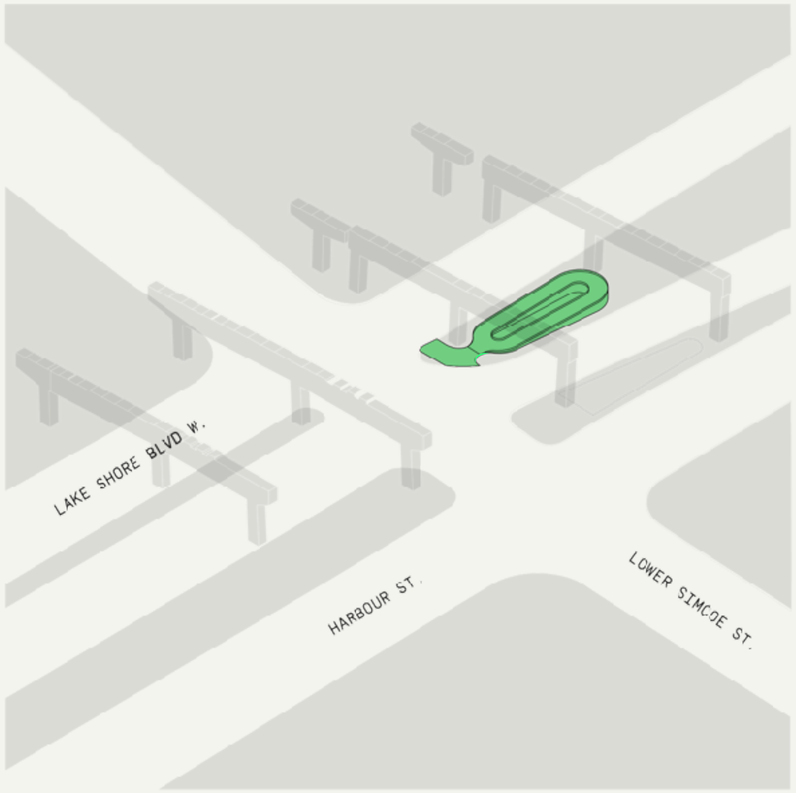
Overview

A series of green micro-corridors connect and expand to reveal a living canvas of experimental gardens throughout and around the Simcoe intersection.

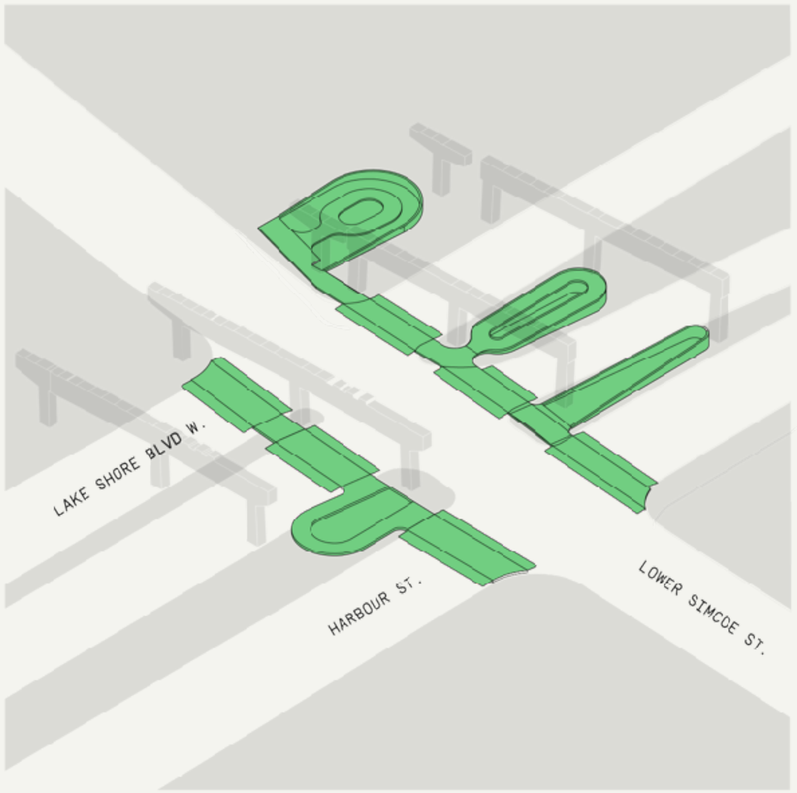
Passersby are invited to discover the hidden landscape under The Gardiner, to hop across, take a detour and move along with the ants and the bees.



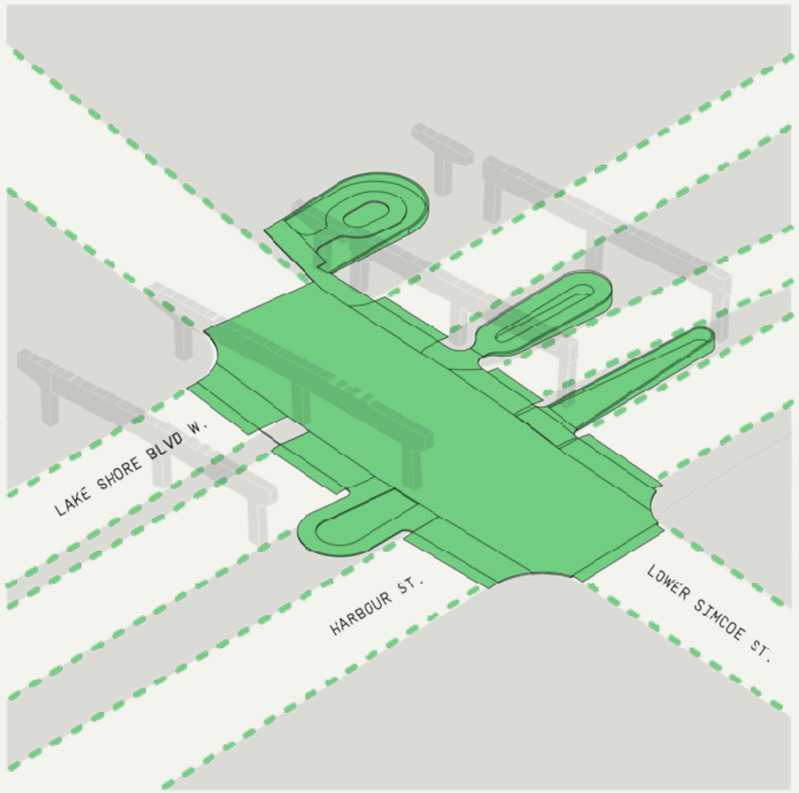
Evolving Gateway



Stage 1 (current): 2022+
First interactive experimental garden comes to life

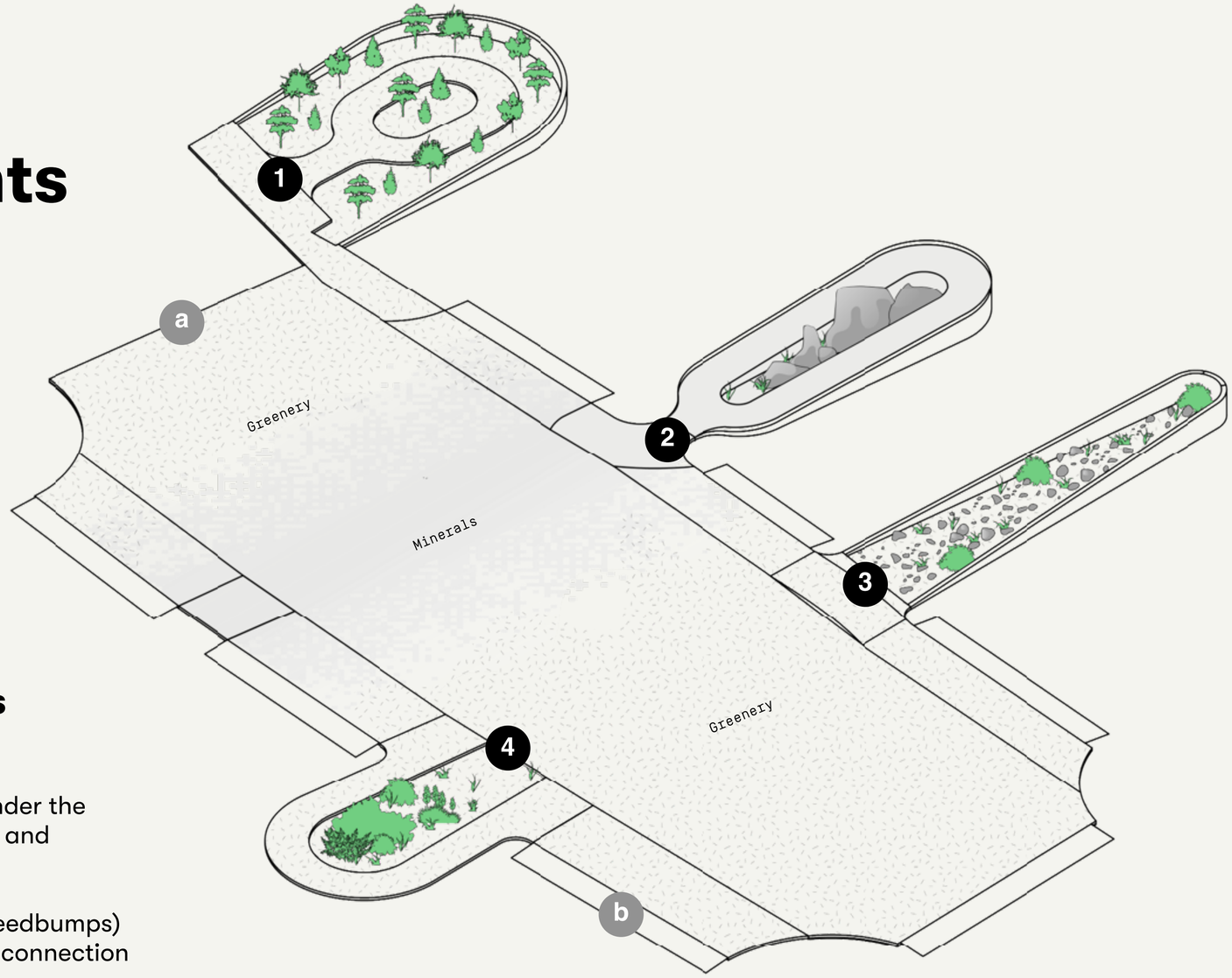


Stage 2 (expanded): 2025+
Green micro-corridors multiply, painted and built



Stage 3 (full vision): 2030+
Shared & connected habitats emerge when asphalt and car make way

Resulting Ecosystem Components



Islands & Gardens

1. **Seedling Library**
   Conditions: moderately sunny
2. **Experimental Rock Garden**
   Conditions: shady, salty, dry
3. **Saltwater Marsh Garden**
   Conditions: sunny, salty, humid
4. **Experimental Pollinator Garden:**
   Conditions: very sunny, salty

Connections Modules

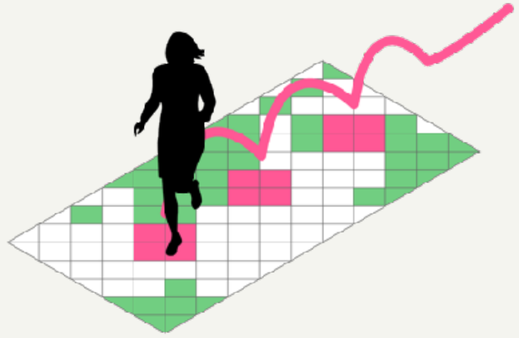
- a **Central Platform**
  Creates a shared platform under the Gardiner, raising pedestrians and slowing down cars
- b **Green Micro-corridors:** (Speedbumps)
  Forging a green North-South connection under the Gardiner

Interspecies Choreography

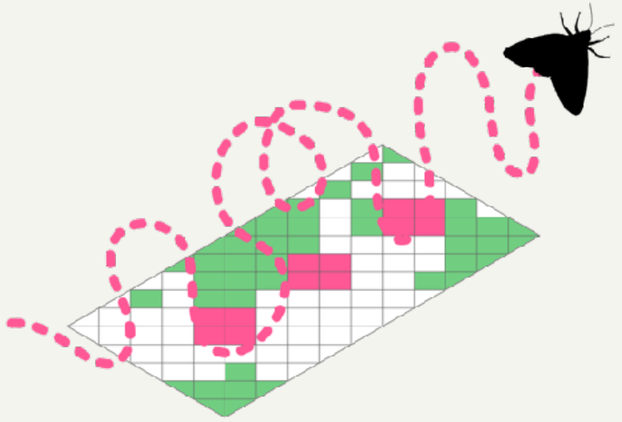
Ground Modules

- Solid & playful surface
- Greenery
- Gravel & decomposing matter

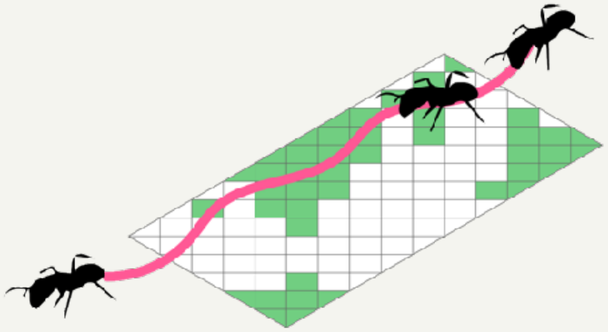
Humans:
bypass greenery, walk on gravel



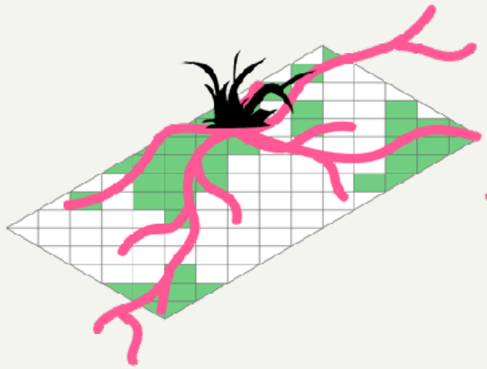
Humans:
intuitively hop around
(and light some things up along the way!)



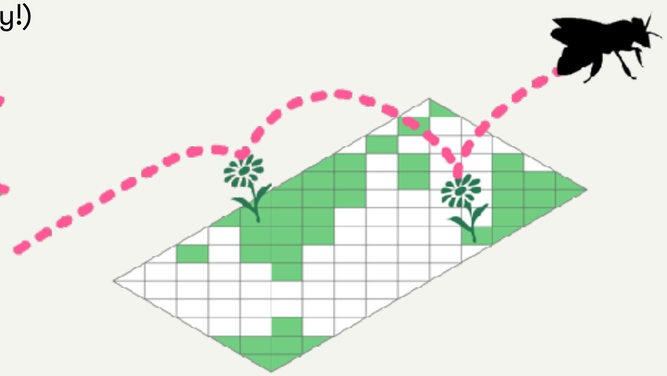
Moth:
Lévy flightpath



Ants:
create is itinerary in gravel
& greenery

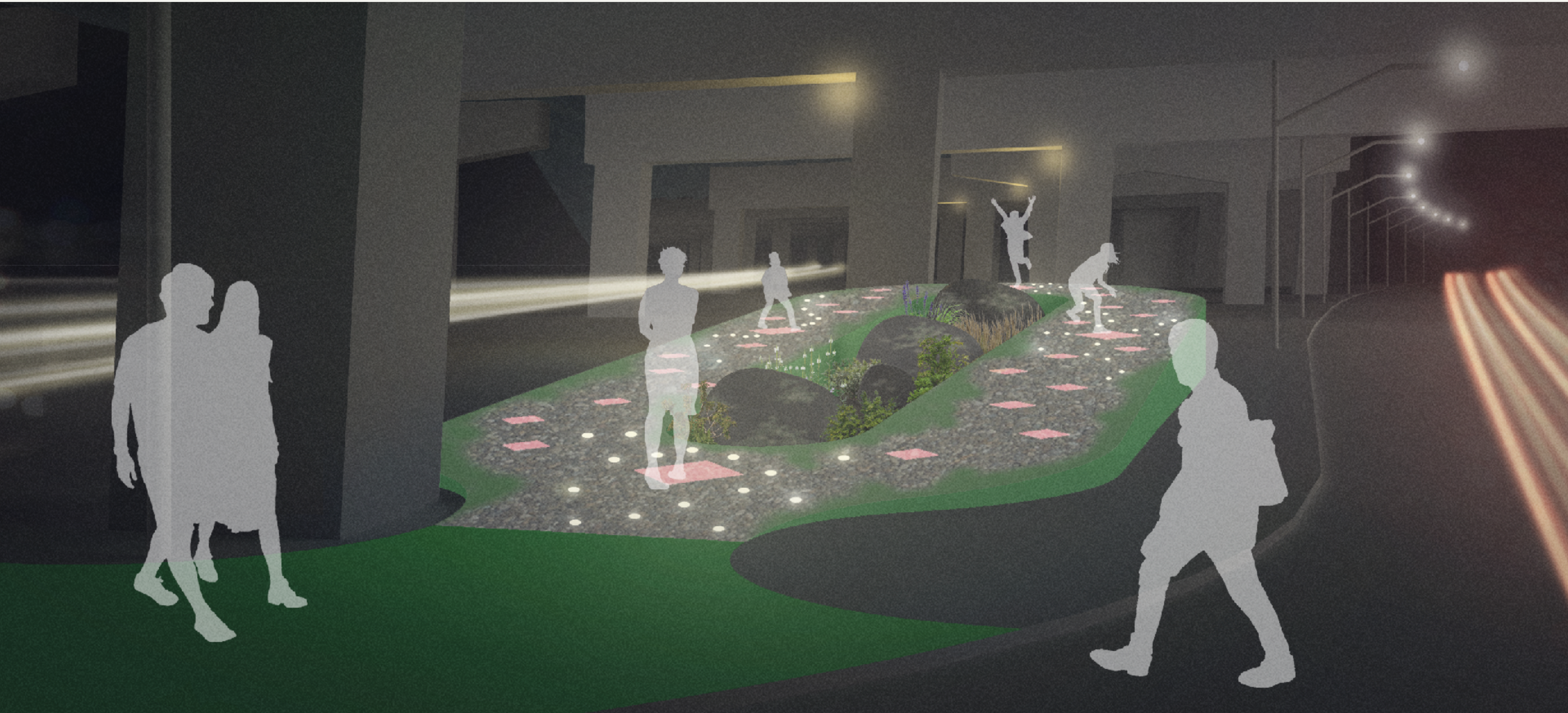


Plants:
propagate in gravel

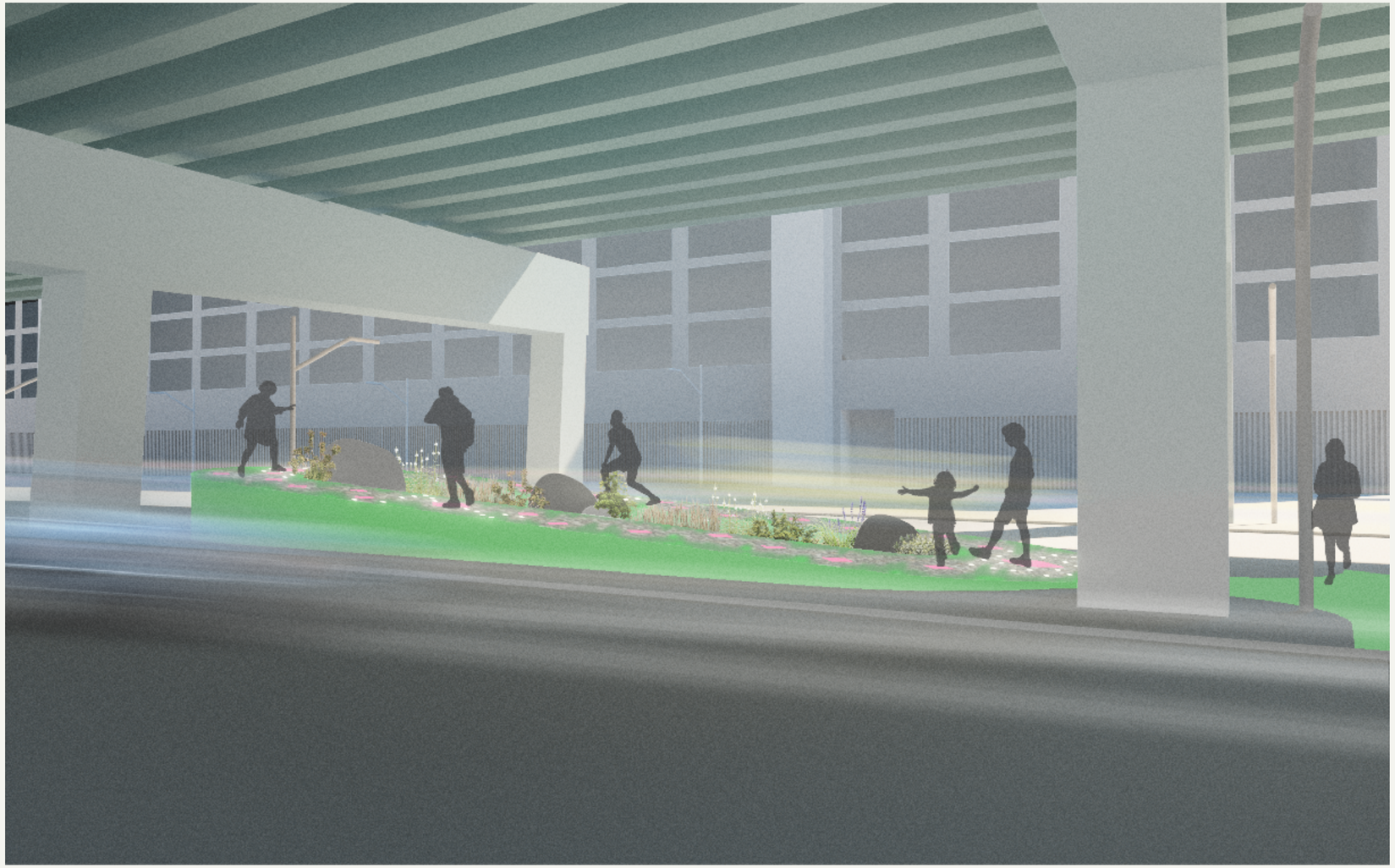


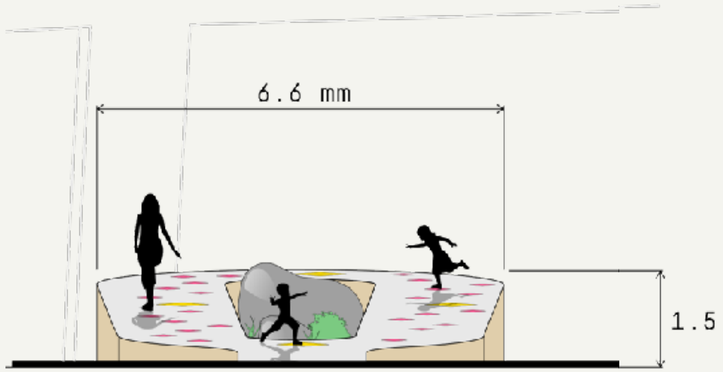
Bees:
fly, forage in greenery, fly...

Stage 1: Experimental Gardens



Stage 1: Experimental Gardens

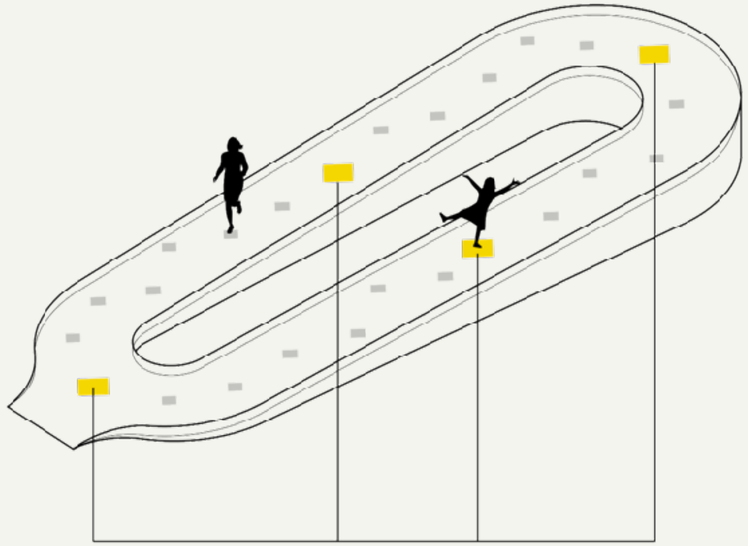




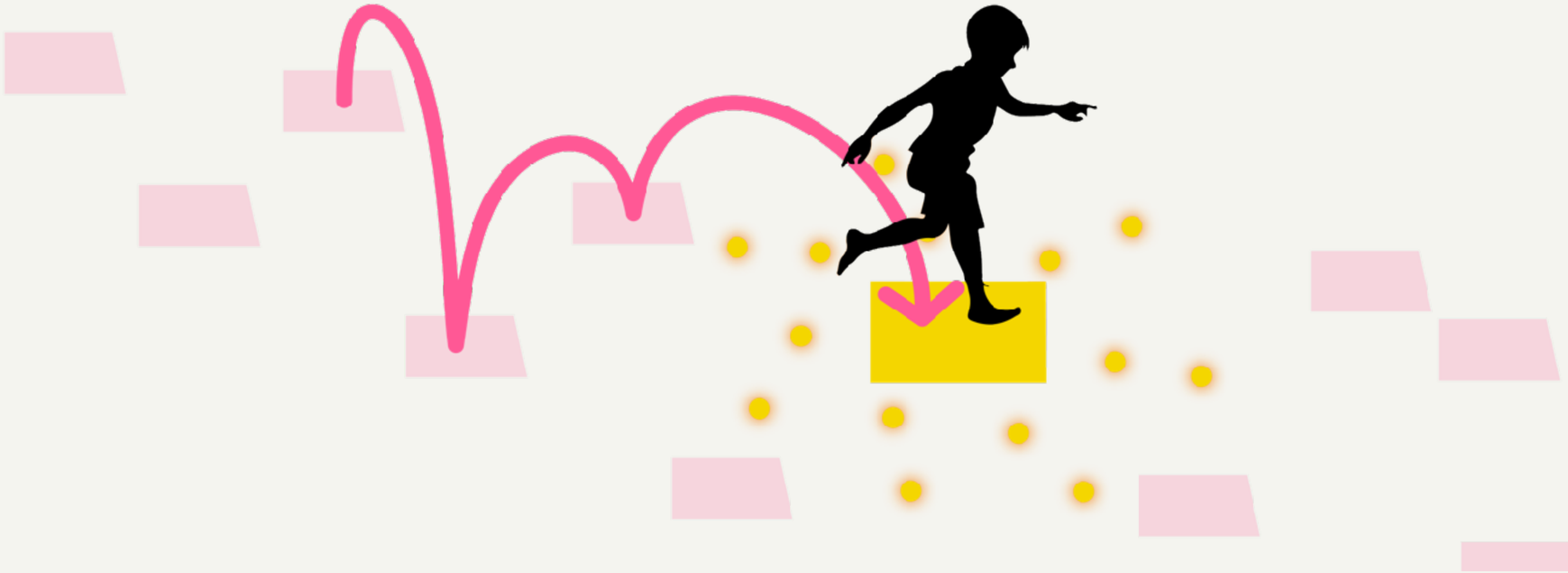
Elevation

Aligning Paths

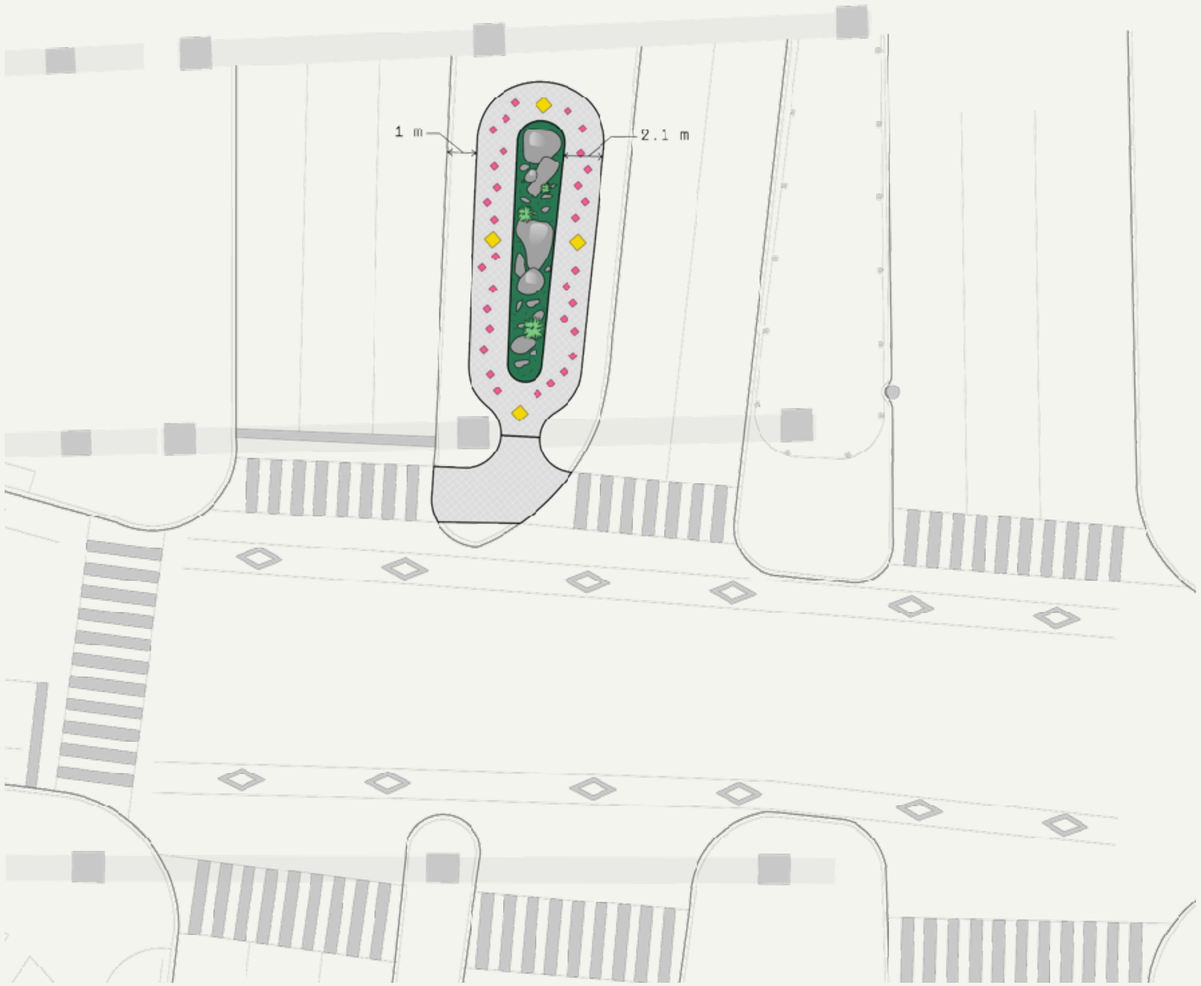
Interactive stepping stones invites visitors to trigger a variety of light games around the loop.The flow of the lights play with the motion of of species as they navigate the micro-corridors.



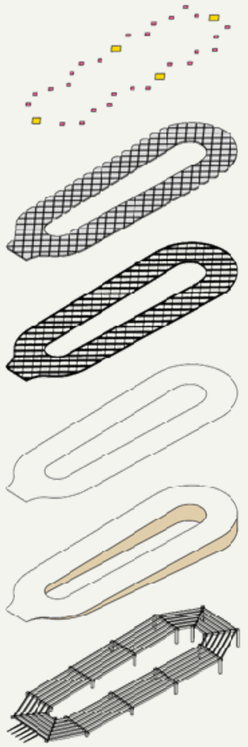
Loop:
Interactive Tiles



Construction



Site Plan



Structural Diagram

Interactive Path & Modules

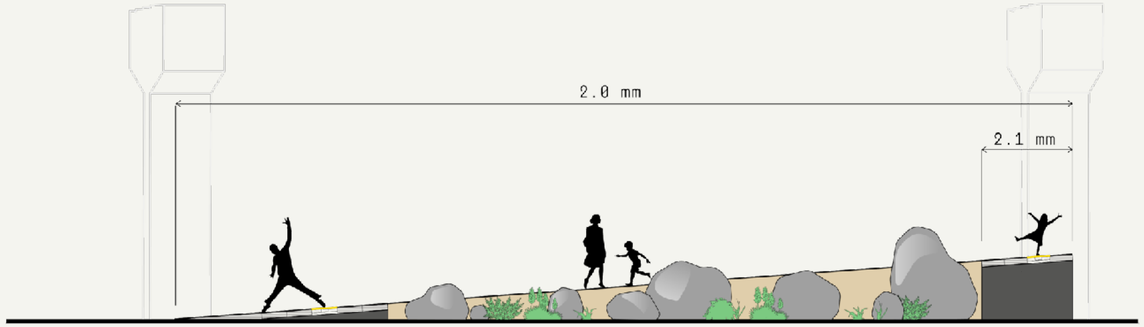
Planting & Planting Mediums

Permeable Tiles

Water Detention Substrate

Lining & Decorative Siding

Framed Structure & Anchors

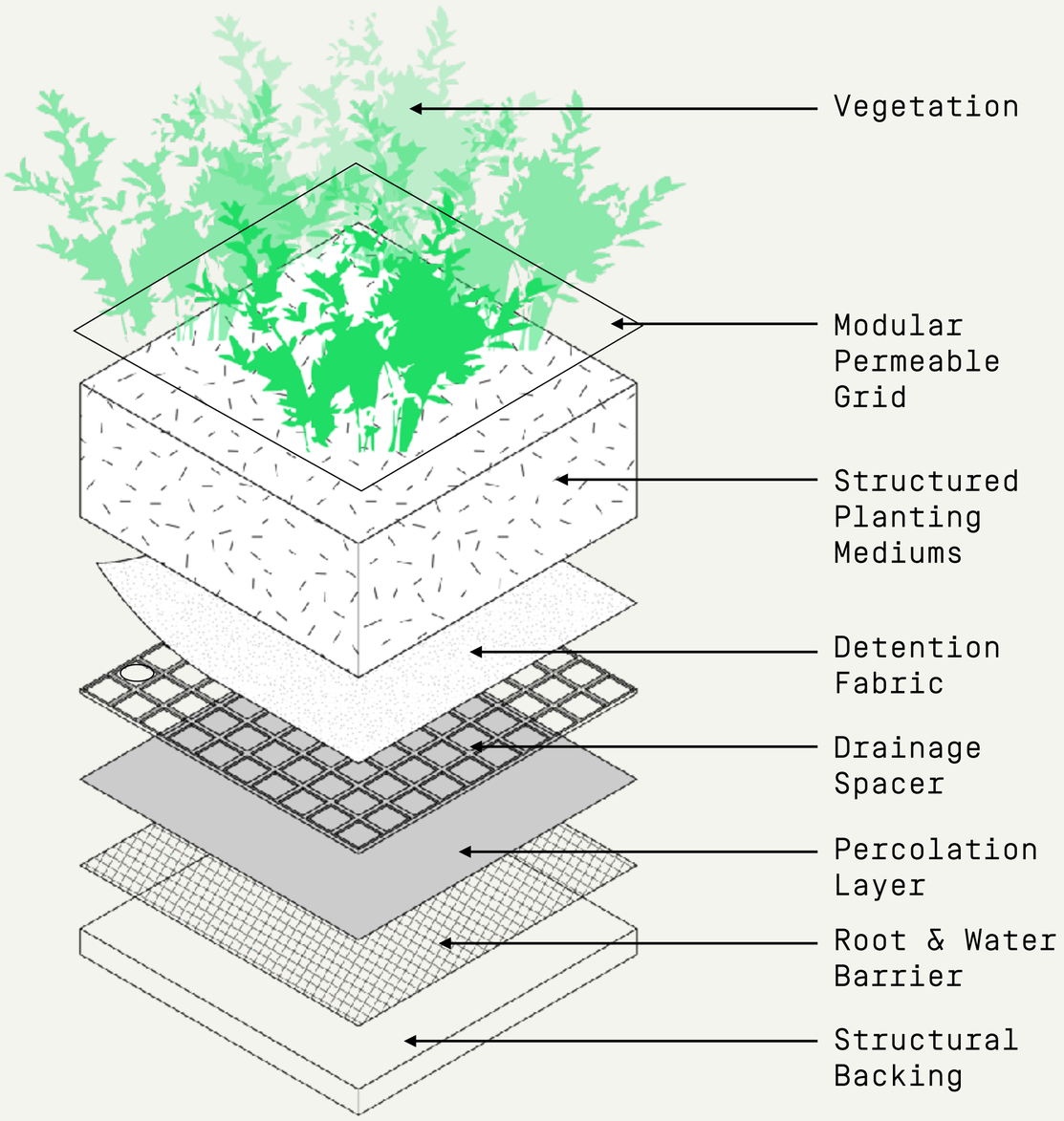


Section

Modular Microlandscapes

Built on the foundations of local ecological precedents (marshes, creeks, forests and oak savannahs) and ecosystems analogous to the local conditions (alvar landscapes) the artwork integrates a canvas for experimental interactions between species and hyperlocal conditions.

Flora	Fauna	Mediums	Ecological
Alvars	Moths	Rocks	Salt Marshes
Midnight Jasmins	Bees	Gravel	Extremophiles
Chicory	Beetle	Humus	Crepuscular species
White Clover	Ants	Bark	Urban tolerant species
Canada Yew	Spiders	Recycled Fibres	Pollinator-focused
Woodland Strawberry	Caterpillars	Recycled Aggregate	Pollution-accumulators
Birdsfoot Trefoil	Earthworms	Recycled Glass	Native Species



Proposed Installation, Maintenance & Upkeep Plan

Artwork Lifecycle

The artwork is designed to sustain an interactive garden on the site for a period of approximately three years. Its design takes into consideration required durability and sustainability considerations. In collaboration with local horticulturists and developed in close collaboration with adjacent communities, the artwork will explore shared maintenance strategies between city, design & implementation partners, and potential community stakeholders.

Routine maintenance comparable to maintenance of roadways, pedestrian or cyclist routes are expected and will require further review during design detailing in order to develop a custom realistic and effective maintenance strategy.

Installation

The artwork will be designed in accordance to best practices for installation in sensitive environments, in order to minimise downtime and danger posed during the installation and operations.

Prior to installation, a survey and preparation of structural anchors will take place, validated against fabrication data prior to assembly. Parts of the installation should also be prototyped.

The off-site assembly will entail full prebuild and test procedure, with full electrical and structural conditions tested for an extended period so as to replicate real-world conditions.

Installation (cont.)

A stand-in period of one week will follow the completion of installation, with resources on reserve in case of unexpected malfunction.

Seasonal Upkeep

The artwork budget should include costs for specific seasonal maintenance, including partial replacements of garden materials, technologies and other surface treatments.

During winter months, the garden is intended to hibernate on site, with all equipment left in situ and no additional maintenance expected

Routine and Occasional Maintenance

- Weekly visual inspection (for signs of damage or excessive wear)
- Weekly system inspections (functioning of sensor feedback and light reactivity)
- Occasional horticultural inspection, watering and nutrient management to be carried out by an appointed specialist named as part of the tender or through the participation of identified community stakeholders
- Seasonal maintenance requirements (replanting, replacing materials, etc.) to be carried out by an appointed specialist named as part of the tender and budgeted as part of the artwork.
- Full operation and maintenance plan will be provided with the artwork and some spare parts for electronic components will be provided.