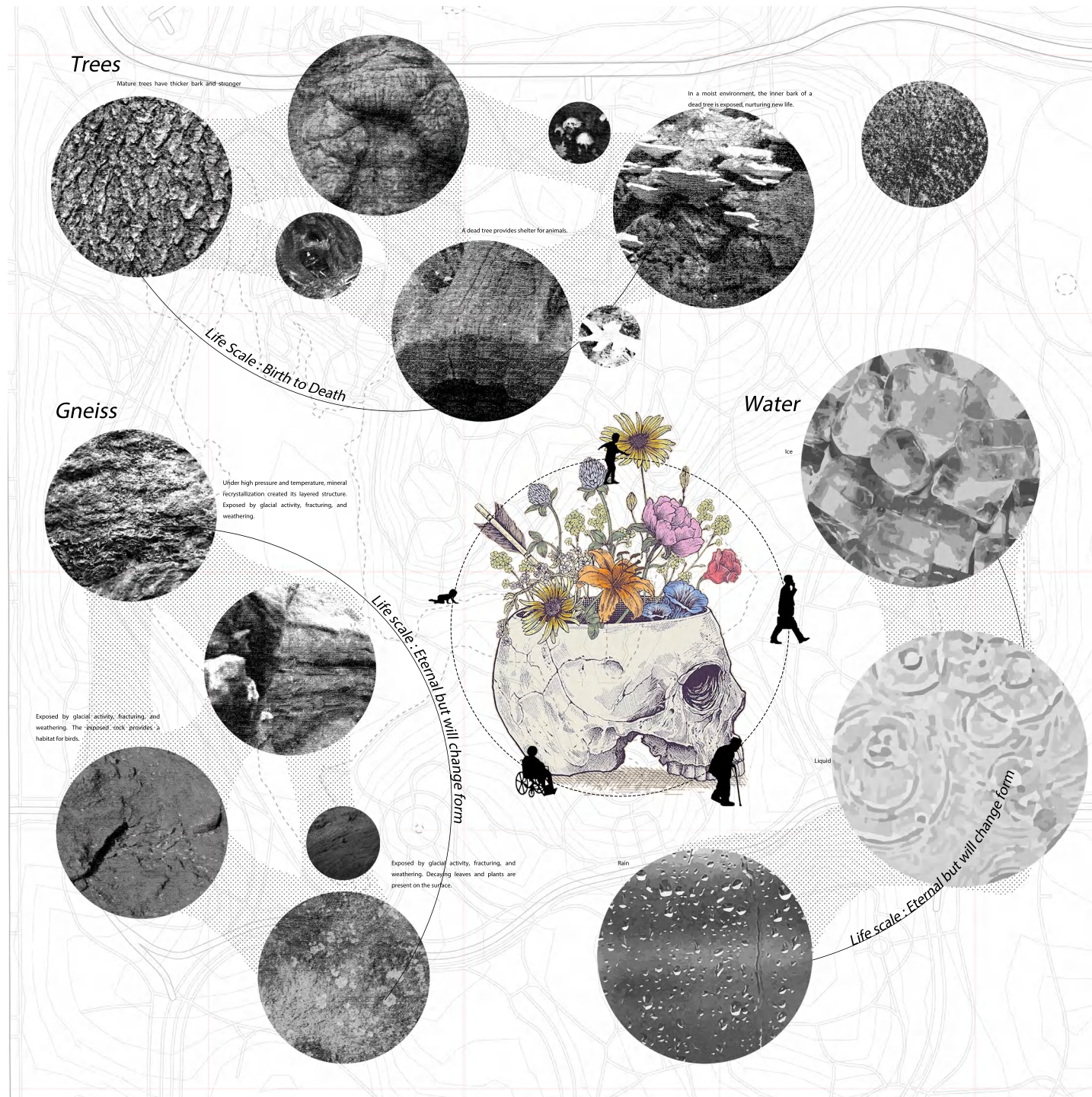


PORTFOLIO

HAOYU WU

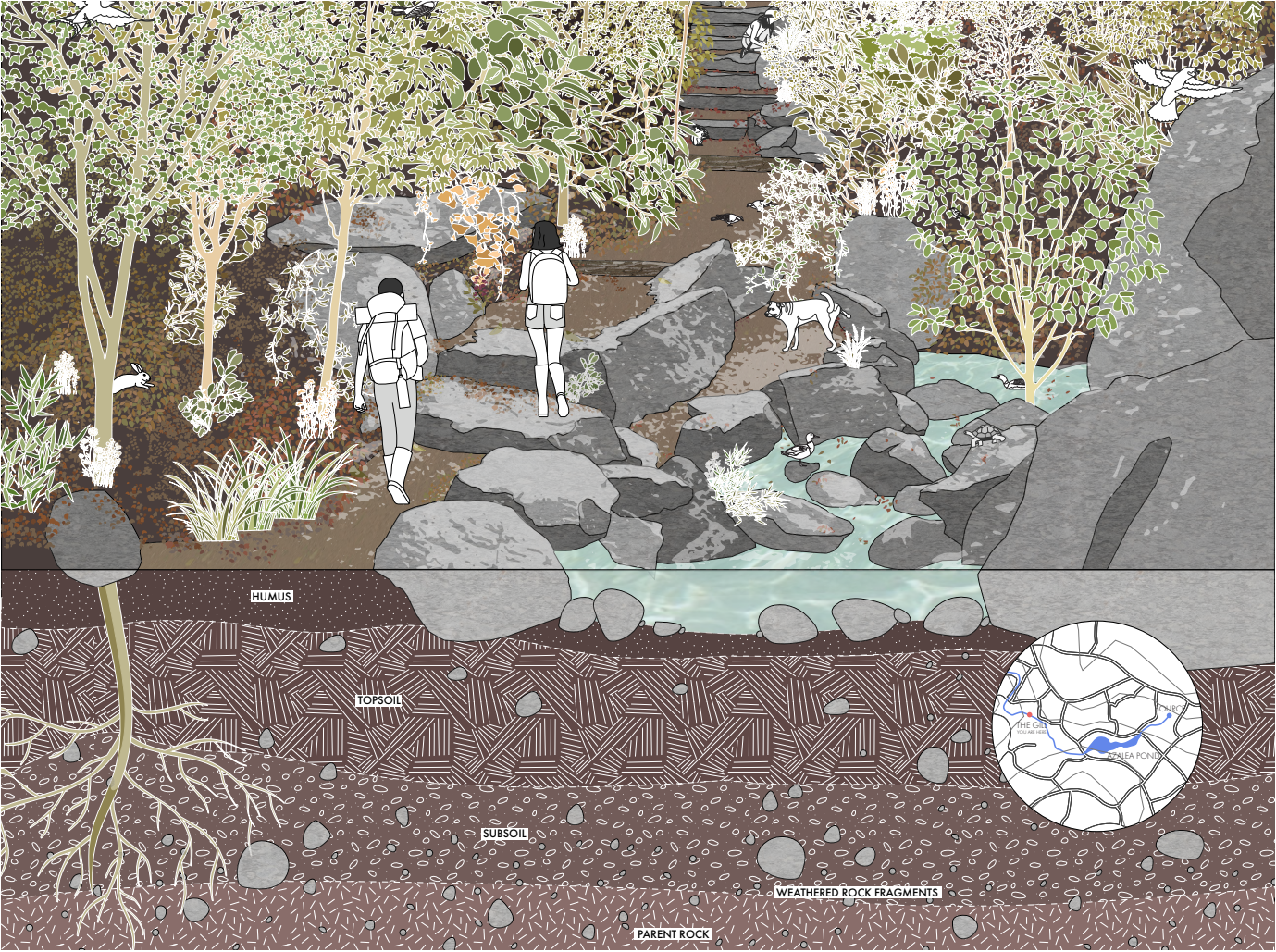
2014 - 2025

SELECTED WORKS

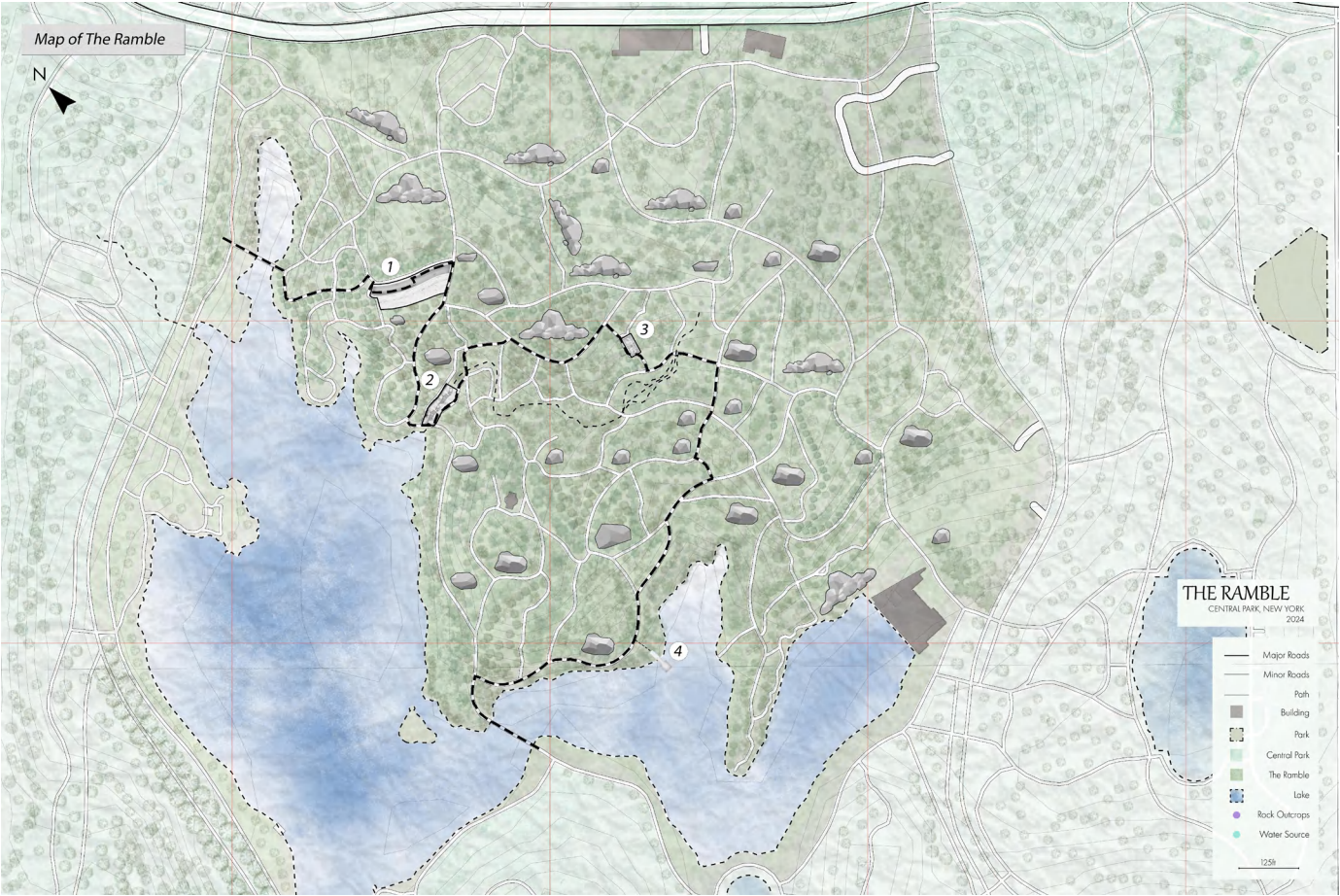


01
The Ramble
Nature & Transmutation
Personal work
Location: New York, USA
Date of project: Summer 2024
Instructor: Michelle Shofet, Larissa L. Belcic

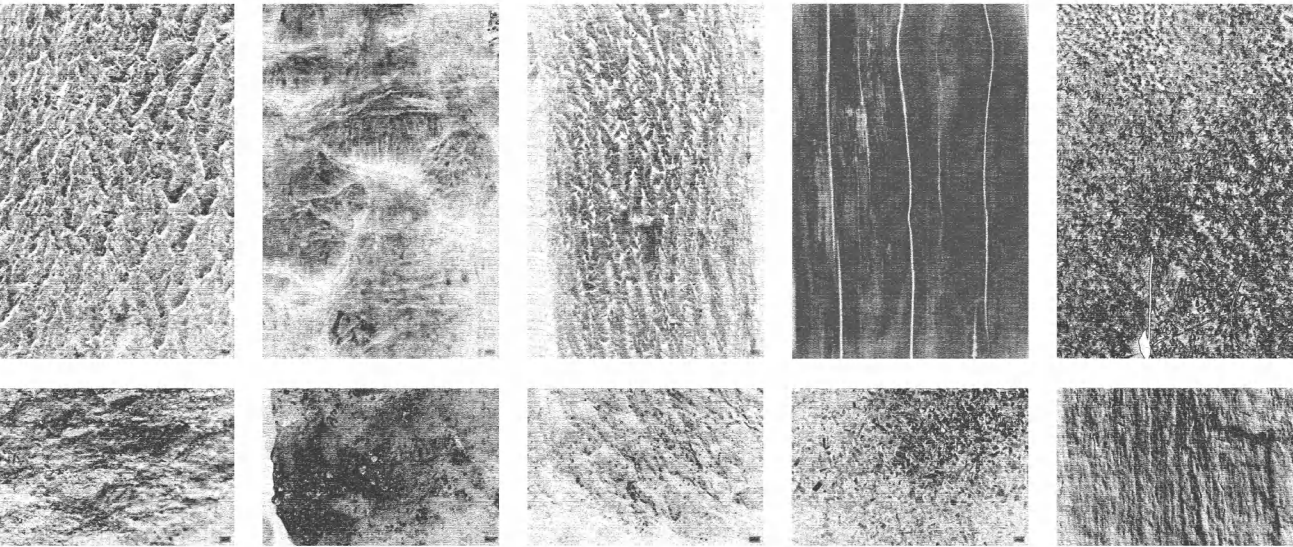
"The Ramble" is a place where artificial and natural elements seamlessly blend, creating a uniquely chaotic yet harmonious form of nature. This hybrid environment offers a comfortable experience of nature, with meticulously designed park sidewalks and strategically placed seating. Streams, maintained through an uninterrupted water supply, enhance the natural ambiance. These artificial elements fragment The Ramble into various natural segments, both in two-dimensional and three-dimensional perspectives. This transformation integrates nature more intimately into the urban landscape, making it more accessible and intertwined with the city's fabric.



MAP OF THE RAMBLE



TEXTURE



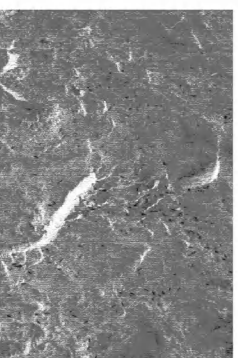
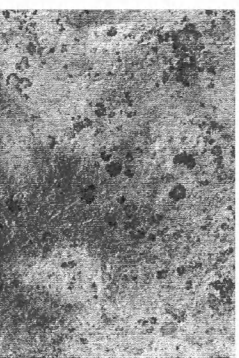
Glacial activity, geological fracturing, and weathering processes gradually exposed and isolated them.

Under high pressure and temperature, mineral recrystallization created its layered structure. Exposed by glacial activity, fracturing, and weathering.

Exposed by glacial activity, fracturing, and weathering. Decaying leaves and plants are present on the surface.

Exposed by glacial activity, fracturing, and weathering. The exposed rock provides a habitat for birds.

Gneiss



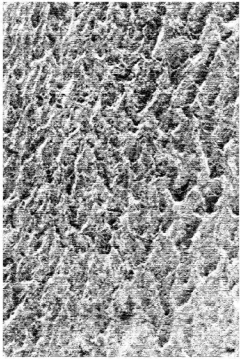
Mature trees have thicker bark and stronger

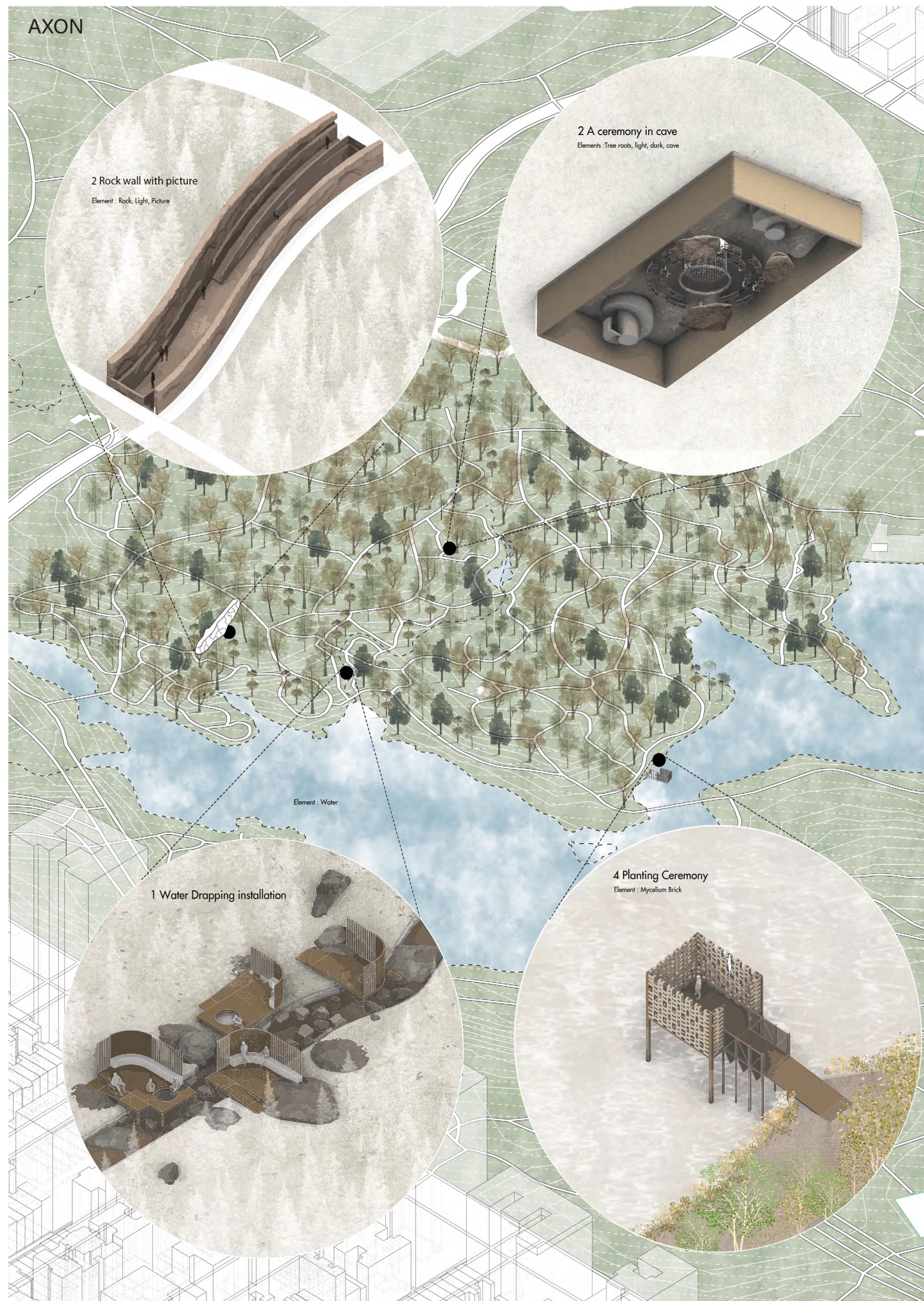
Mature trees have thicker bark and stronger

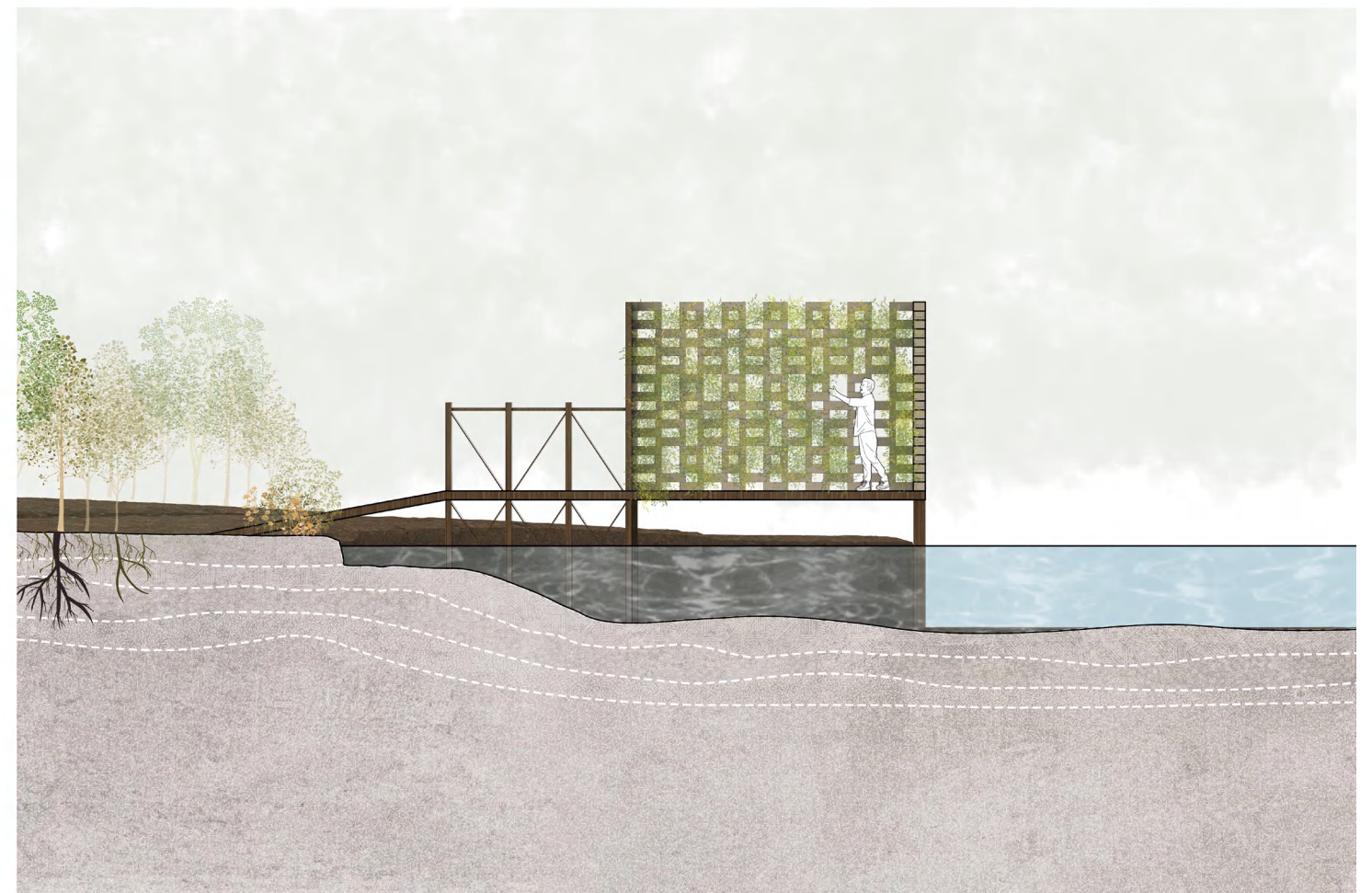
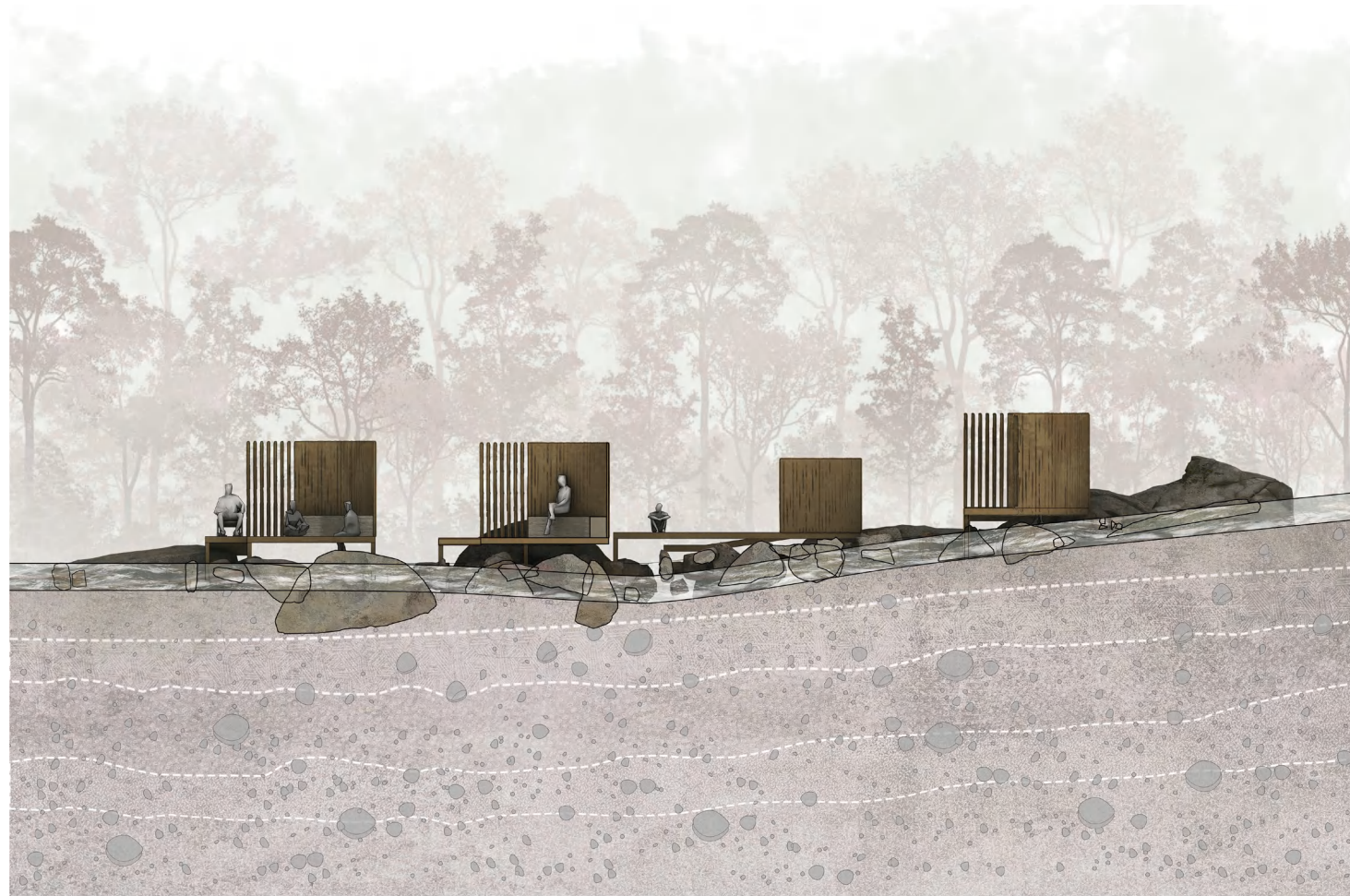
A dead tree provides shelter for animals.

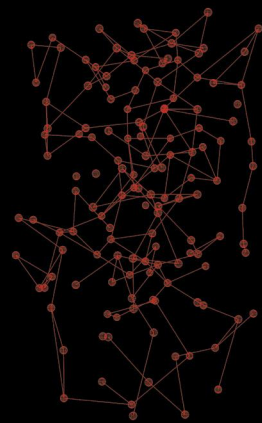
In a moist environment, the inner bark of a dead tree is exposed, nurturing new life.

Trees







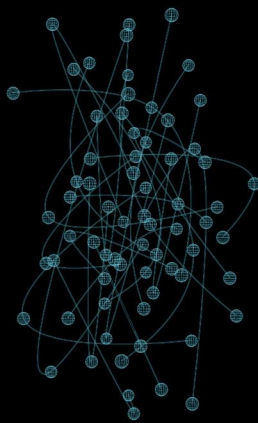


Anthrophony

Sounds generated by human activities, which are mostly concentrated in the surface area.

Examples include short and frequent sound events such as footsteps, conversations, and construction noise.

The particles are small and dispersed, showing the strong locality of the sound.



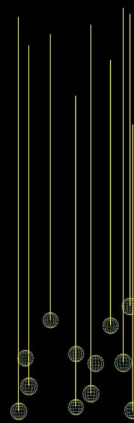
Biophony

The sounds of organisms (such as plants and microorganisms) and natural environments.

The sound of underground water flow, the tiny vibrations of plant roots, and the sounds of insects or small animals.

The particles are medium-sized and widely distributed, reflecting the continuity and connectivity of natural sounds.

The curve represents the nonlinear propagation path of sound, showing the reverberation, refraction or diffusion characteristics of sound in the underground environment.

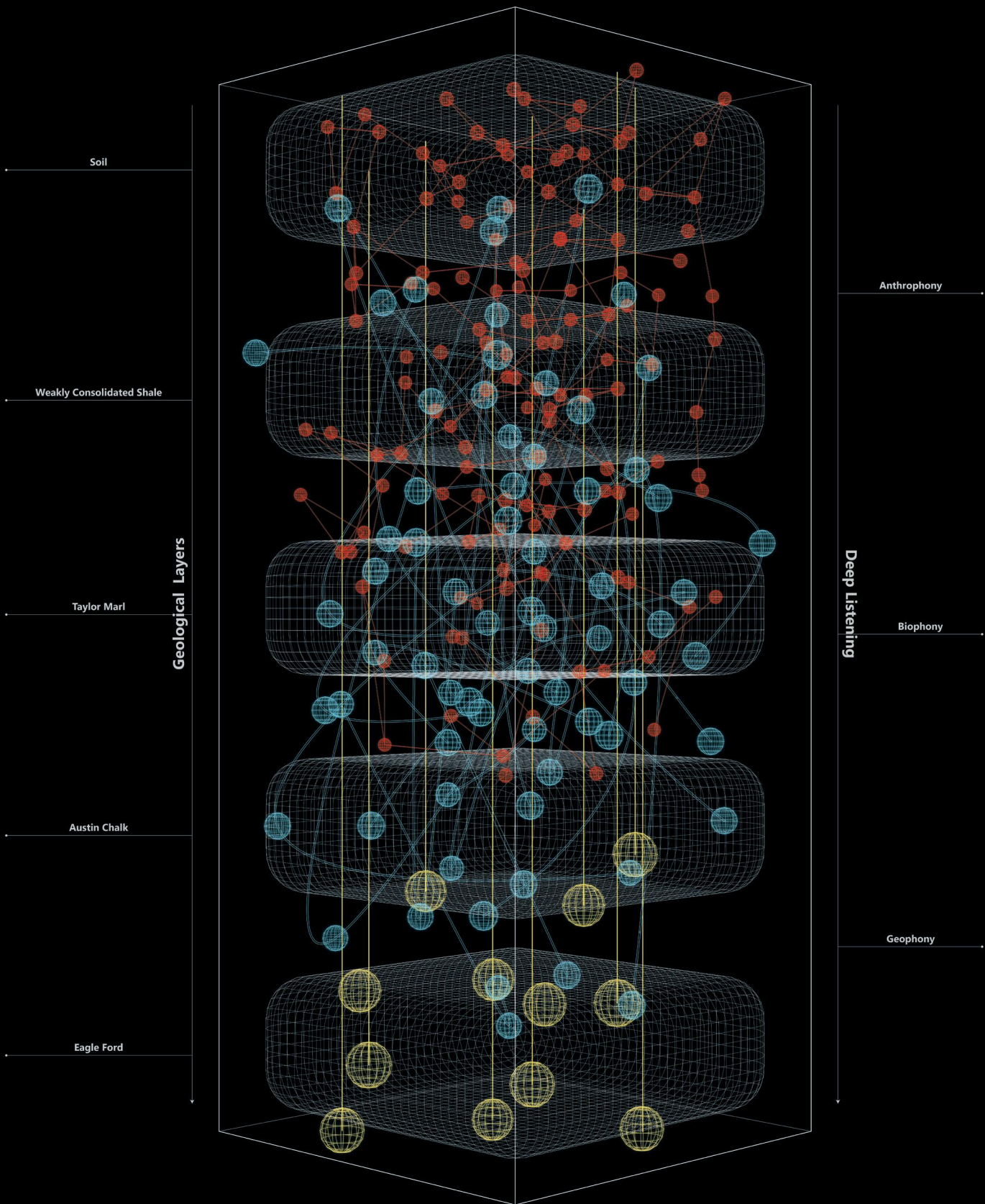


Geophony

The sounds of the geological environment, such as stress changes in rock layers, resonance or silence deep underground.

The particles are the largest and the deepest, symbolizing the depth and long-term nature of the source of these sounds.

The vertical straight line shows that the sound propagates upward from deep underground, connecting the deep layer with the surface.



02

Super Sonic: Texas Listening

SSC Thought Experiment

Group Work

Partner: Ziqian Xu, Runhe Song

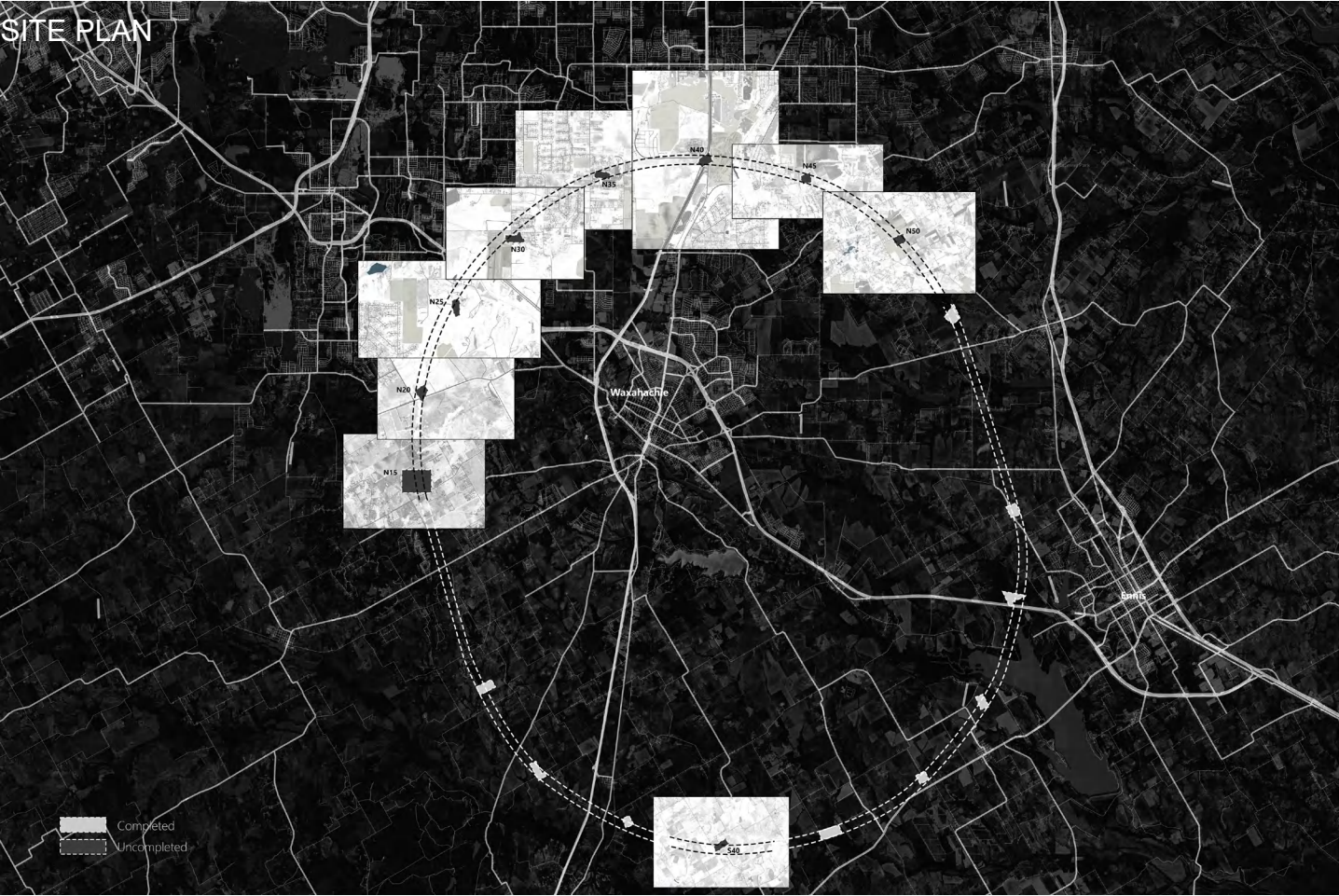
Location: Texas, USA

Date of project: Fall 2024

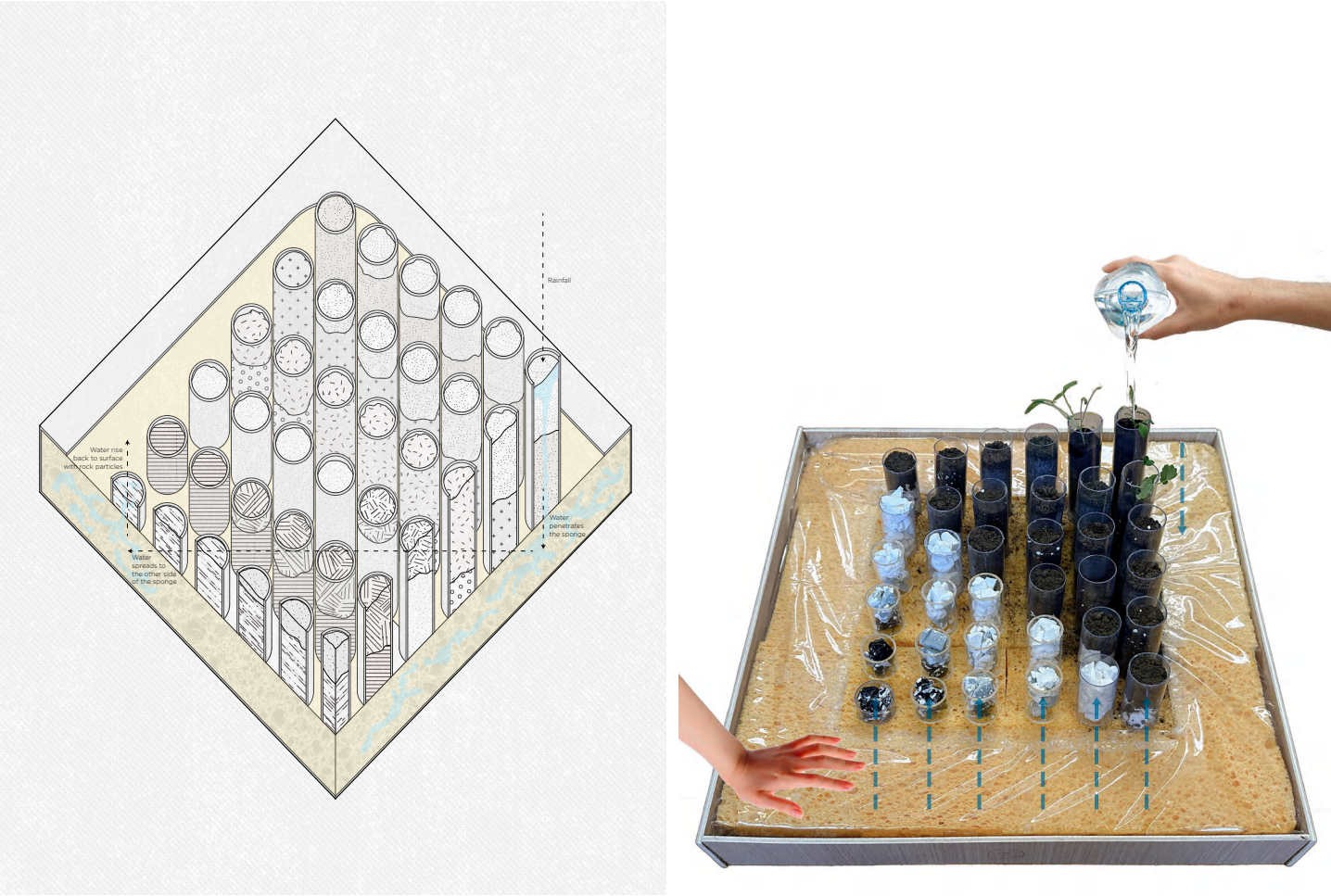
Instructor: Lindy Roy

The Superconducting Super Collider (SSC), a monumental yet abandoned scientific endeavor of the industrial age, lies dormant beneath Texas. Its 17 shafts and 14.5-mile tunnel, once intended for particle physics, now stand as relics of human ambition—offering a unique acoustic and sensory infrastructure. This subterranean network, shaped by geophony, biophonic, and anthrophony, becomes a canvas for reimagining humanity's relationship with sound, nature, and introspection.

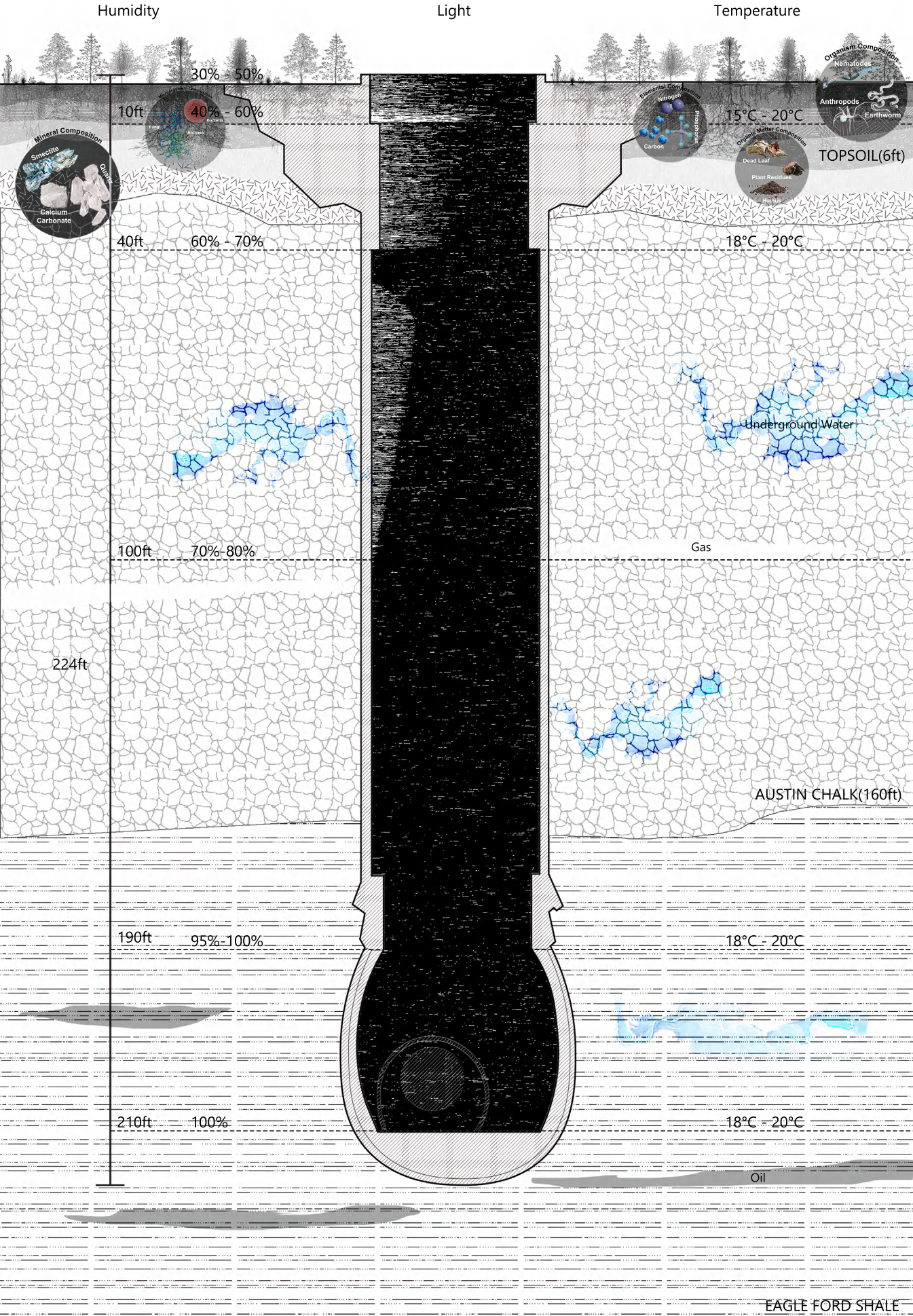
Our project transforms SSC into a Deep Listening sanctuary, where visitors descend through dynamic microclimates to encounter amplified layers of Earth's soundscape. From lively sonic environments to meditative silence, the project harmonizes human interaction with geological and ecological rhythms. Through interactive junctions, immersive concerts, and reflective spaces, it invites a profound reconnection—to oneself, to others, and to the planet's often unheard voices.

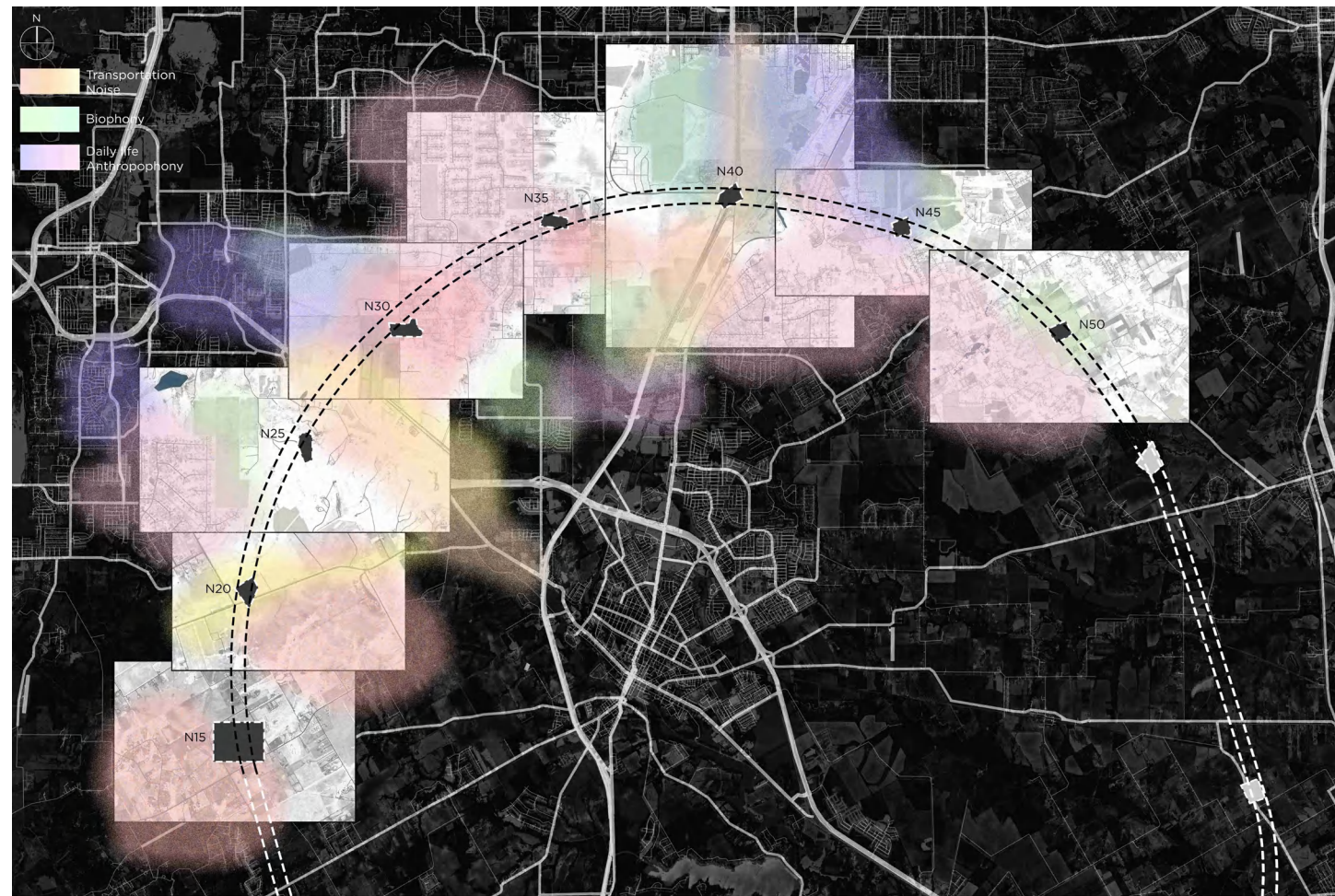


PROTOTYPE

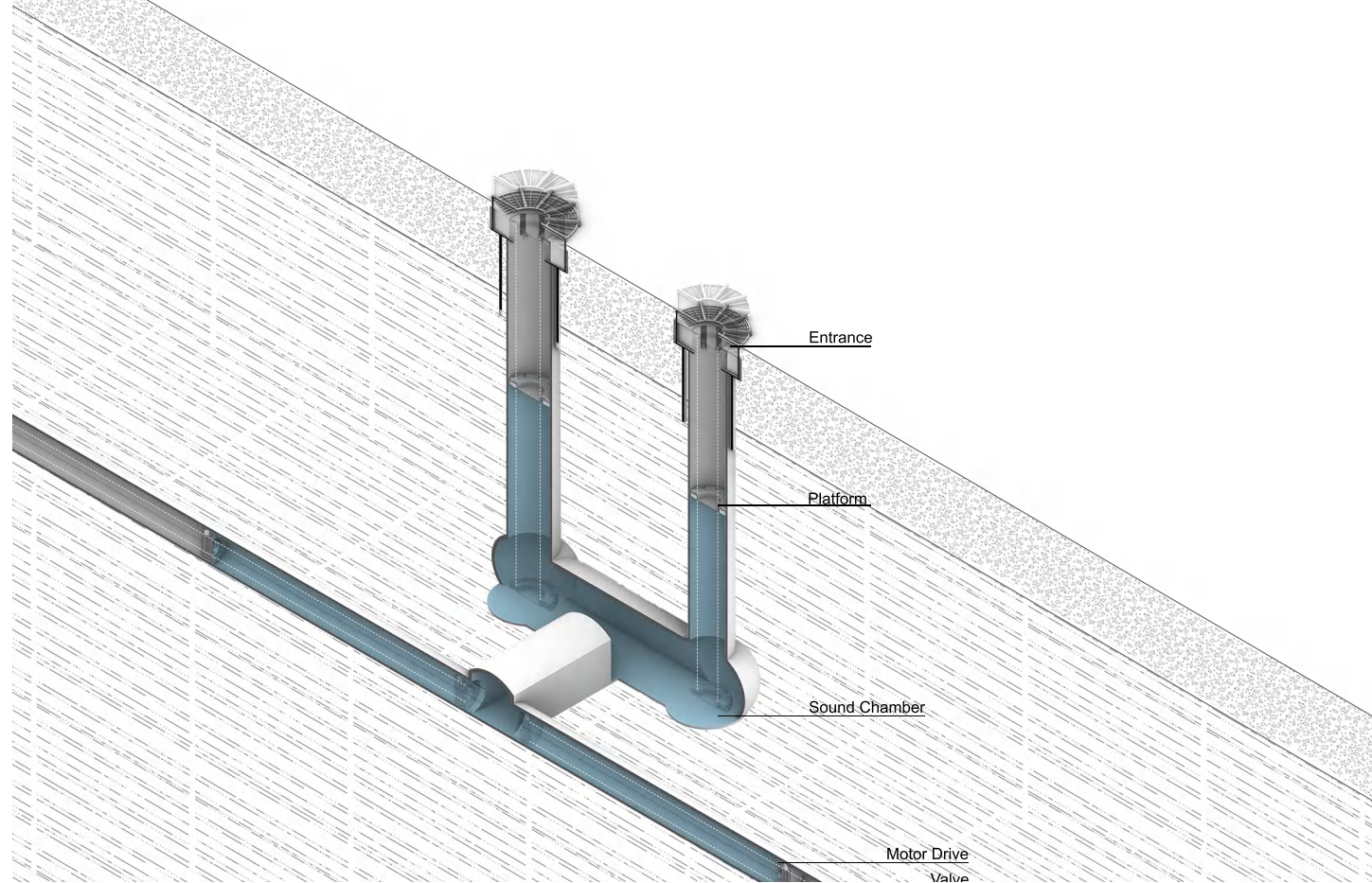


UNDERGROUND ENVIRONMENT





WORKING SYSTEM



ENTRANCE OF SHAFT

Cantilever

Glass

Floating Bed

Convex Lens

Entrance Step

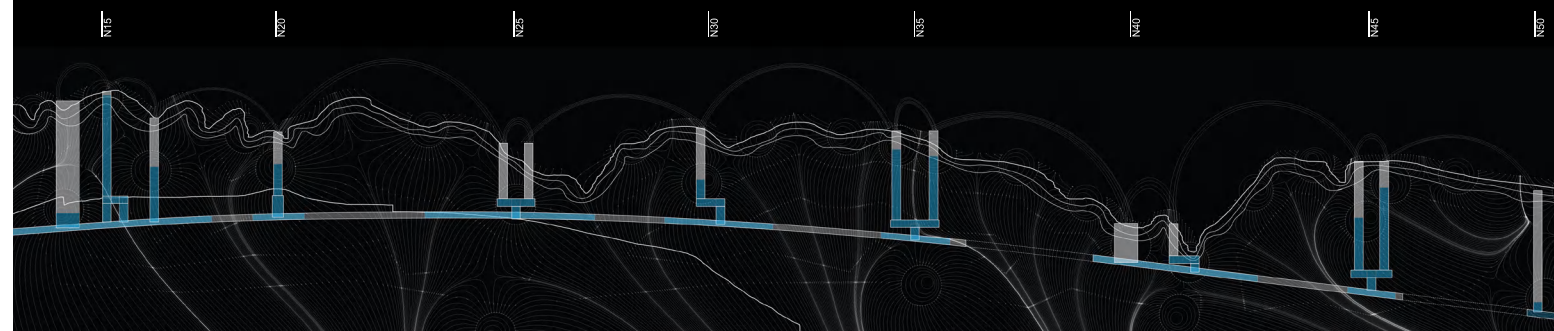
Floatation Block

Movement Chamber

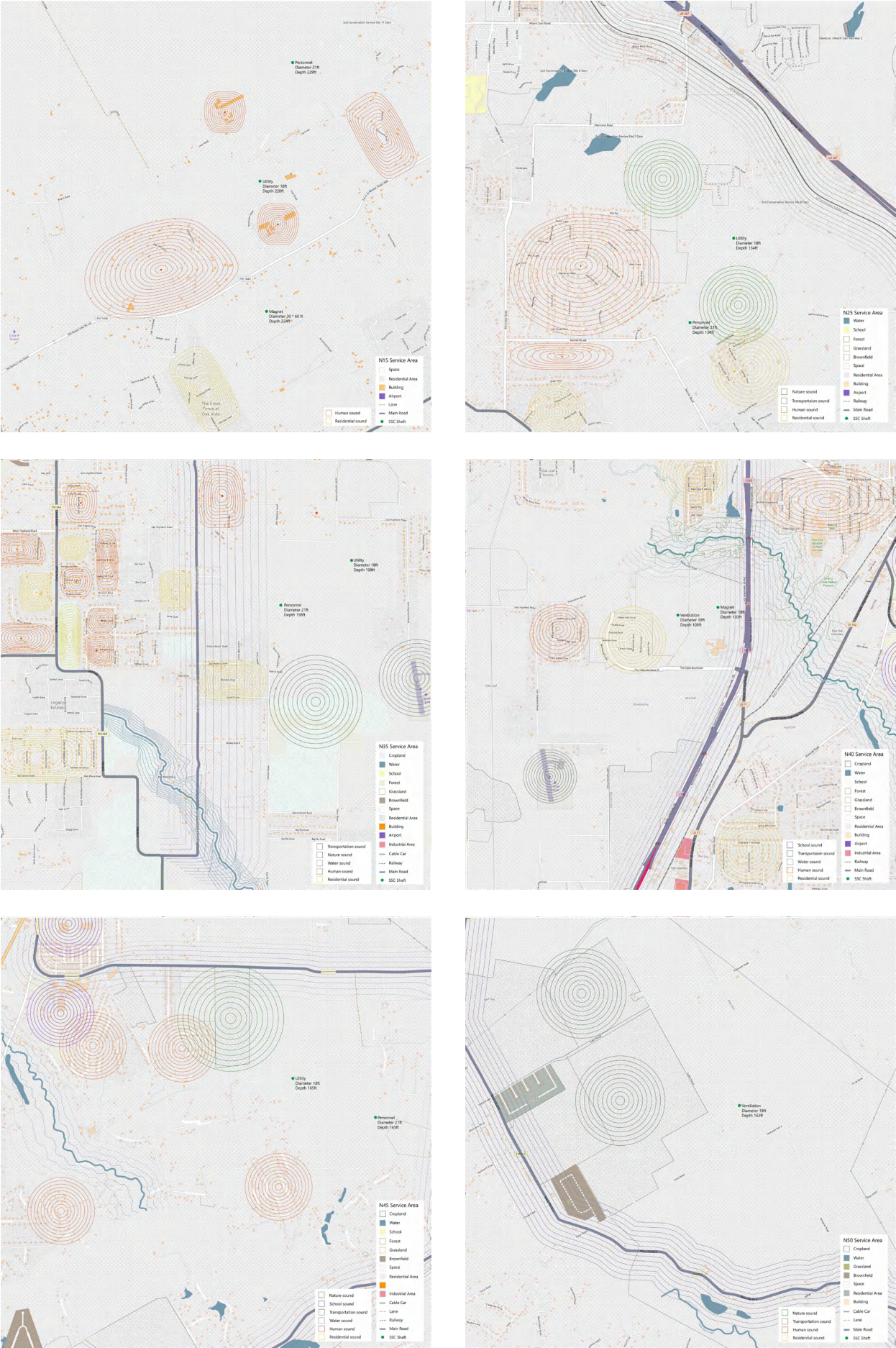
Positioning Bed

Air Cushion

SECTIONAL DIAGRAM

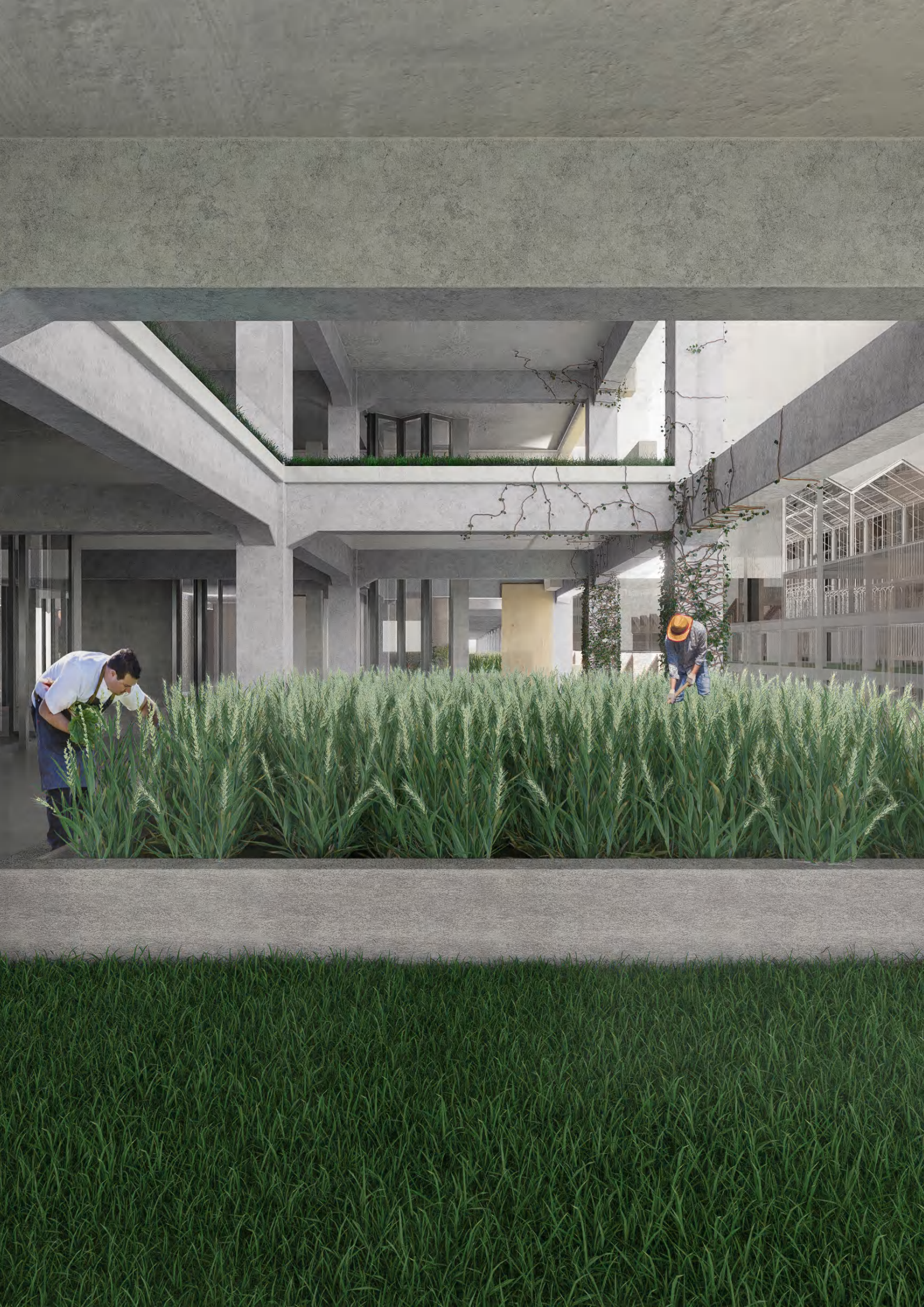


SOUND MAP



SOUND CHAMBER





03

Parque Recultivo

HOUSING AND BIODIVERSITY

Group Work

Partner: Haoyu Wu, Qian Chen

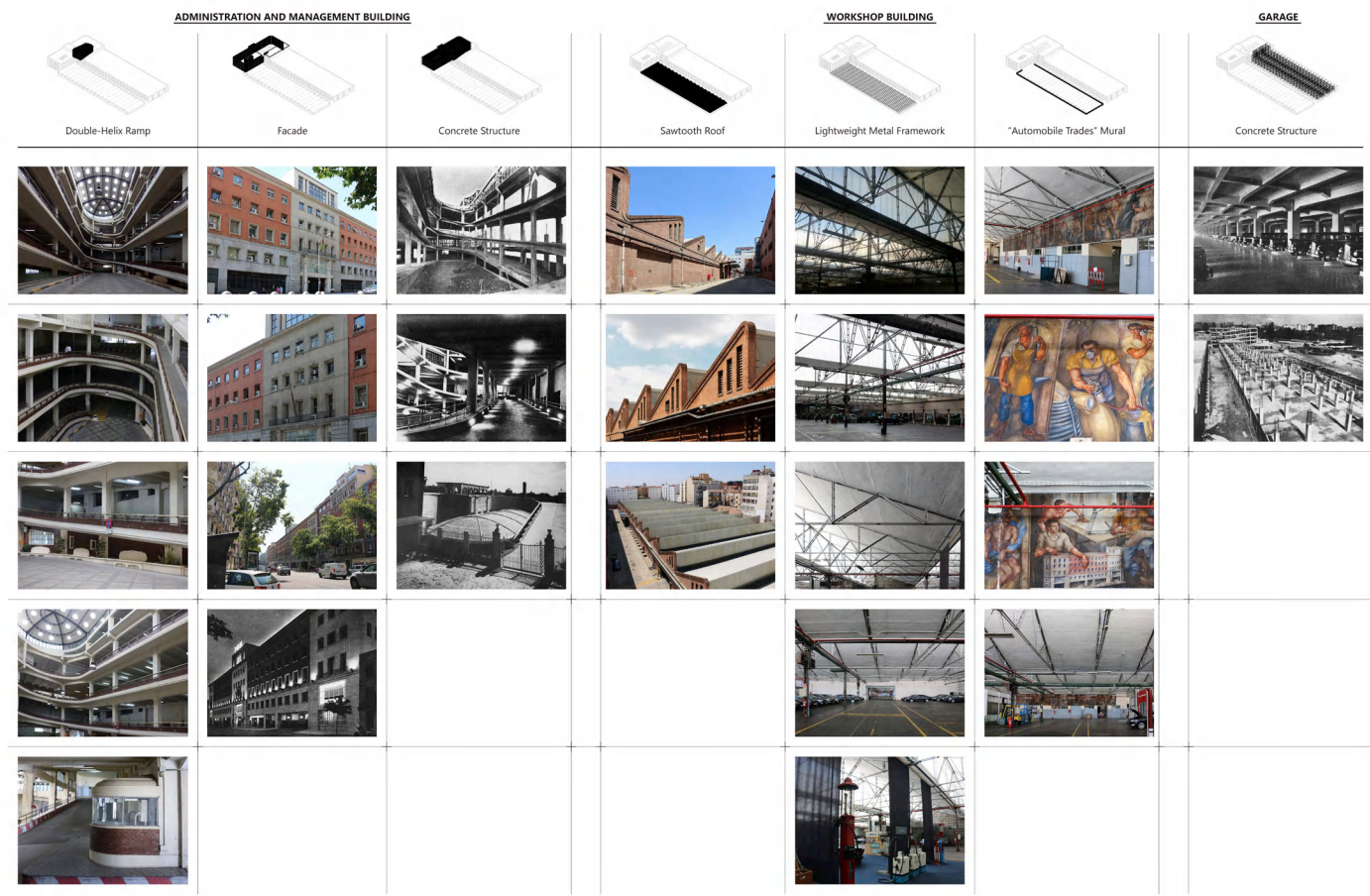
Location: Madrid, Spain

Date of project: Spring 2025

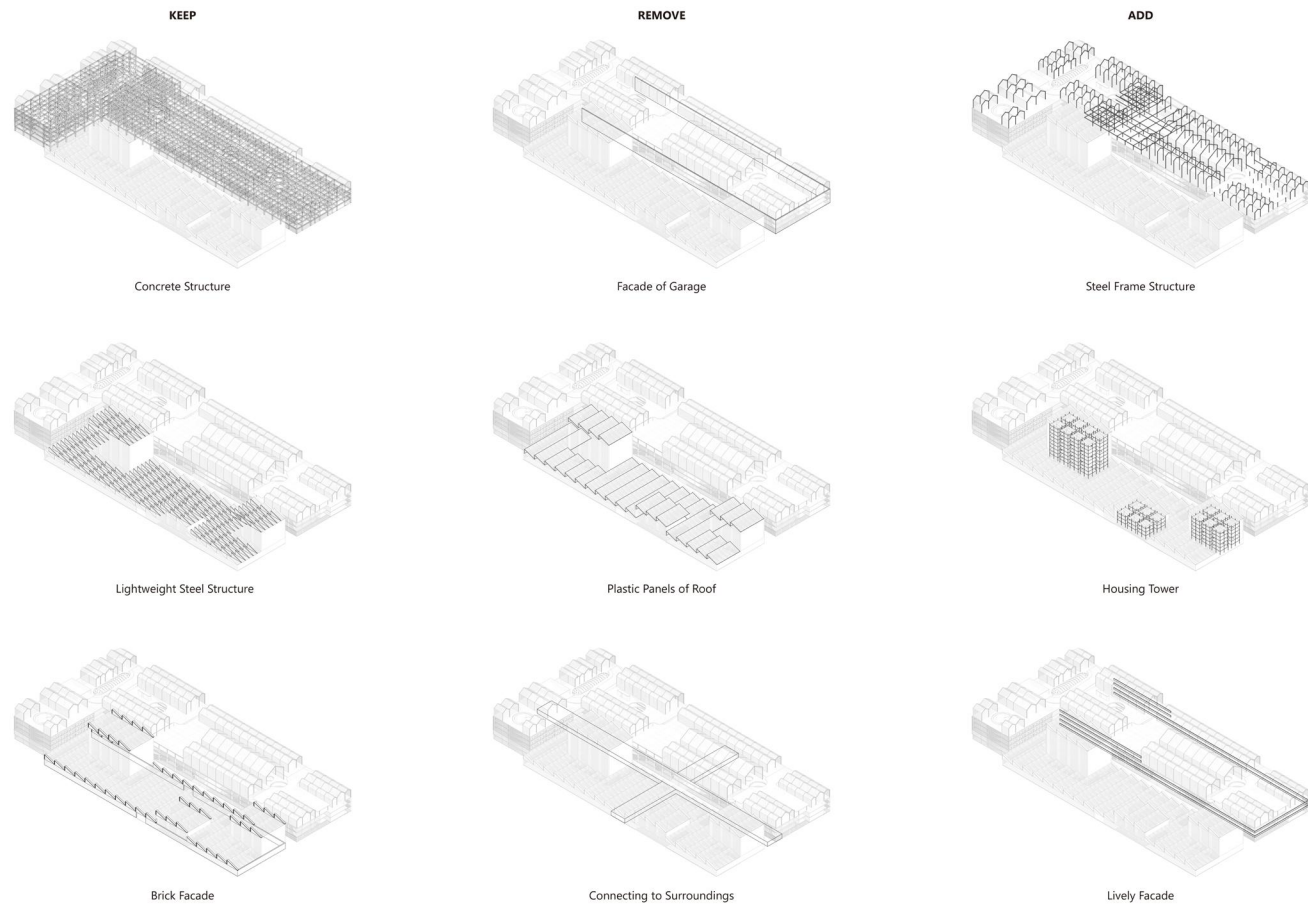
Instructor: Juan Herreros, Oscar Caballero

Once built to over serve 3,000 cars under the logic of control and circulation, the Parque Móvil del Estado stood as a monument to industrial order and the authoritarian state. Today, those same "bones" become the foundation for something radically different: an open, adaptive, and living environment. Instead of erasing the past, the project chooses to keep, remove, and add - preserving the structural integrity, removing barriers to light and air, and introducing new layers of agricultural production, housing, and communal life. This is no longer a site of storage - it is a site of cultivation. A new ecosystem where food, people, and infrastructure coexist, where the industrial past becomes soil for ecological and social futures.

ORIGINAL BUILDING

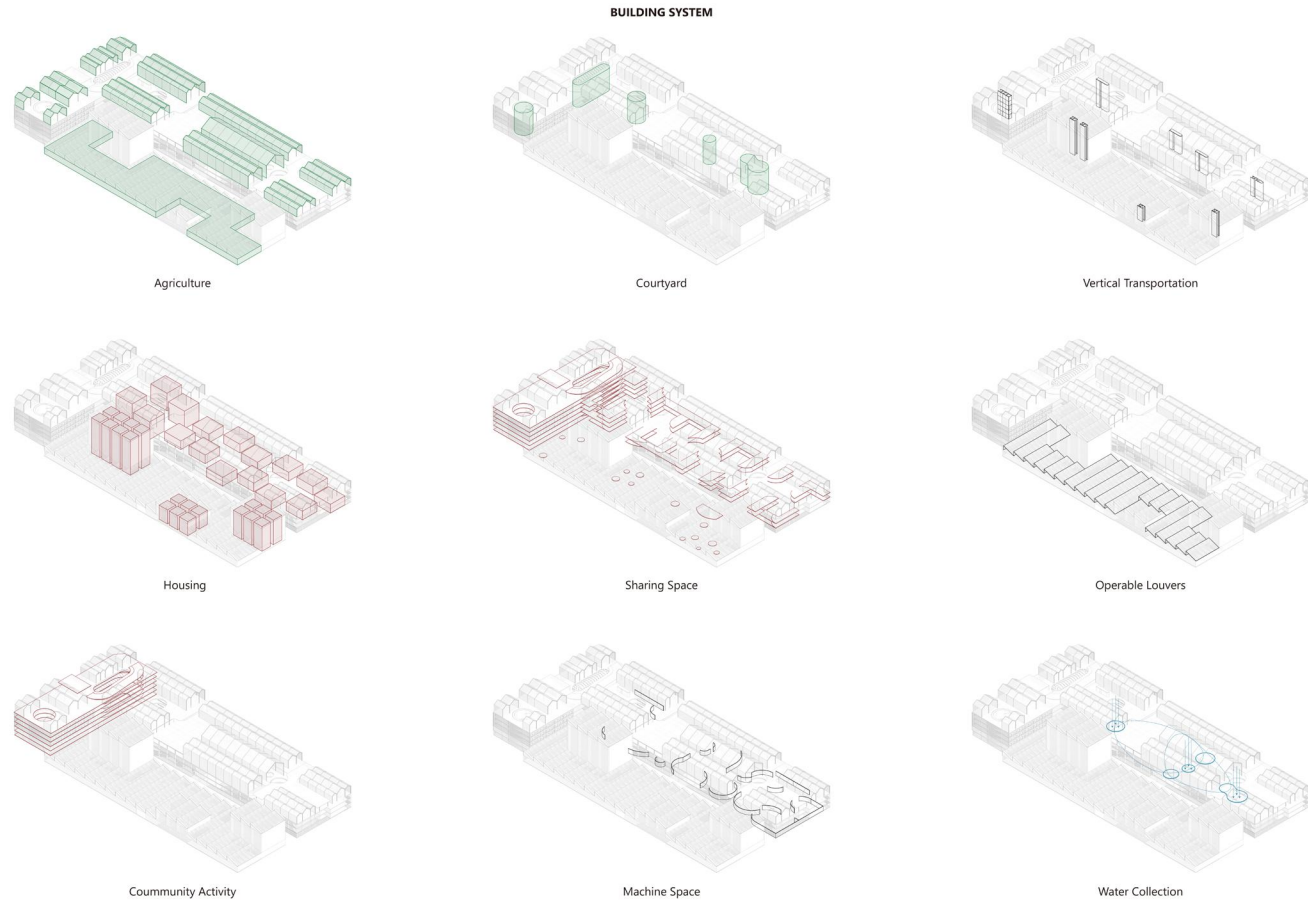


TRANSFORMATION STRATEGY



SITE ANALYSIS

Parque Móvil is located in a dense urban environment, surrounded by residential buildings. It can be divided into three volumes. These three parts have completely different structures: the administration and management building feature a massive double-helix ramp, the workshop has a lightweight steel framework, and the garage utilizes a traditional reinforced concrete structure.



FIRST FLOOR PLAN



PLANT TYPE	FACILITY	TYPICAL SPECIES	LIGHT REQUIREMENT
Field Crops		Wheat, Sunflower, Corn	Full Sun
Fruit Trees		Fig, Olive, Lemon	
Climbing Plants		Bean, Grape, Cucumber	
Trellis Plants		Tomato, Eggplant, Pepper	Half Sun
Root Plants		Onion, Garlic, Carrot	
Bed / Containers		Strawberry, Lettuce, Mint	
Hydroponics		Iceberg, Butter Lettuce, Lollo Rosso	Diffuse Light



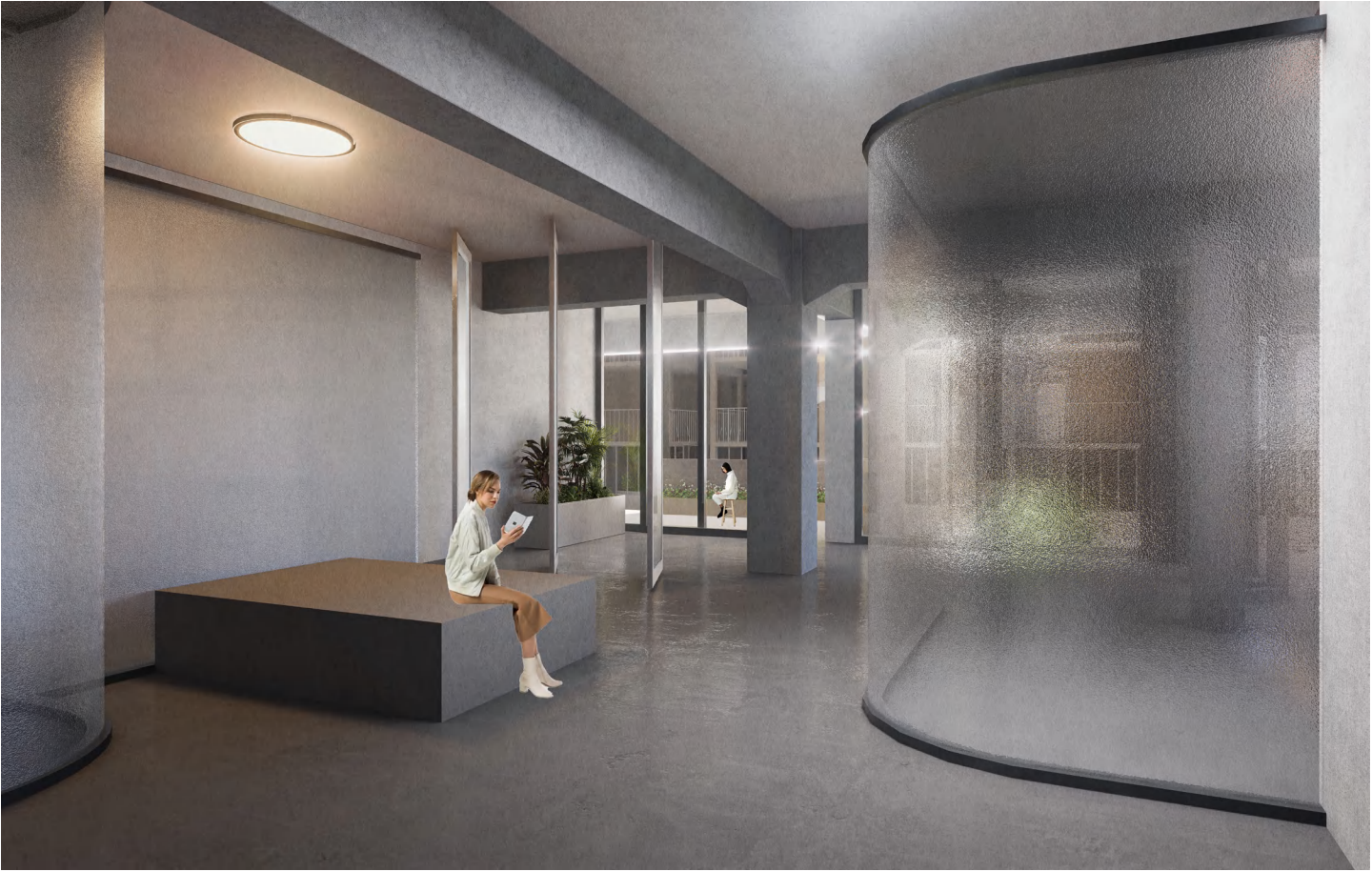
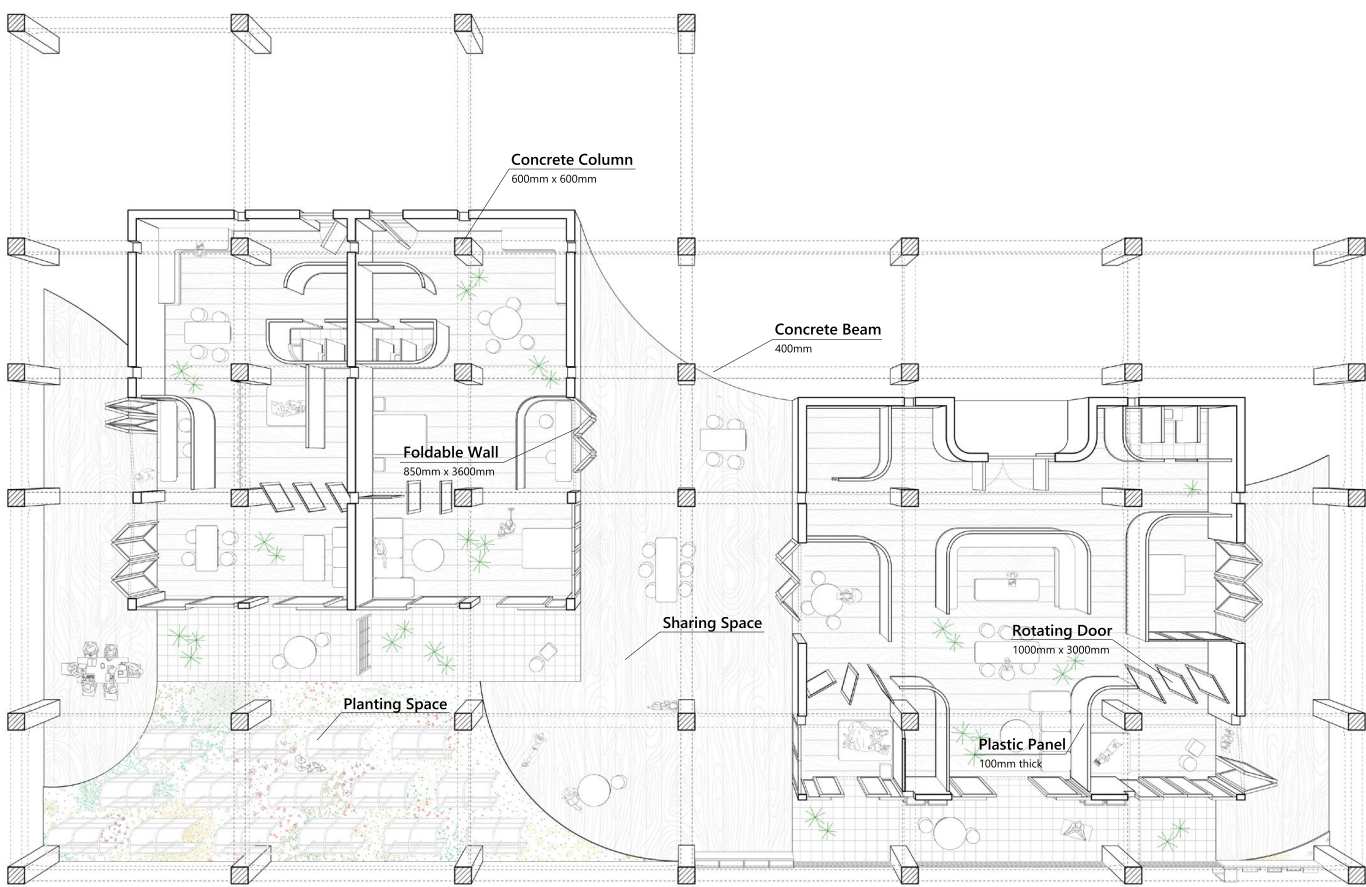
SECTION (WORKSHOP + GARAGE)



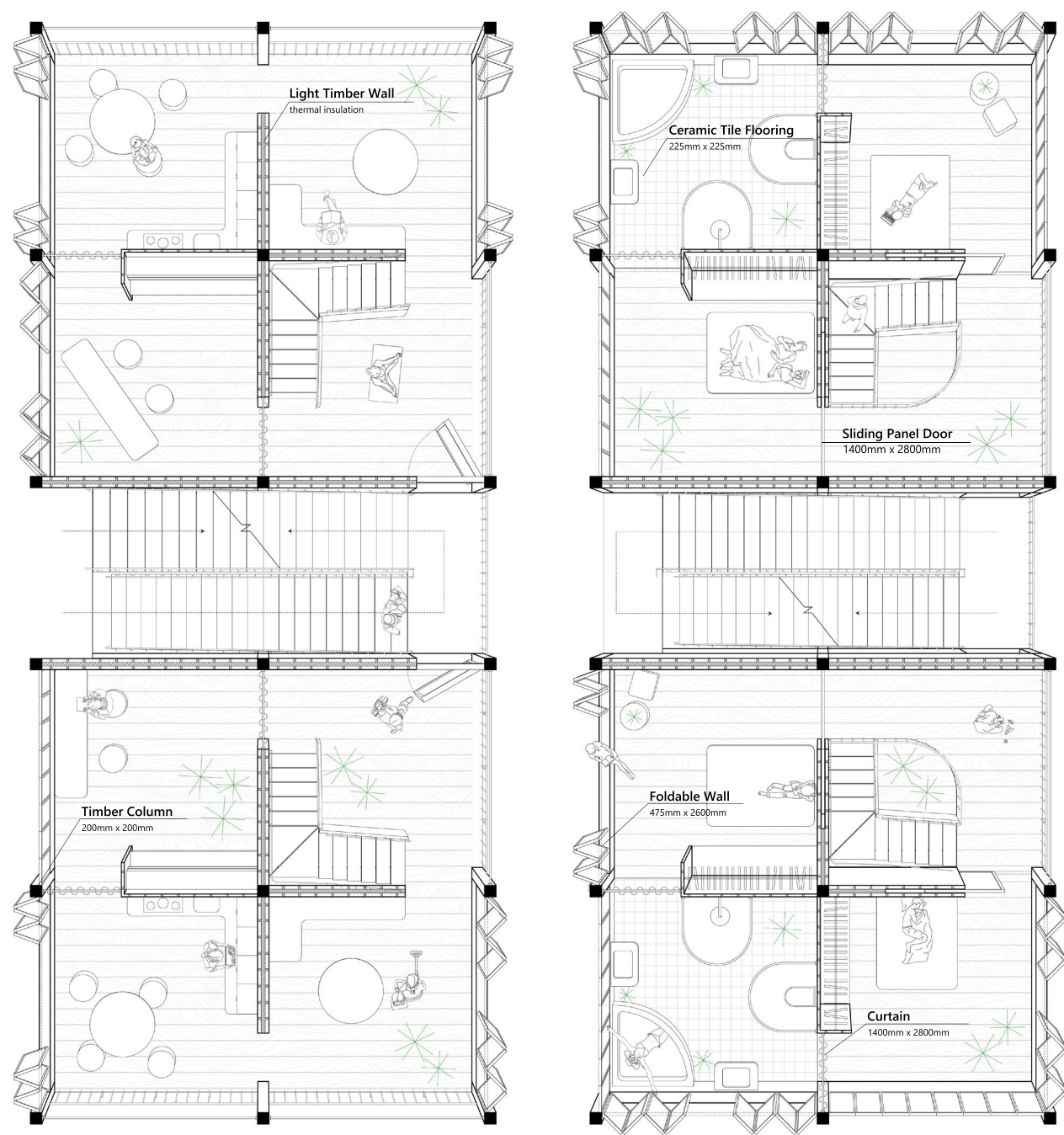
SECOND FLOOR PLAN



UNIT OF GARAGE



UNIT OF WORKSHOP



SECTION (ADMINISTRATION + GARAGE)

