

PORTFOLIO

Ningyuan Deng

UNI:nd2669

Selected Works at GSAPP
2021-2022

M.S.AAD, Columbia University, USA

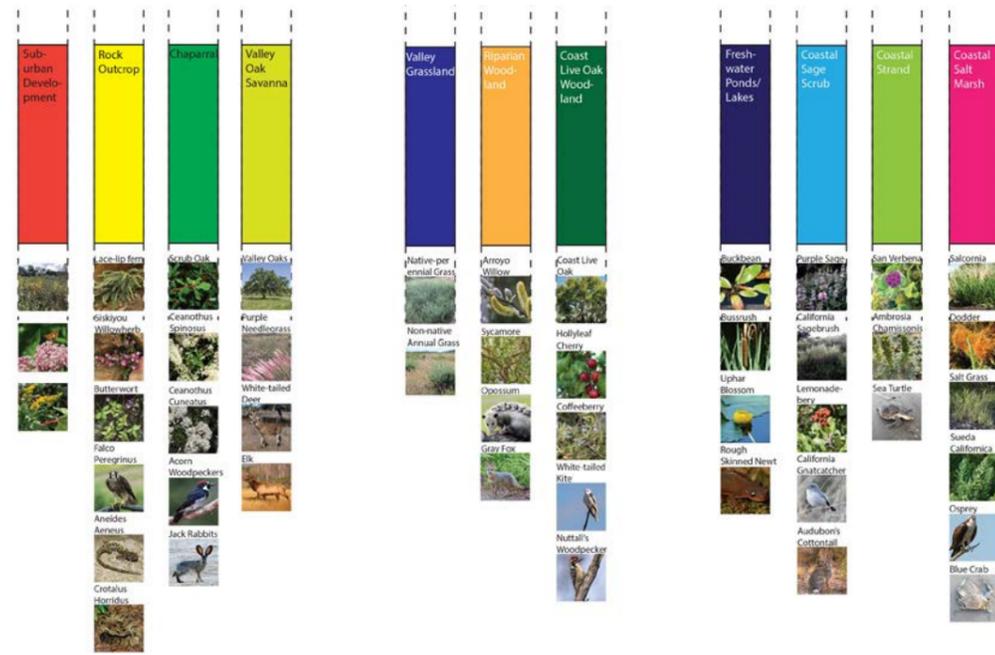
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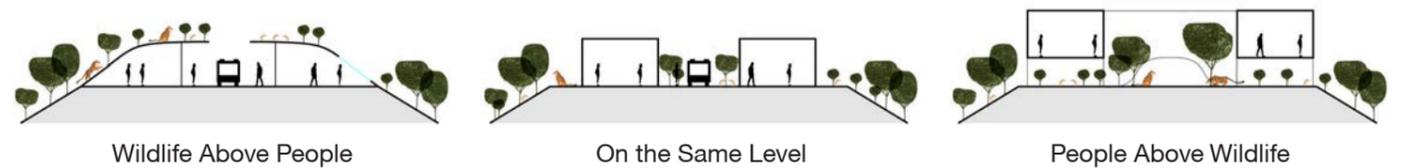
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Master Plan



Wildlife Diagram



We are also thinking about wildlife through sections. We explored the relationships between animals and human beings and propose three architecture prototypes. The first one is wildlife living above people. The architecture is more like earth-covered building. The second one is that human beings and wildlife exist on the same level. People mainly have activities in architecture, and animals mainly live outside of buildings. The third one is people above wildlife. Architecture not only provides space to human, but also offers shelters and passages to animals.

Three Relationships Between Animals and Human Beings

[Wildlife Think Tank]

-Design a Think Tank on a Hill in Los Angeles

ADVANCED STUDIO VI: Architecting: A Think Tank in Los Angeles

Site: Los Angeles, California, United States

Collaborator: Jialu Deng

Contribution: Concept 60%, Modeling 50%, Drawing 50%

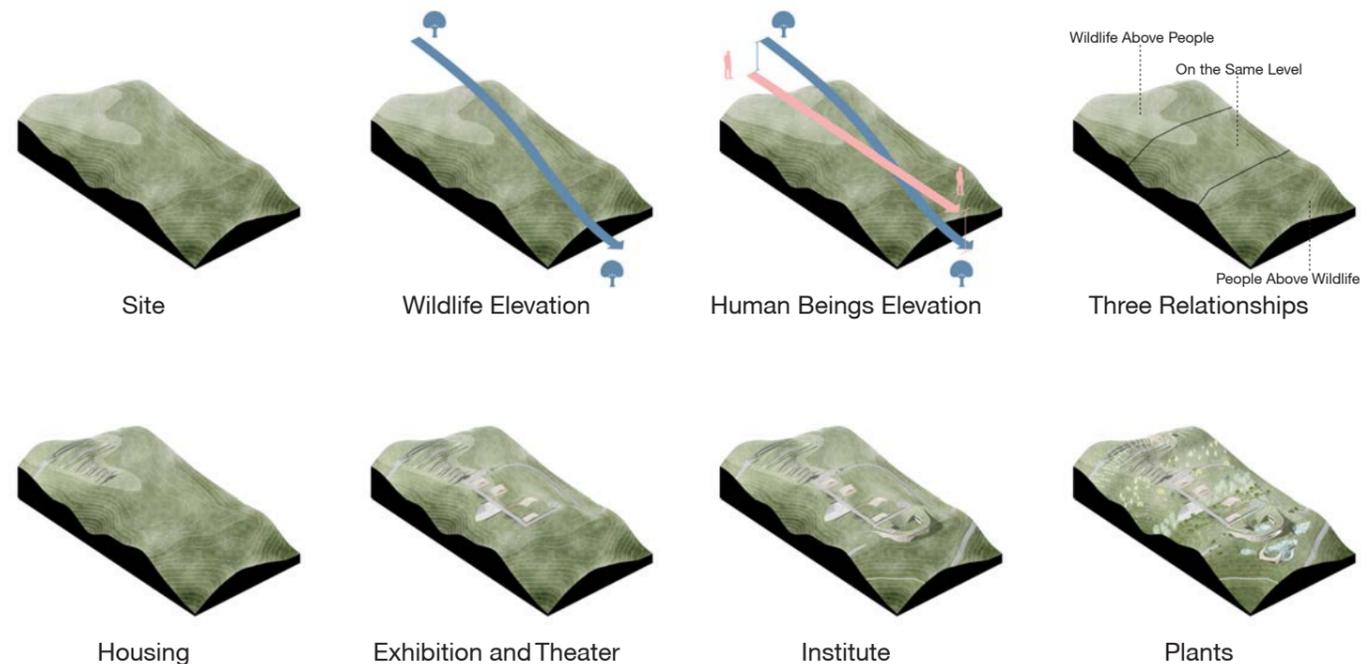
Instructor: Galia Solomonoff

March 2022 - April 2021



Our site is in the boundary of Santa Monica Mountains, near 405 corridor. It's covered by hundreds of local plant and animal species. However, these wildlives are in danger because of urbanism, natural disaster and climate change. Therefore, we decide to **design a wildlife think tank for Santa Monica Mountains.**

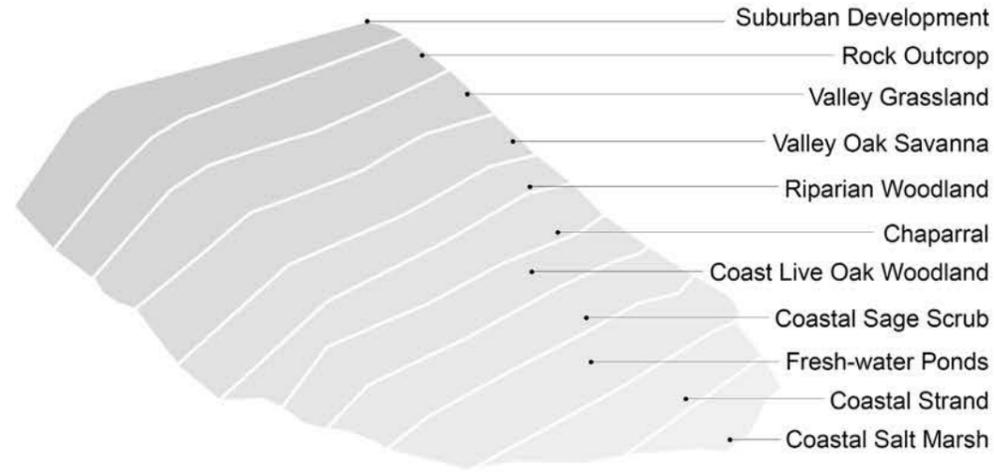
Wildlife in Santa Monica Mountains



Massing Diagram

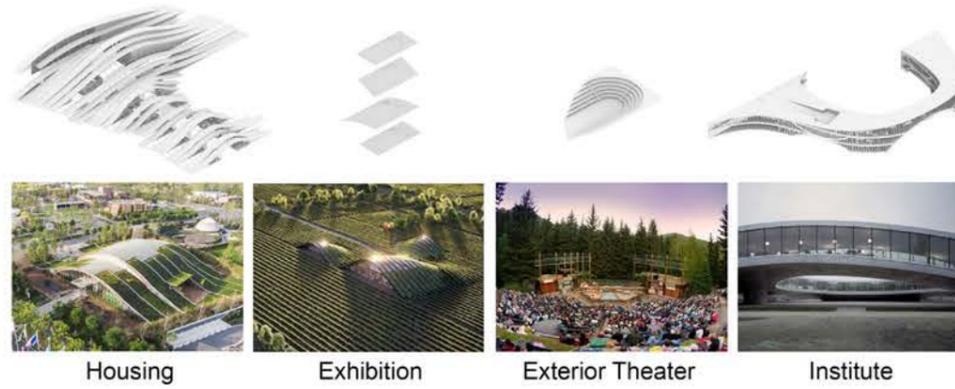
Landscape

In order to exhibit all types of plants in Santa Monica Mountains, we create eleven different environments for different plants. In this way, visitors can enjoy all kinds of landscape in this area as they go through the site.



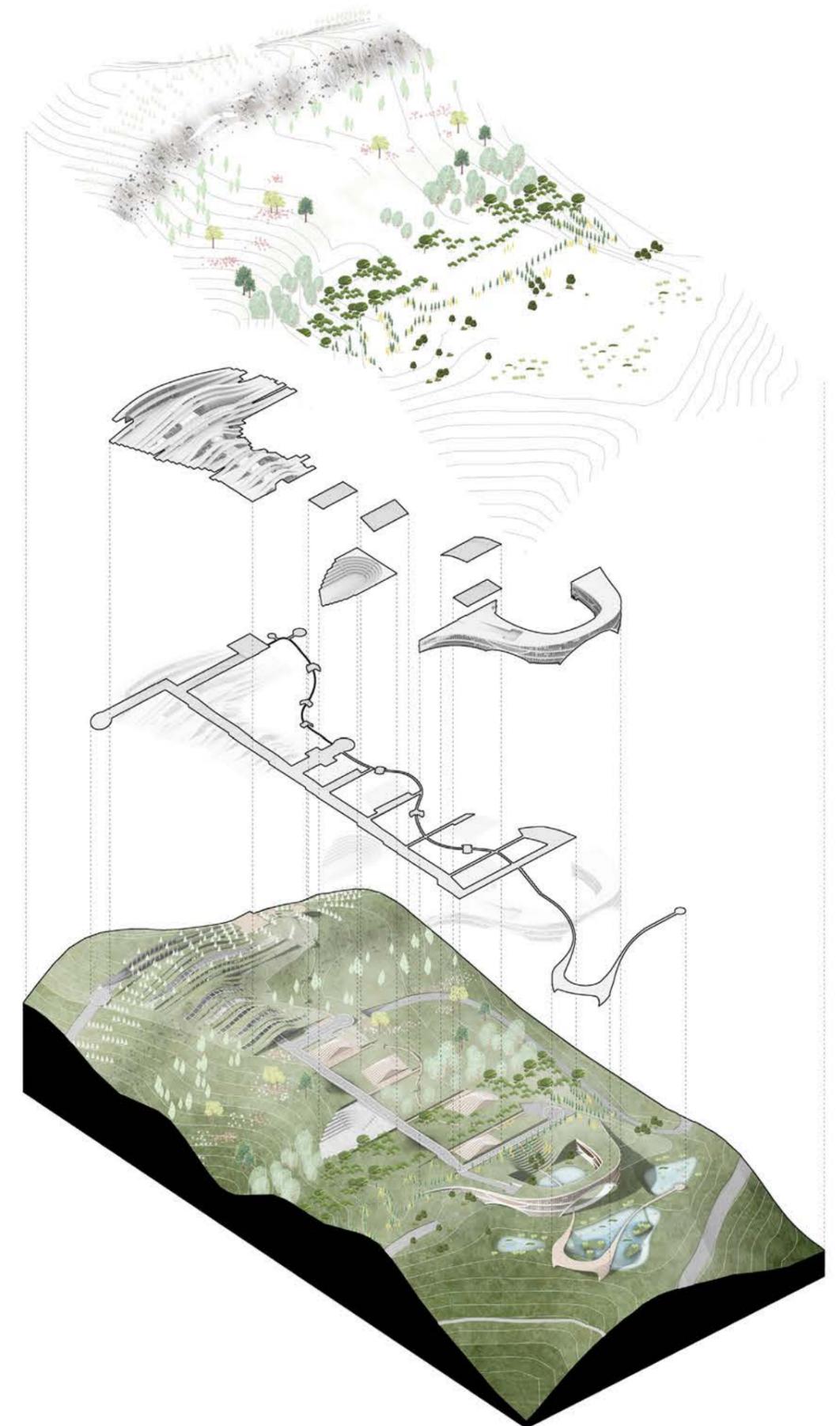
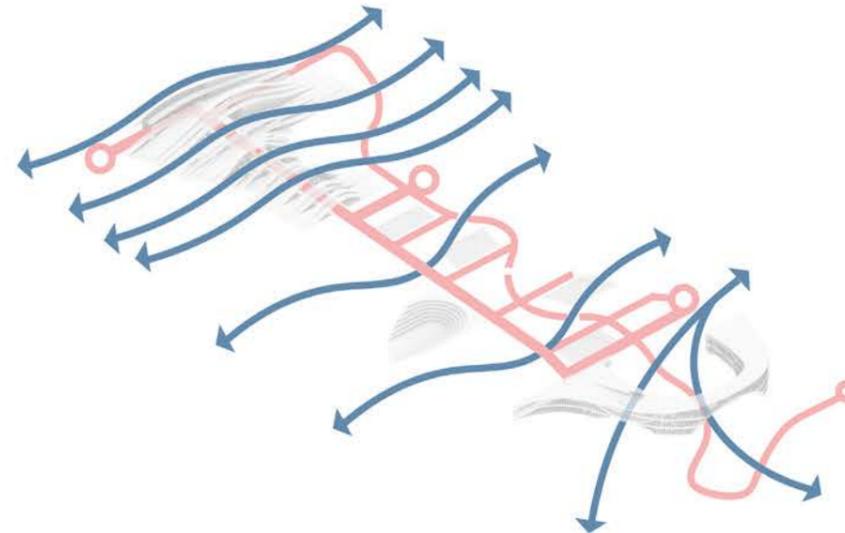
Architecture

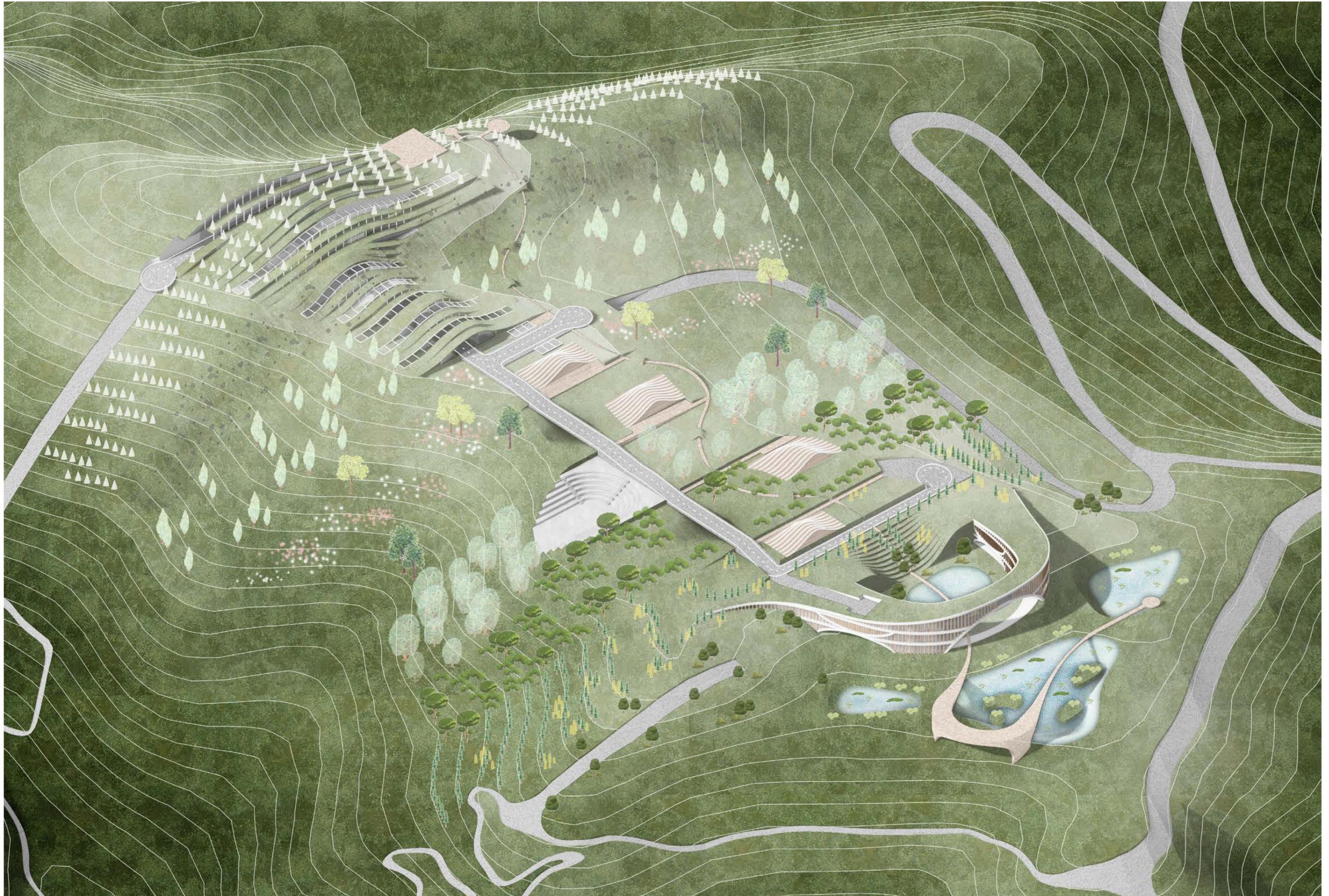
Along the long axis of the site, we set housing area, exhibition space, exterior theater and an institute in sequence. Different programs have different architecture prototype, which enriches the relationship between human beings and wildlife.

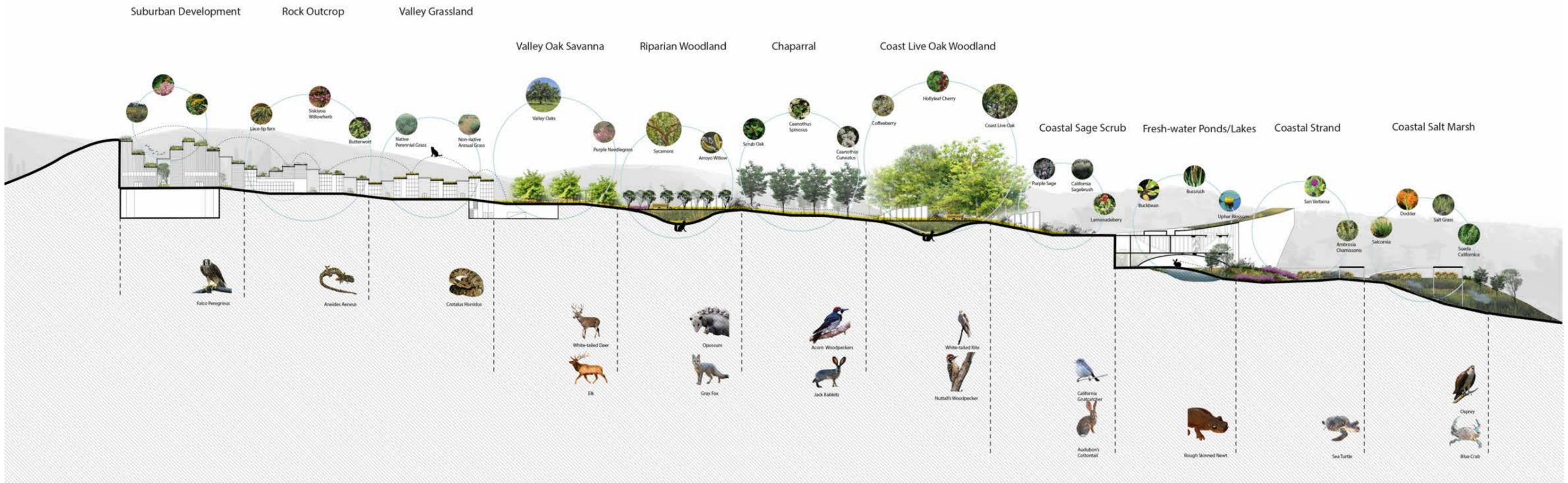


Circulation

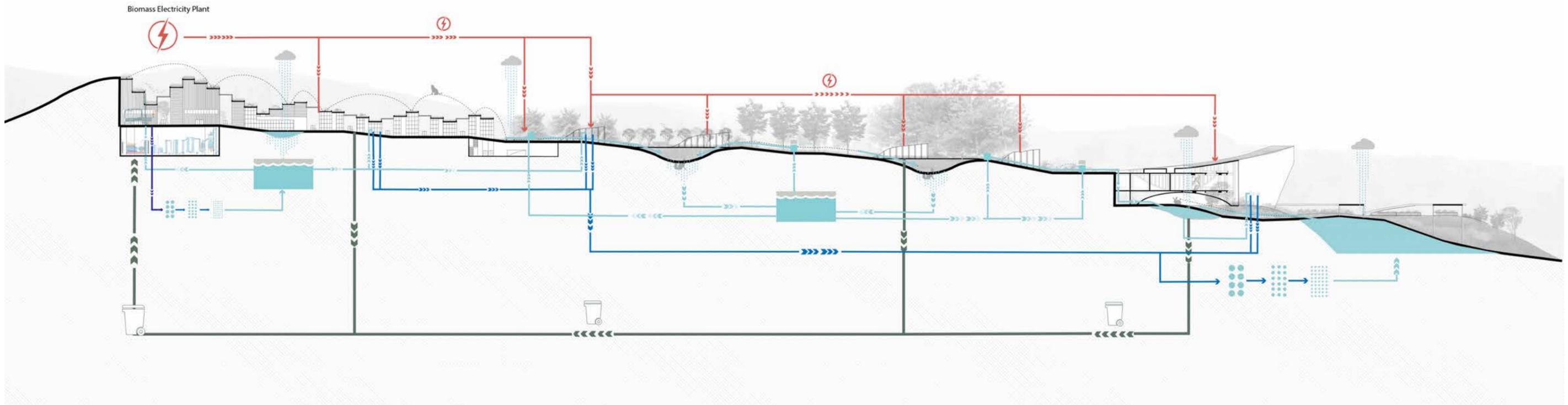
We are trying to create spaces for both human beings and animals. Therefore it's important to allow animals cross the site as well as human can have activities.



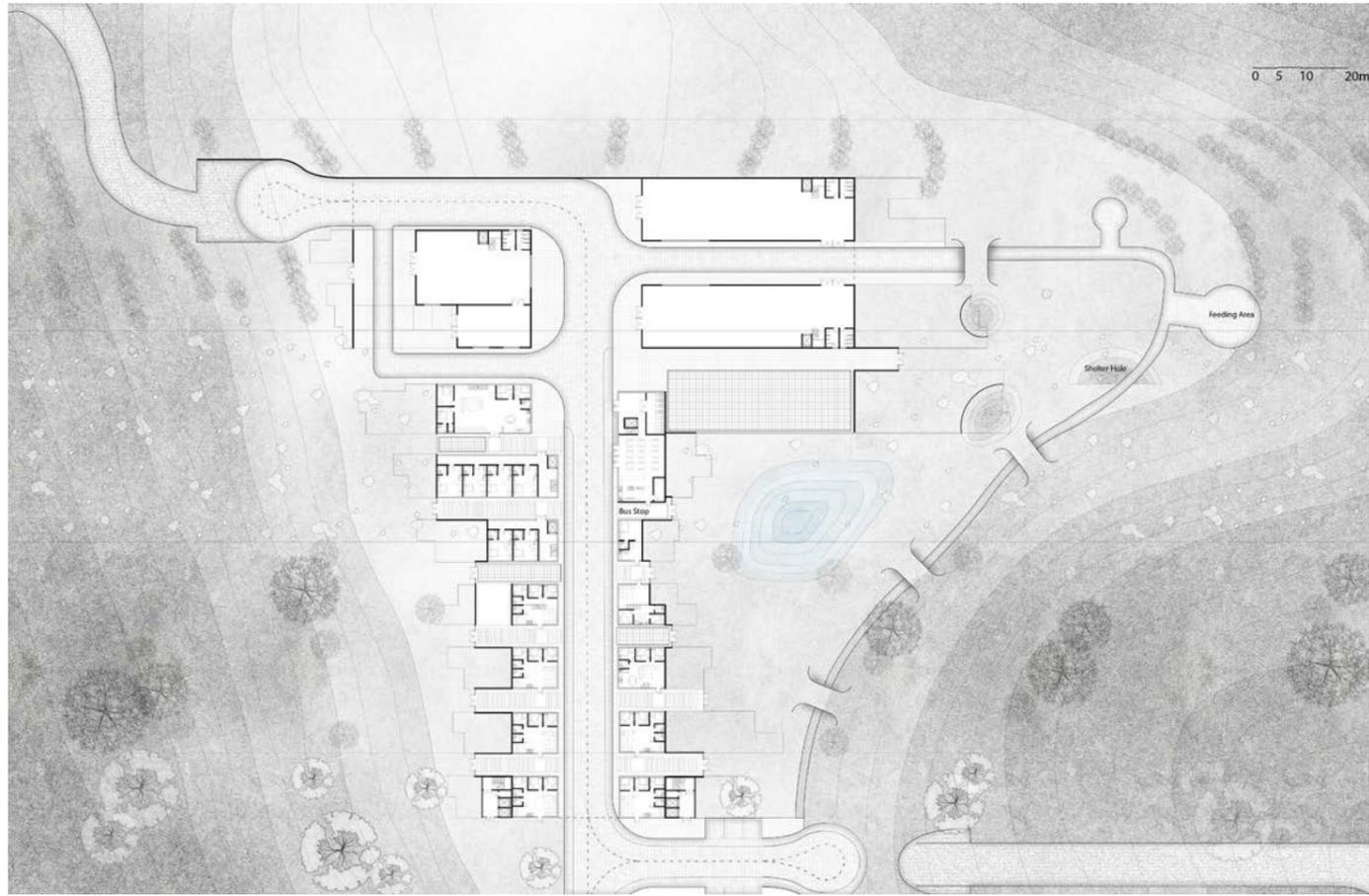




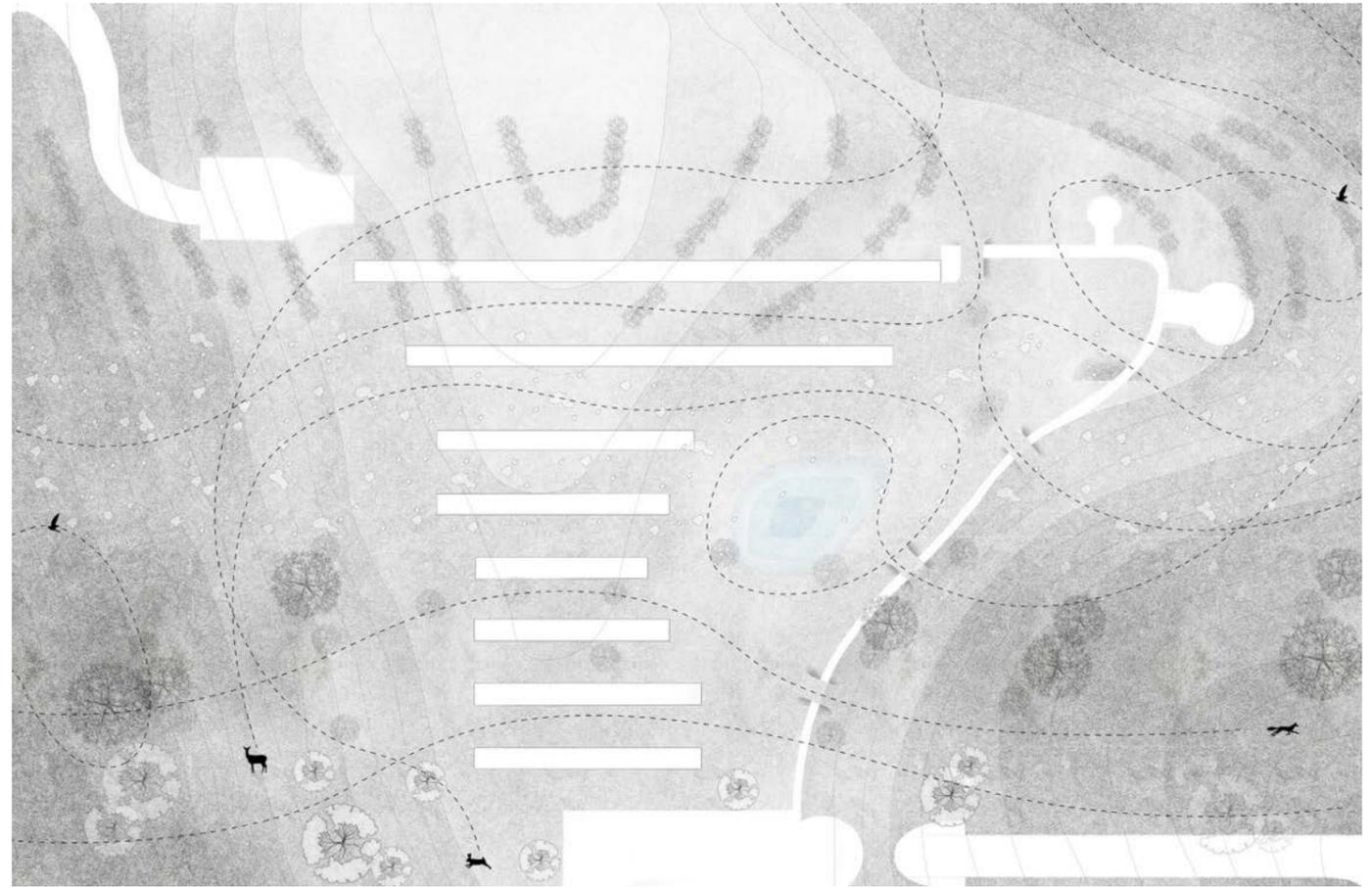
Long Section - Wildlife



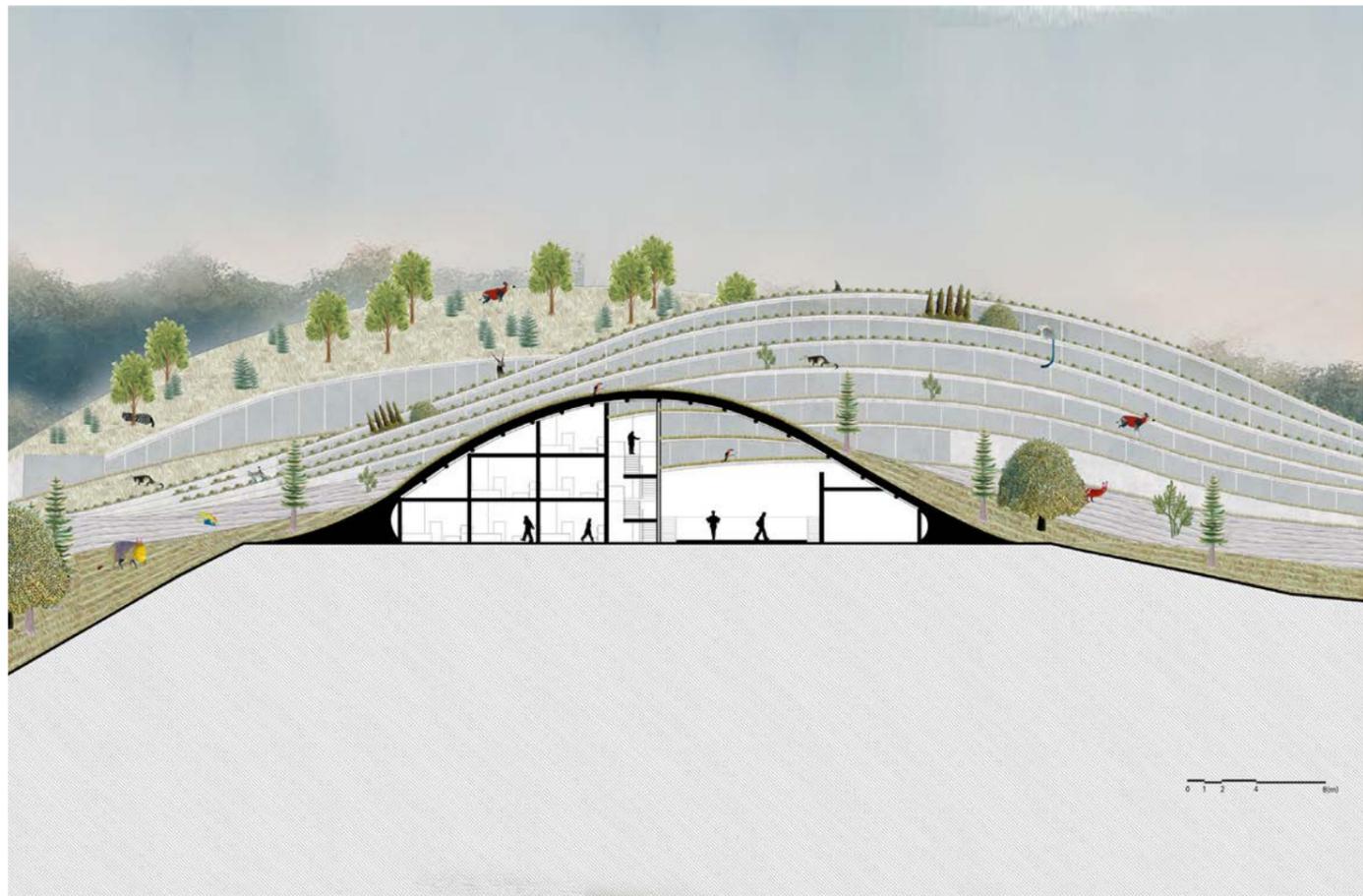
Long Section - Water & Biomass Energy



Housing Plan for Human



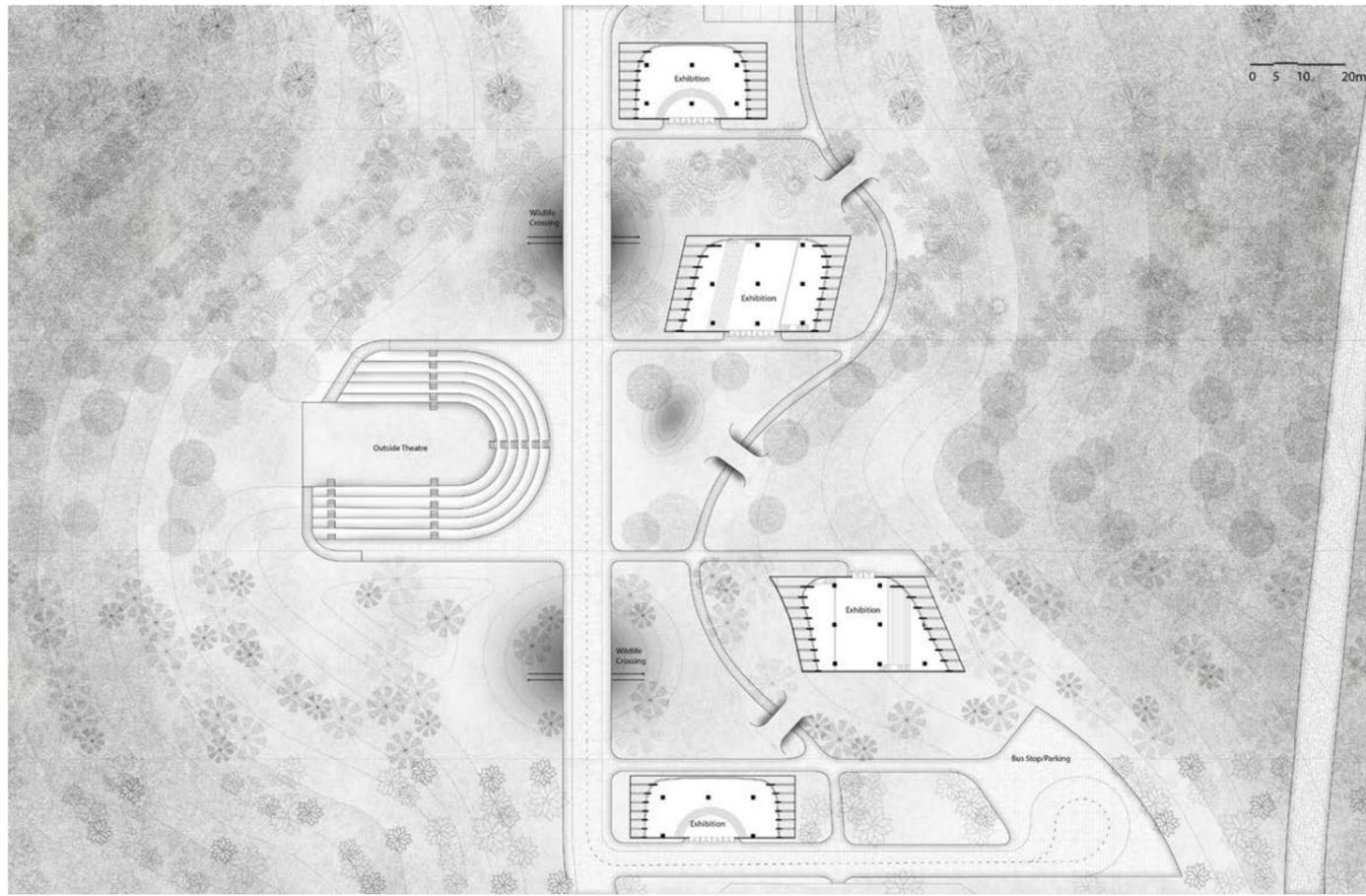
Housing Plan for Animals



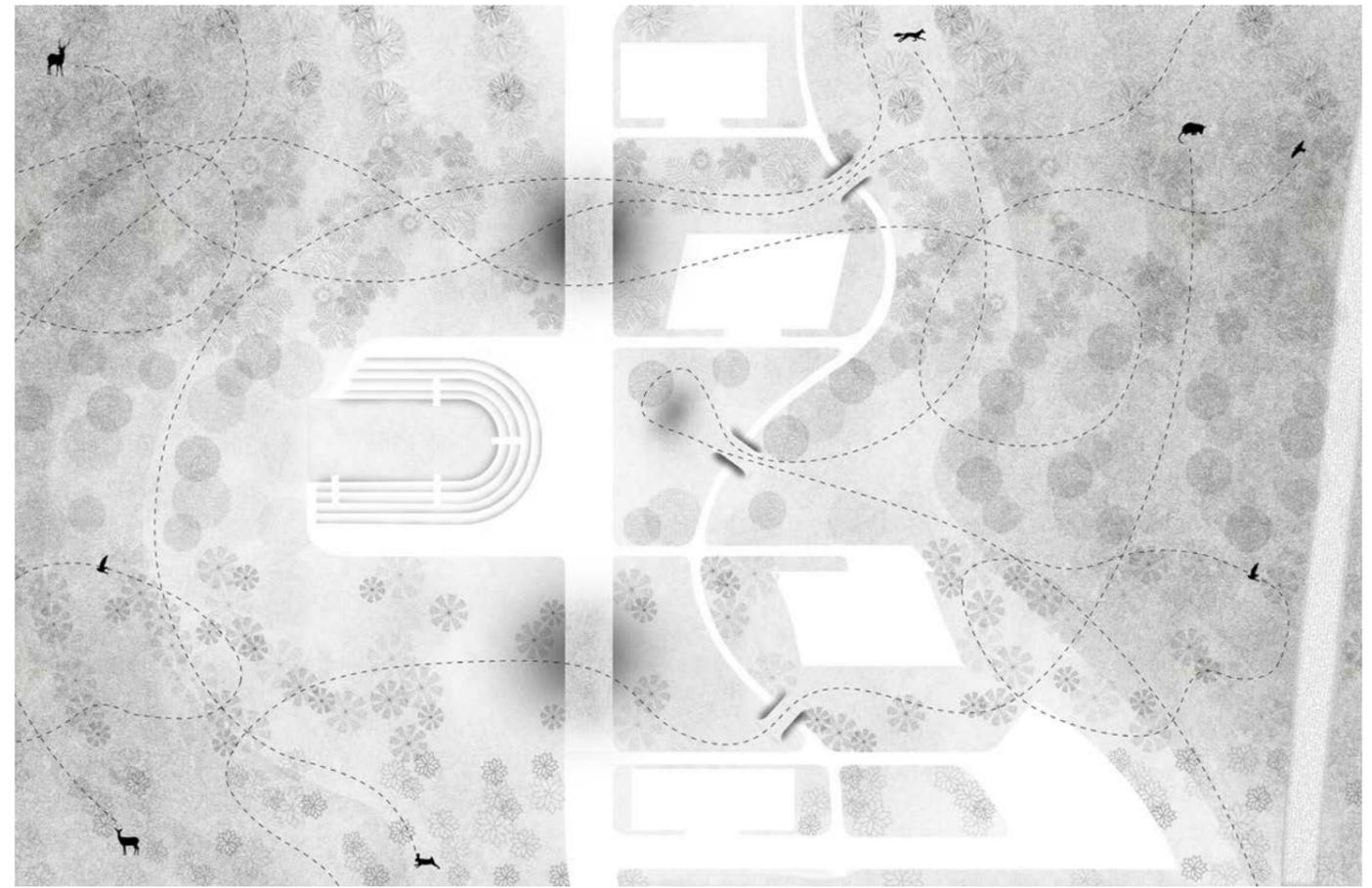
Housing Section



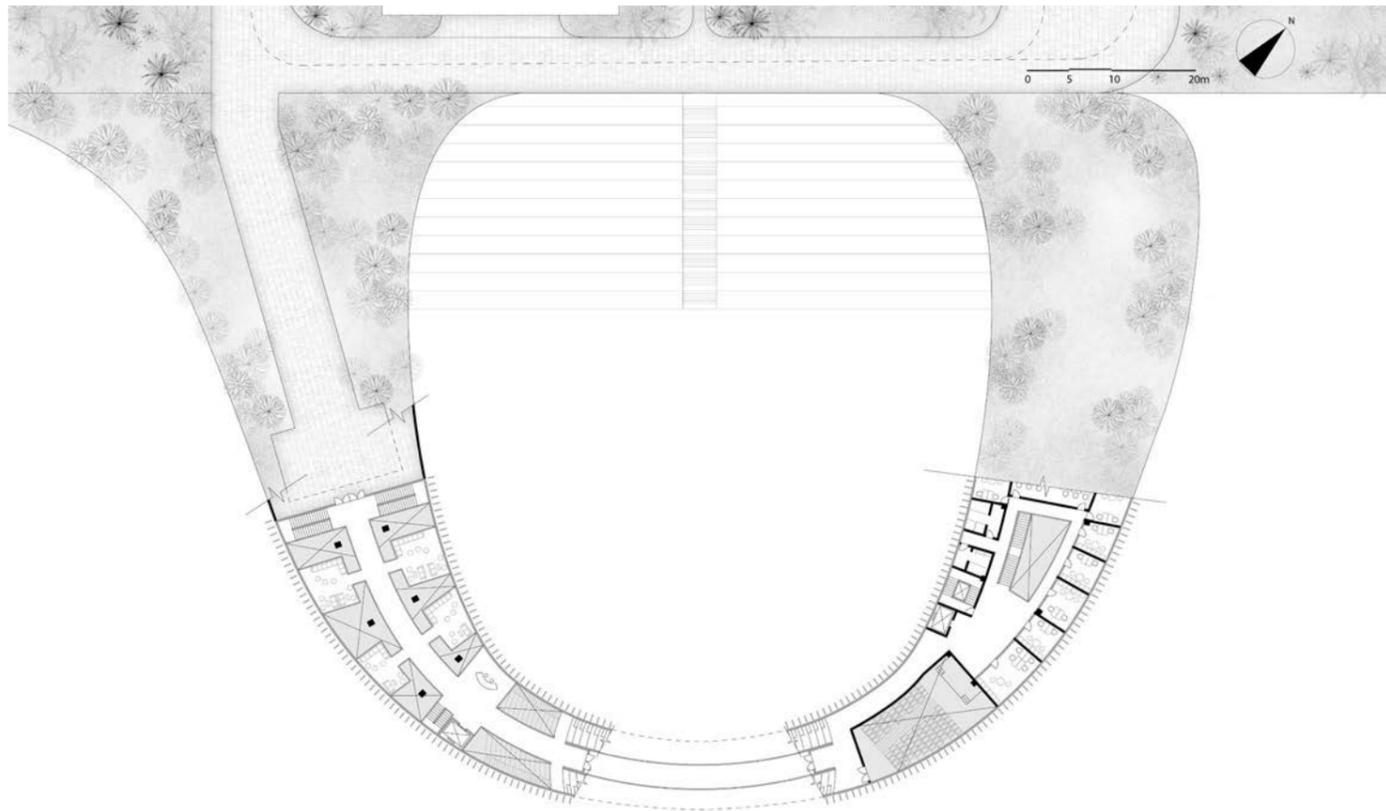
Housing Rendering



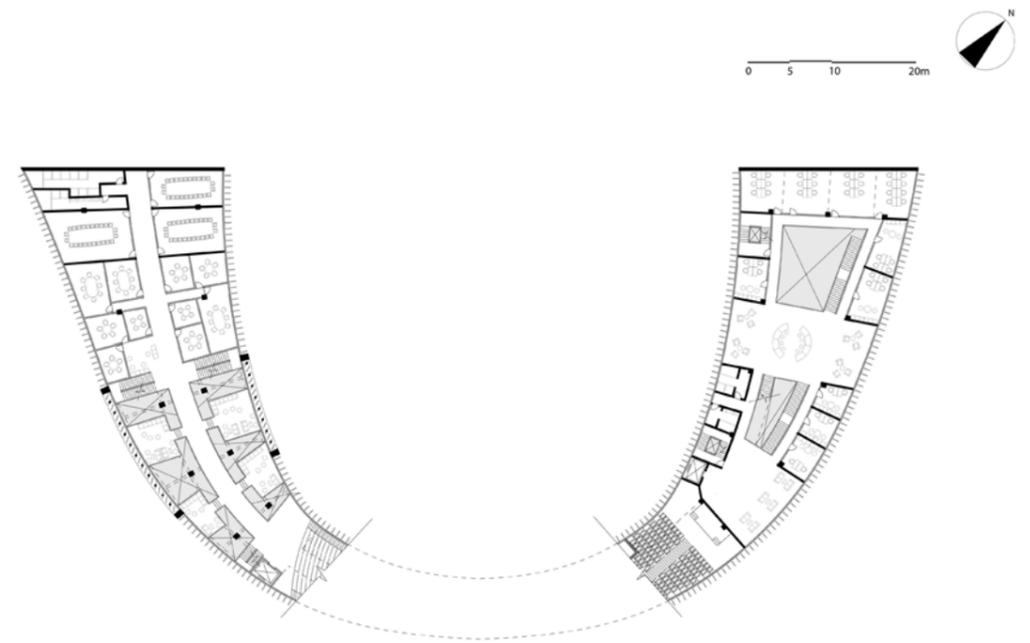
Exhibition Plan for Human



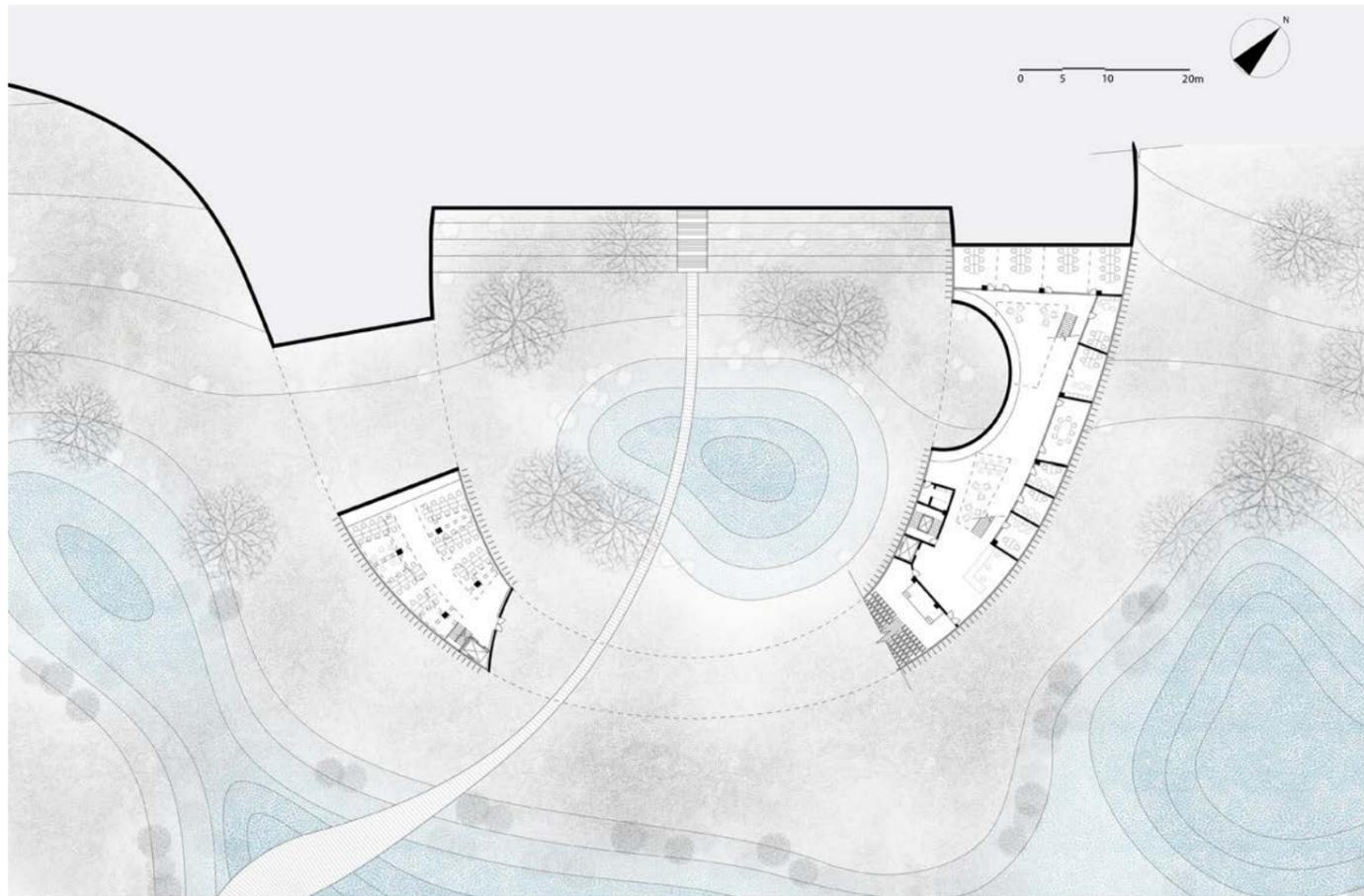
Exhibition Plan for Animals



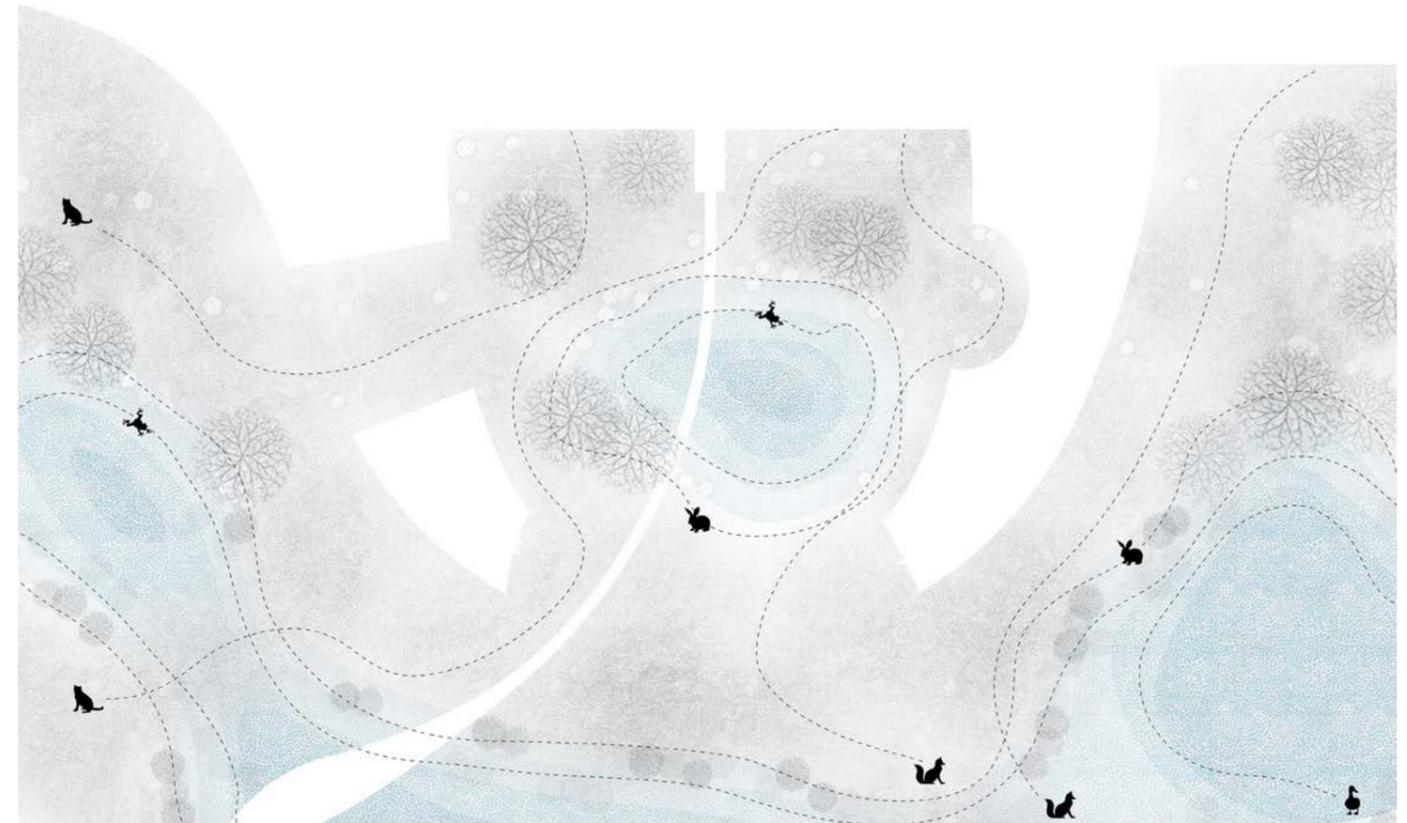
Institute 3F Plan



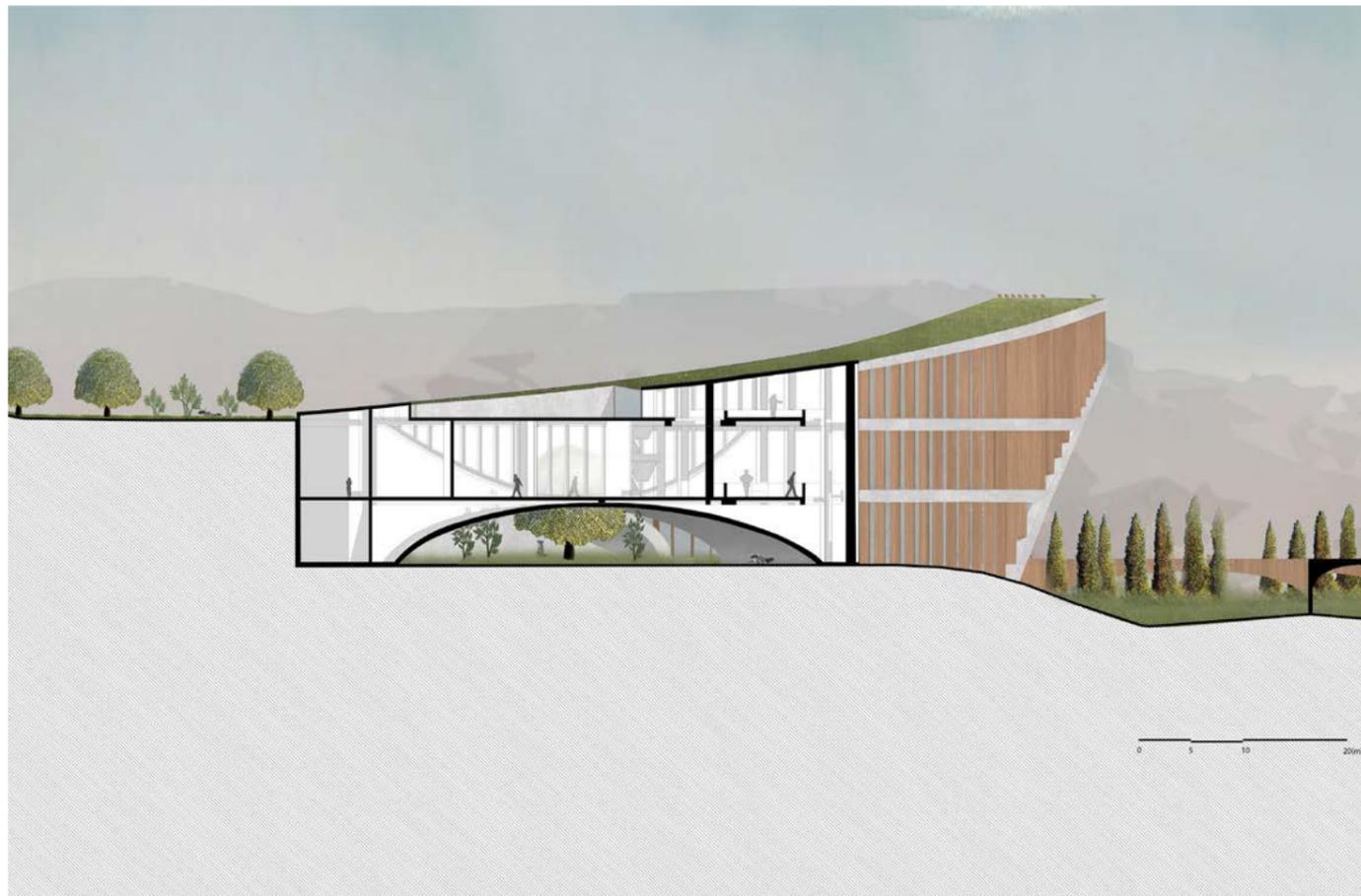
Institute 2F Plan



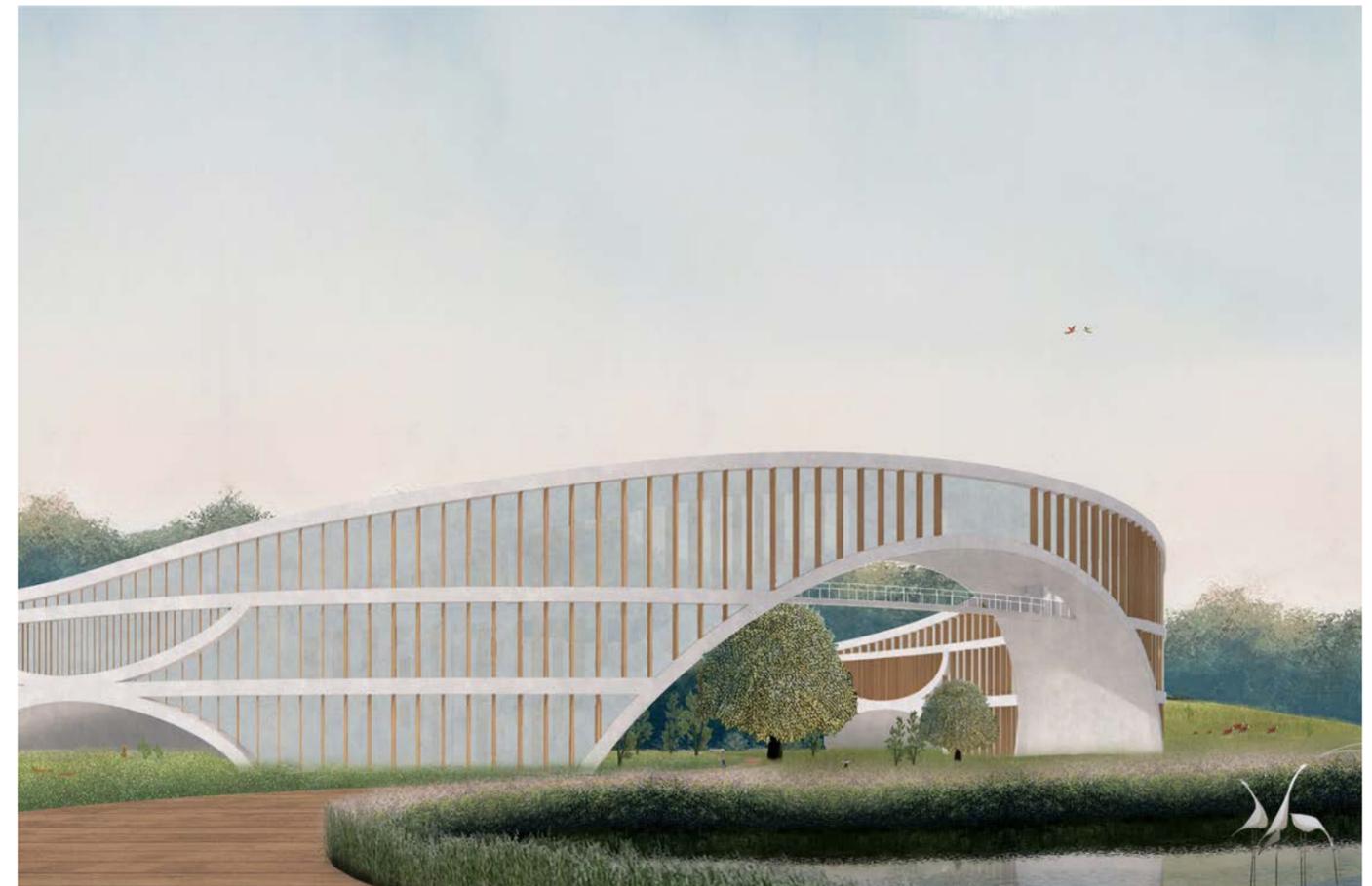
Institute 1F Plan for Human



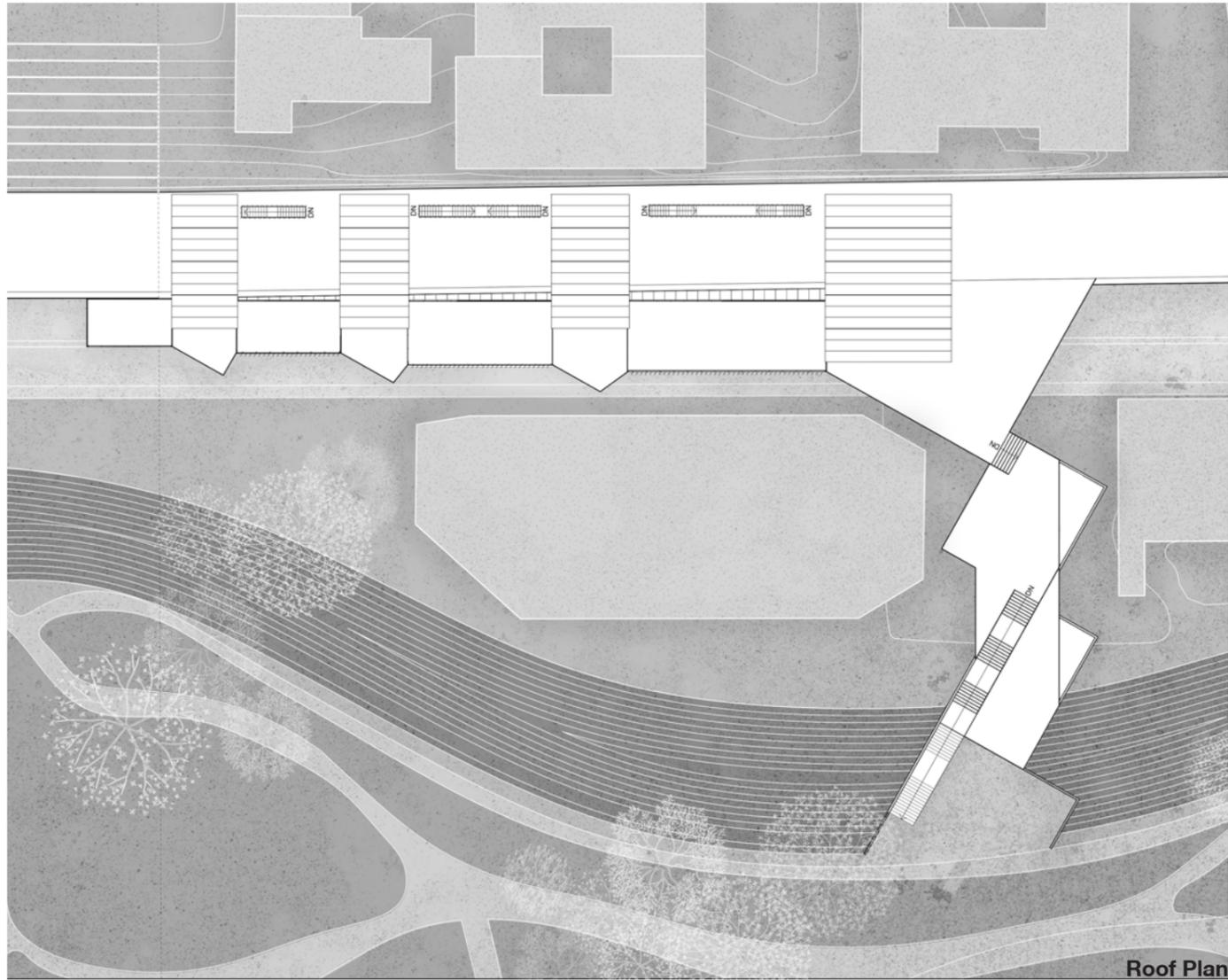
Institute 1F Plan for Animals



Institute Section



Institute Rendering



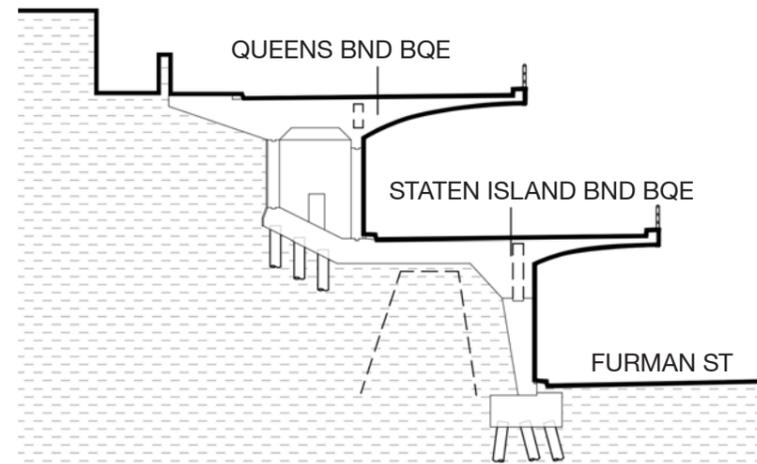
Roof Plan

“This historic legislation will: Repair and rebuild our roads and bridges with a focus on climate change mitigation, resilience, equity, and safety for all users, including cyclists and pedestrians. The Bipartisan Infrastructure Framework is the single largest dedicated bridge investment since the construction of the interstate highway system.”

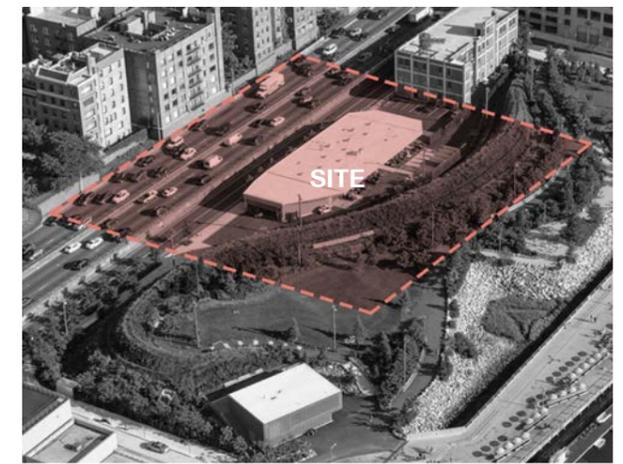
— The White House



Site Observation



Site Section



Site View

[Virtual Art Studio]

-Redesign Brooklyn-Queens Expressway (BQE) Triple Deck

ADVANCED STUDIO V: Extreme Scales

Site: Brooklyn, United States

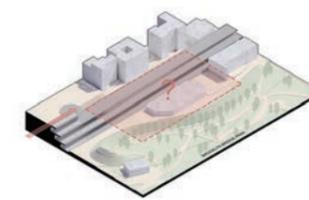
Collaborator: Hao Zheng

Contribution: Concept 50%, Modeling 70%, Drawing 60%

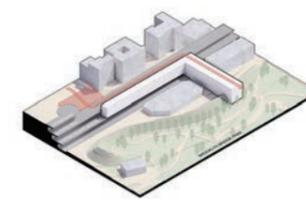
Instructor: Laurie A. Hawkinson

September 2021 - December 2021

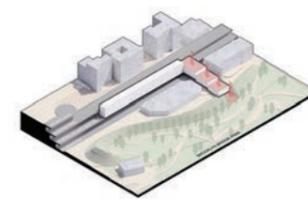
The Visual Art Studio is a place for artists, art students, and residents to work, meet and display work from all communities in Brooklyn. The VAS is located at the south end of the promenade accessed from the second and third levels of the newly imagined BQE Open Space, or from below in Brooklyn Bridge Park. The VAS provides programs such as an art market and visual art studios; which could include specific art facilities such as printing space and glass blowing facilities. Common spaces such as community shared spaces, and a cafeteria, and reading space are also imagined.



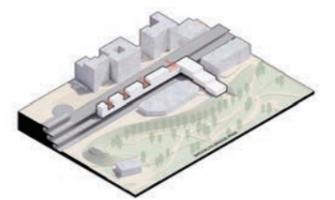
Site



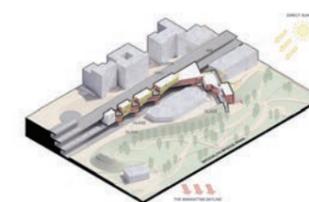
Connection



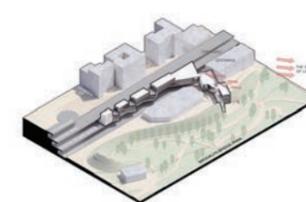
Terrace



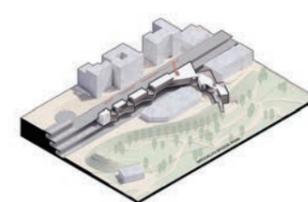
Interaction



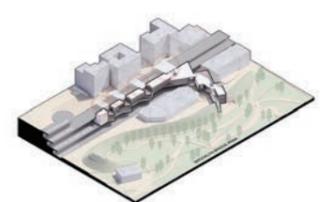
Sunlight



View

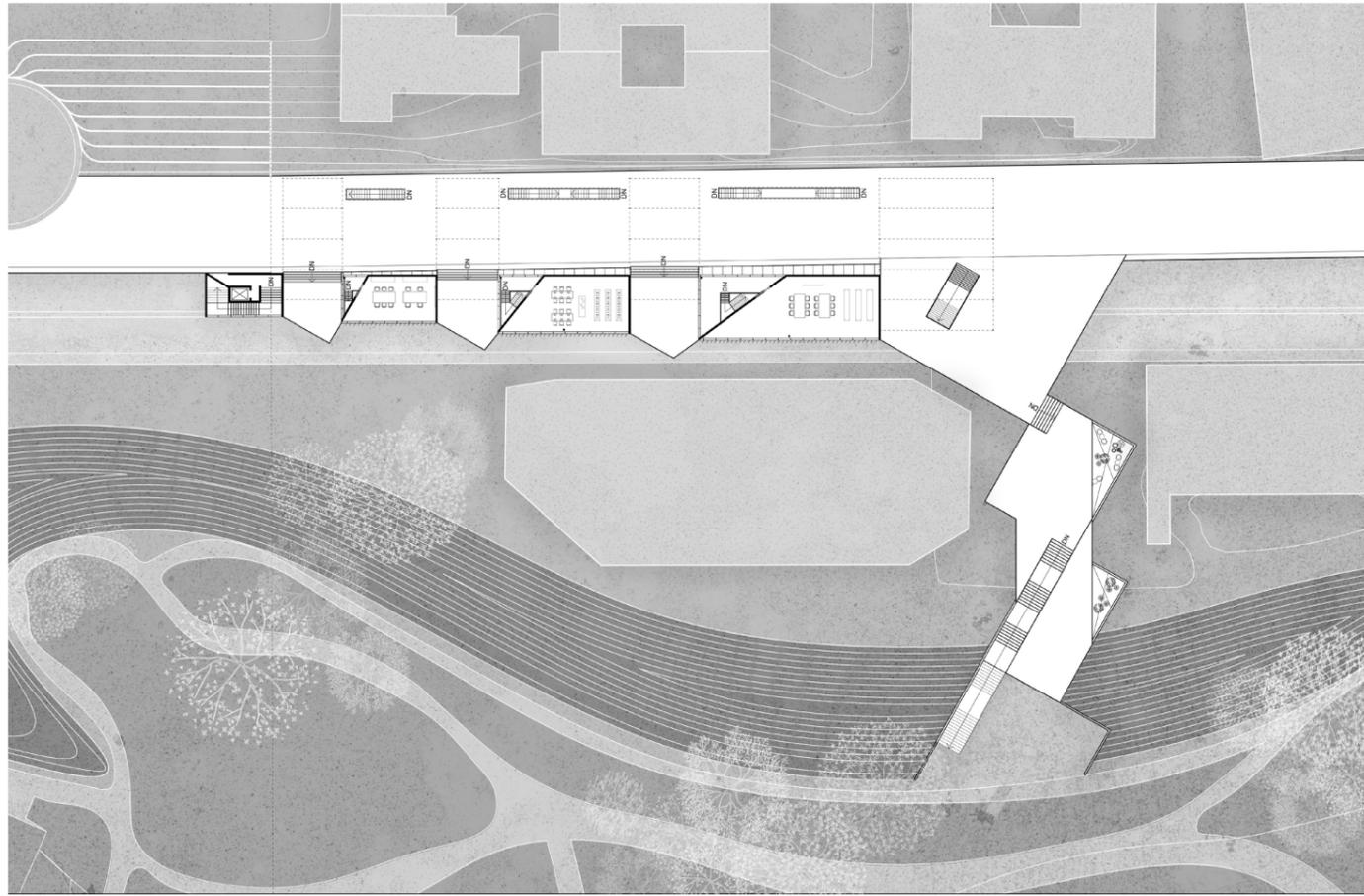


Entrance



Canopy

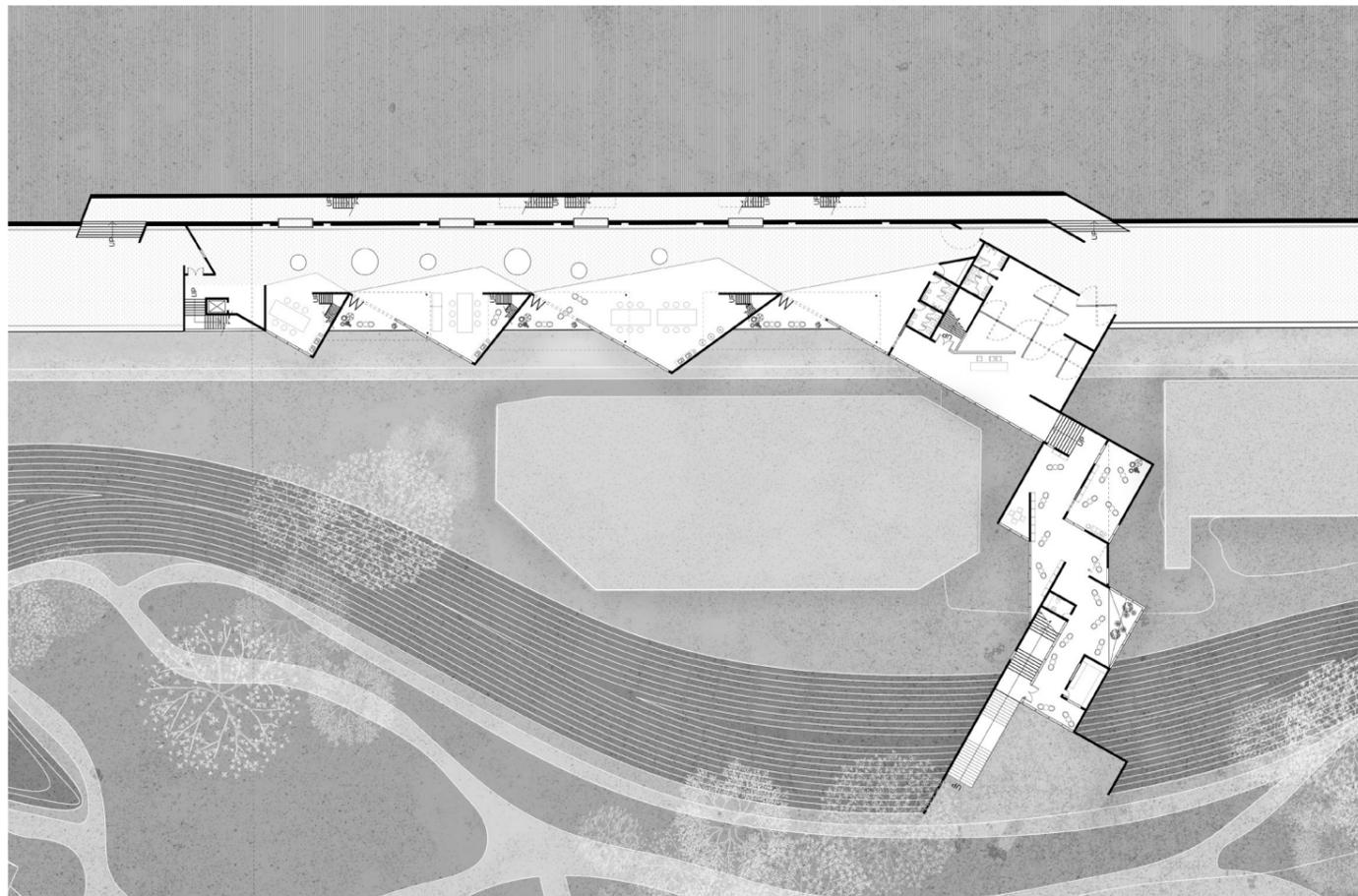
Massing Diagram



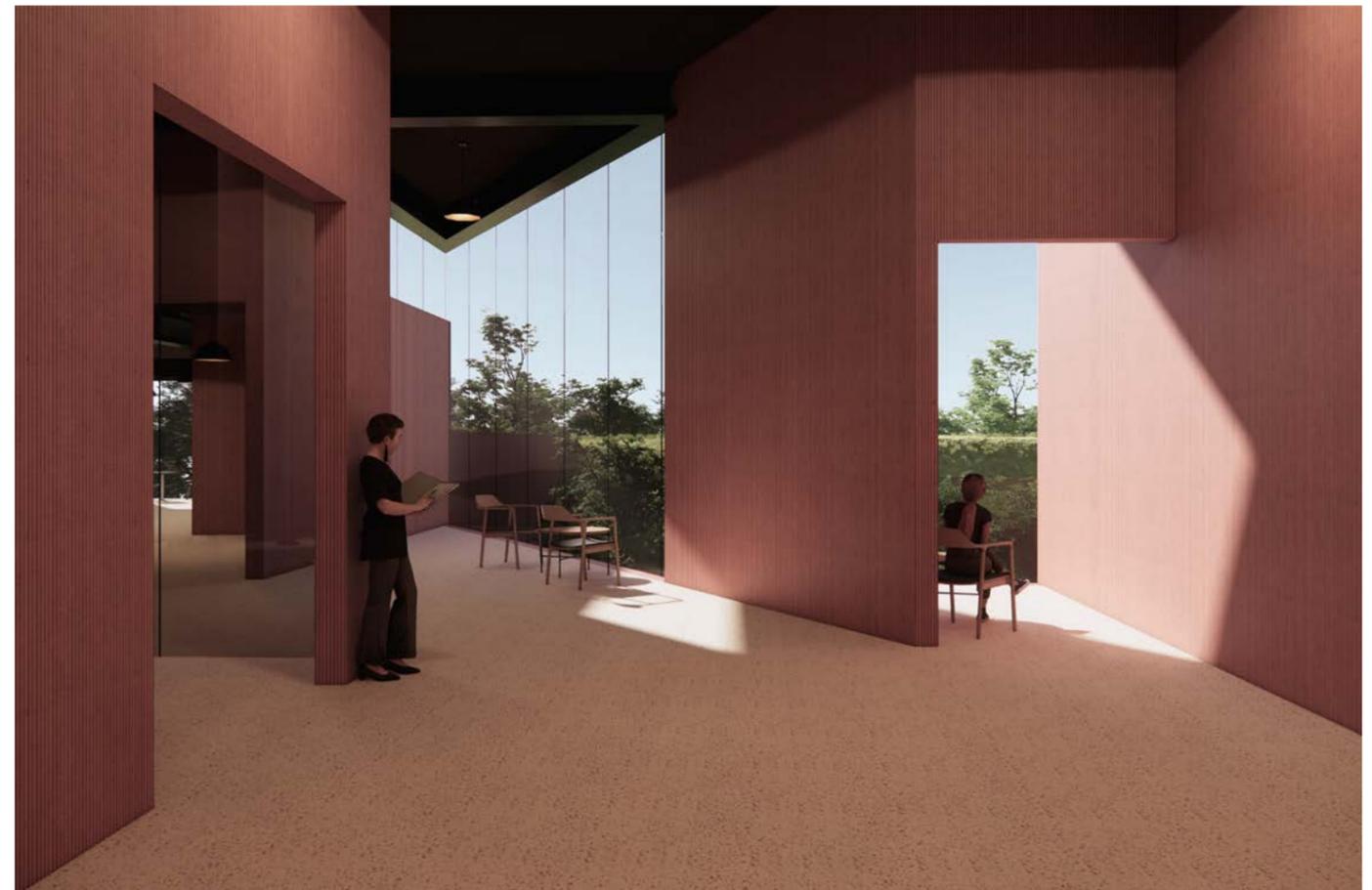
QUEENS BND BQE Level Plan



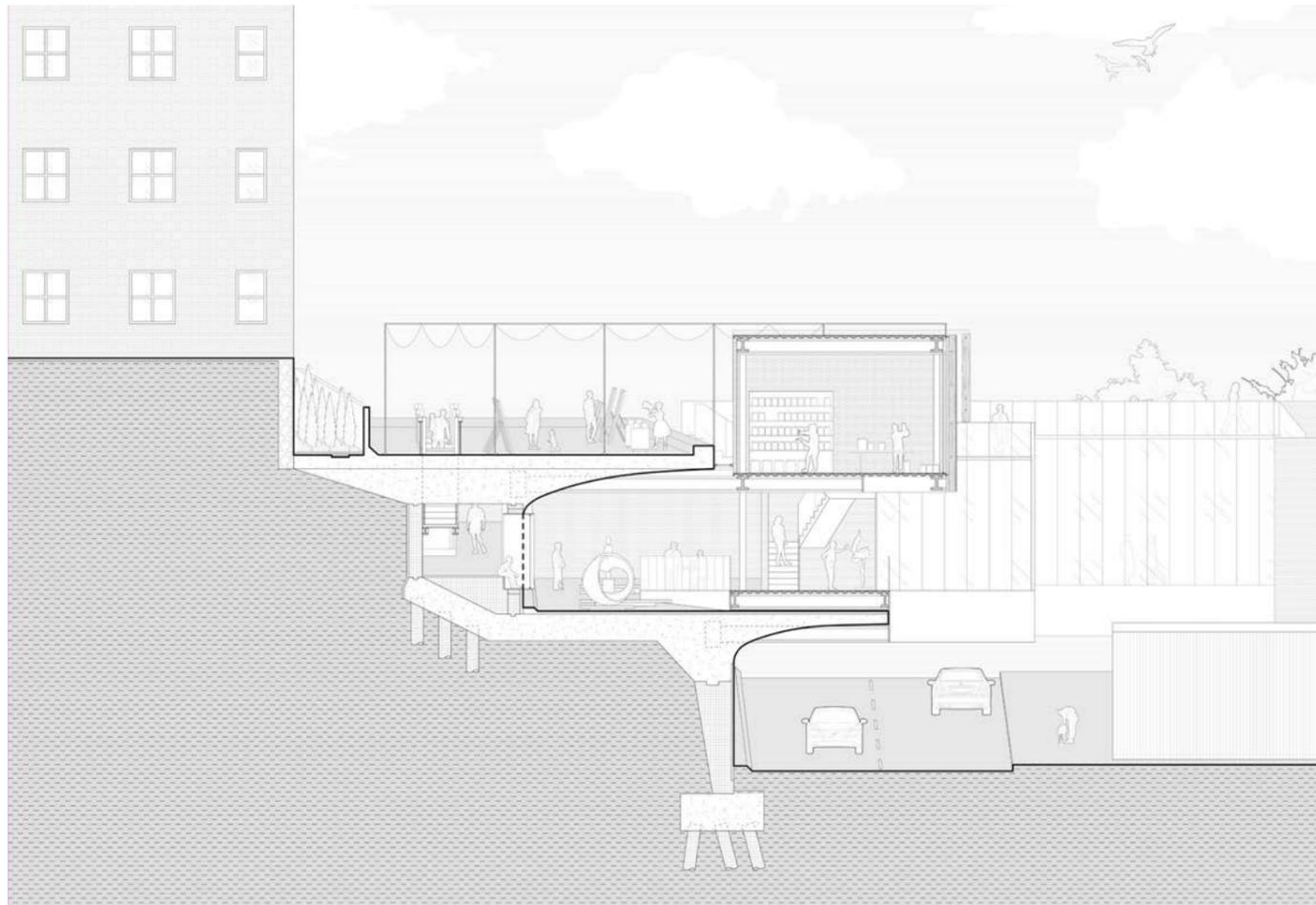
View From Brooklyn Bridge Park



STATEN ISLAND BND BQE Level Plan



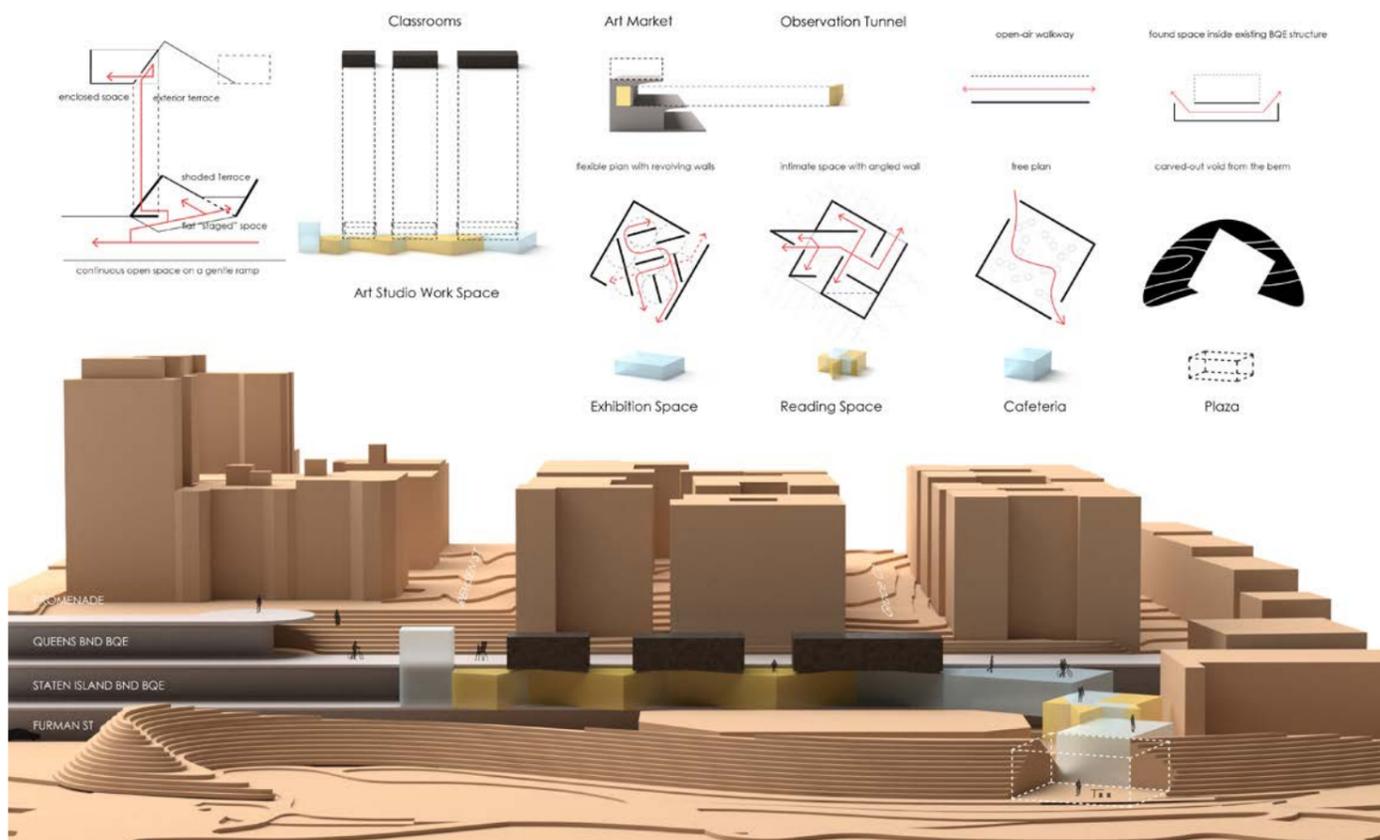
Interior Rendering



Section



Interior Art Studio Rendering



Program Diagram



Exterior Art Market Rendering



[It is Still Extracting]

-Loudreading for Damage From Oil Extraction

ADVANCED STUDIO: LOUDREADERS PLANETARIUM

Individual Work

Instructor: CRUZ GARCIA & NATHALIE FRANKOWSKI

June 2021 - July 2021

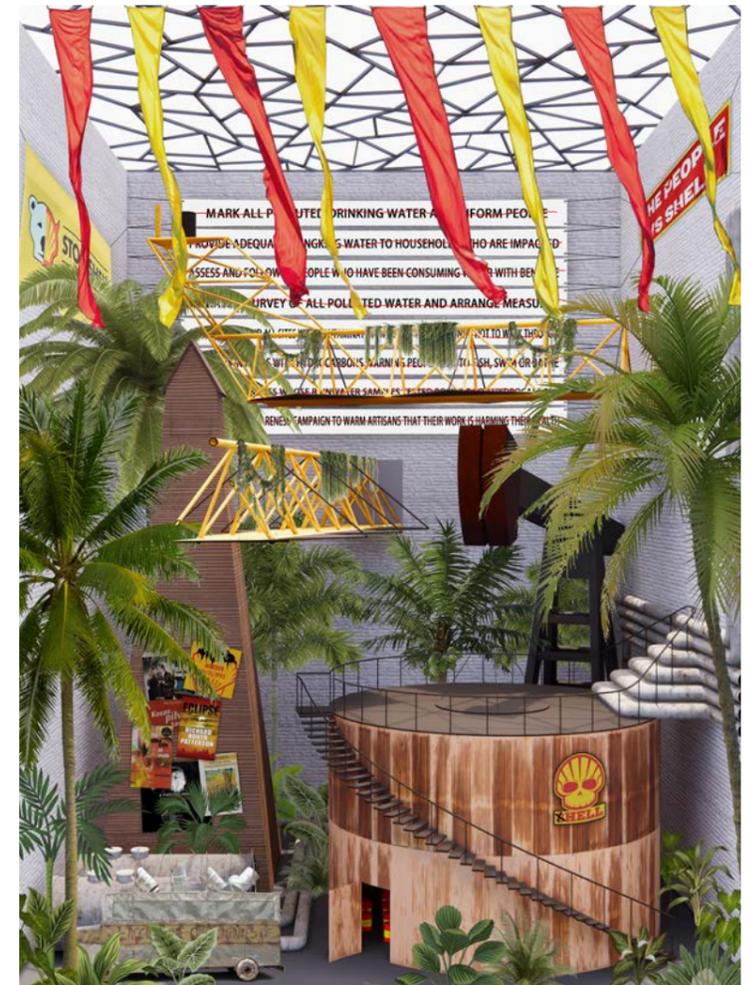
A great loudreading is happening in the Asian Building. Its full name is Asiatic Petroleum Building, used to be the Shanghai office of Shell oil company. It went through war, revolution and opening-up in China. Now some parts of Asian Building are exhibition spaces and others belong to China Pacific Insurance, a company providing automobile insurance. Somehow, Asian Building always connects to oil.

Shell left Asian Building, but that doesn't mean it stops extraction. The simple truth is that it has been happening everywhere around the world and created numerous environmental problems. So we do a loudreading here, to let the public be aware that extraction is still happening, causing more problems.

Full Video: <https://vimeo.com/581117999>



Poster



Loudreading Space



1900s - World



1900s - China



Present - World



Present - China

Oil Extraction Footprint

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