BOTHO G. JOSEPH ARCITECTURE 4th year PORTFOILO

THE DESIGN

The design is a pristine piece of nature that houses an ecological reserch center for graduate students, it is aimed and restoring the ecology of the segodit-shane river and soloving flooding caused by the urban fabric, promoting an ecological flow along the segodisthane river

THE CONCEPT

the cocept is a series green roof bulings protruding from the land becoming one with the environment, and restoring the ecology of the river by providing habitat and using ordering systems

THE STATEGY

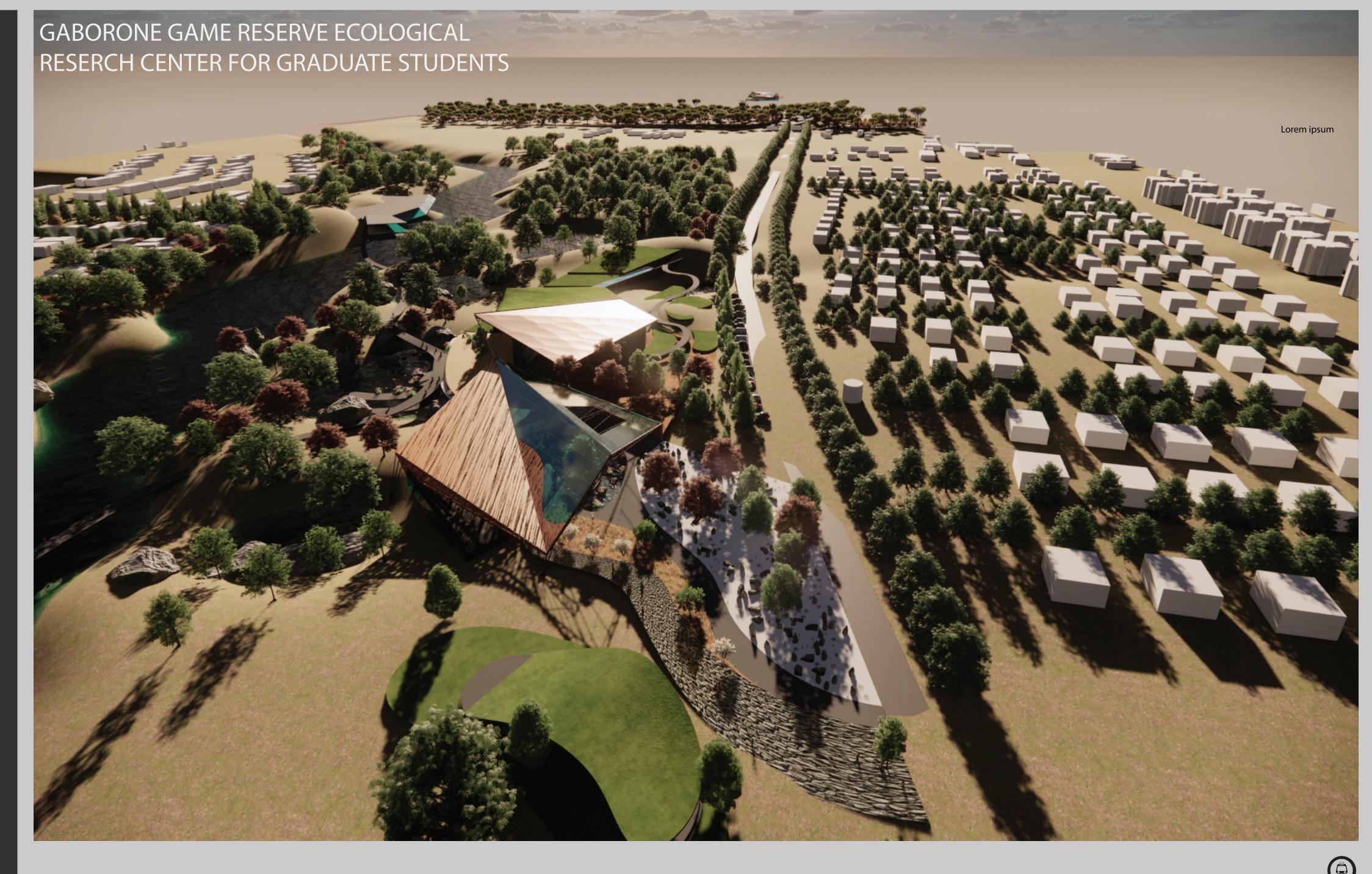
The strategy entails educating society on issues of ecology and urban farming at the research center by incorporating semina roams and greenhouses for public education, as well as incorporating a live machine that collects and cleans grey water from the city grid and supplies cleanwater to the urban farms along the Segoditshane river, thereby improving the lives of the community by planting trees on the egde of the Segoditshave to reduce wash off, thereby reducing the risk of flooding The concept proposes a tram for transportation to the ecological site and encouraging existing activities to enhance socialization and wellness.

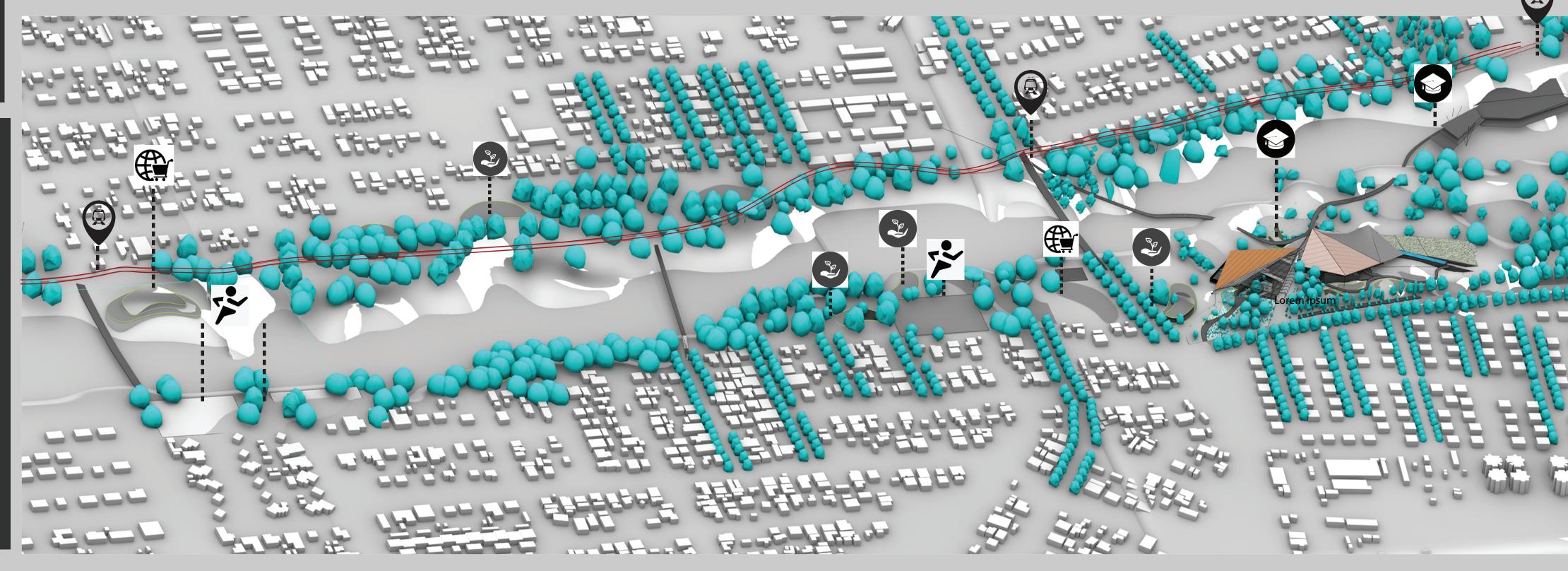
HEALTH- LIVING MACHINE

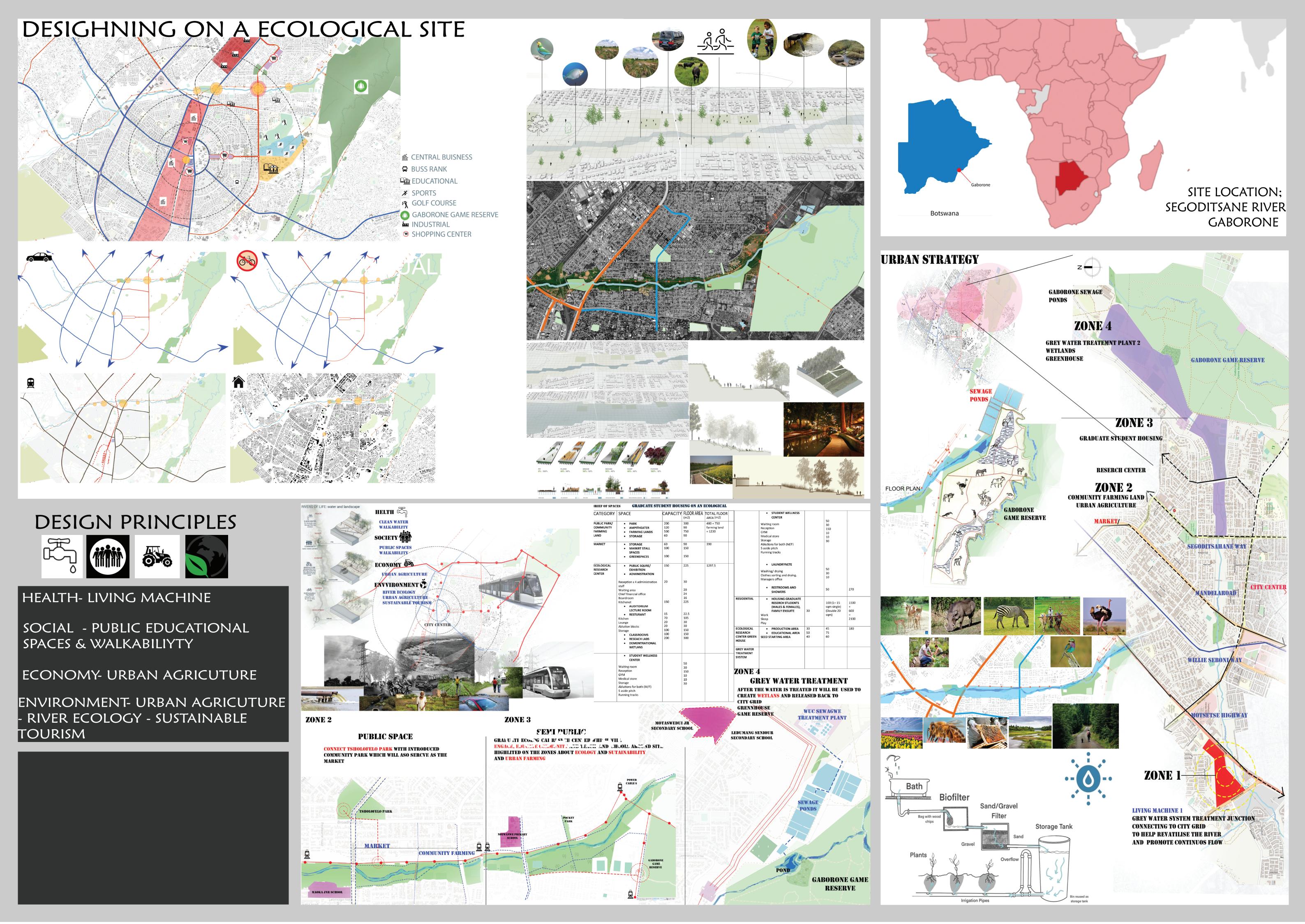
SOCIETY - PUBLIC EDUCATIONAL SPACES & WALKABILIYTY

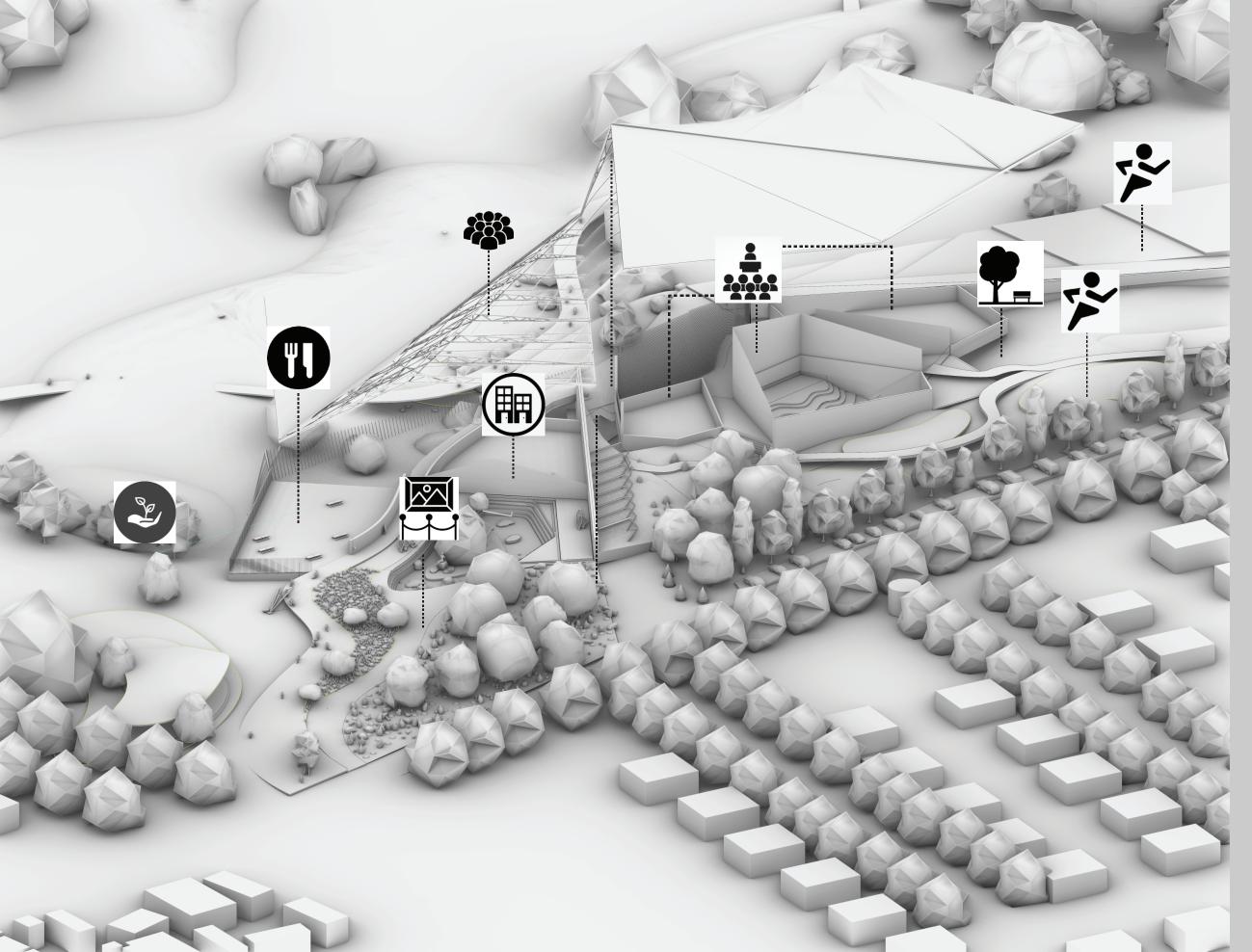
ECONOMY- URBAN AGRICUTURE

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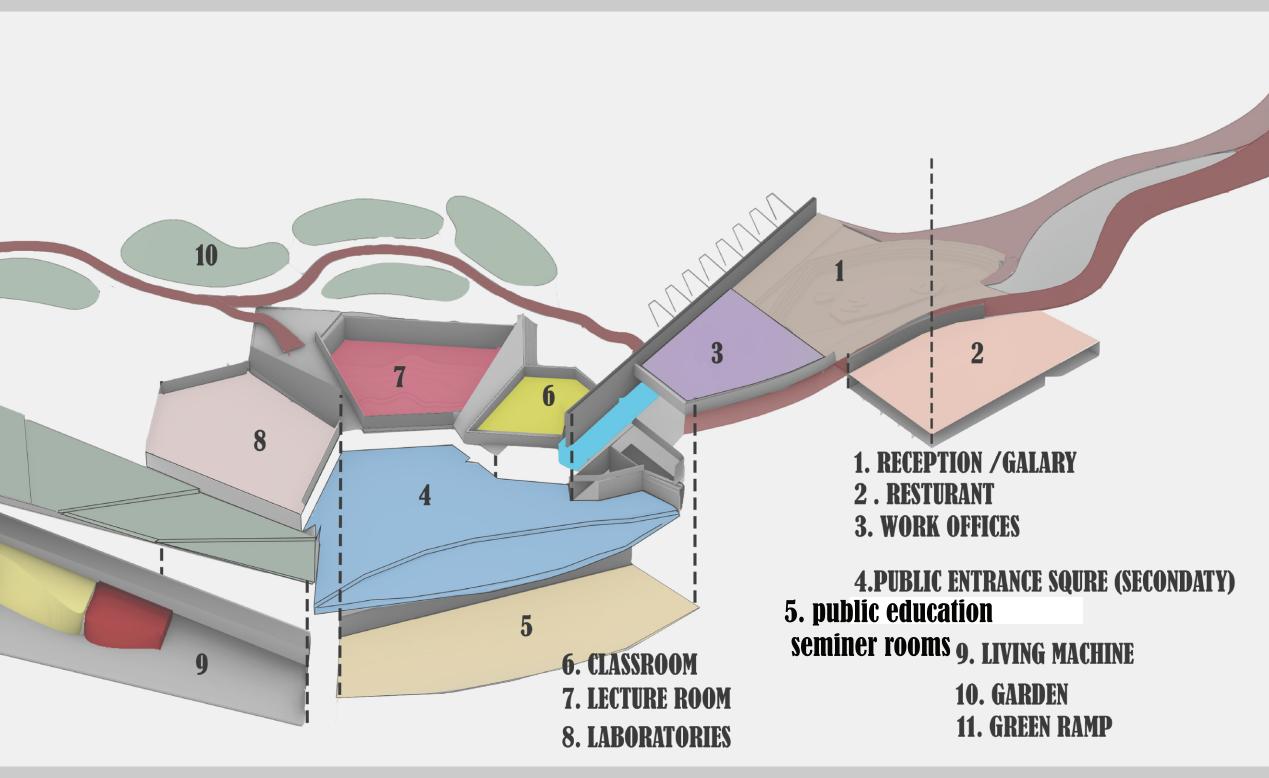




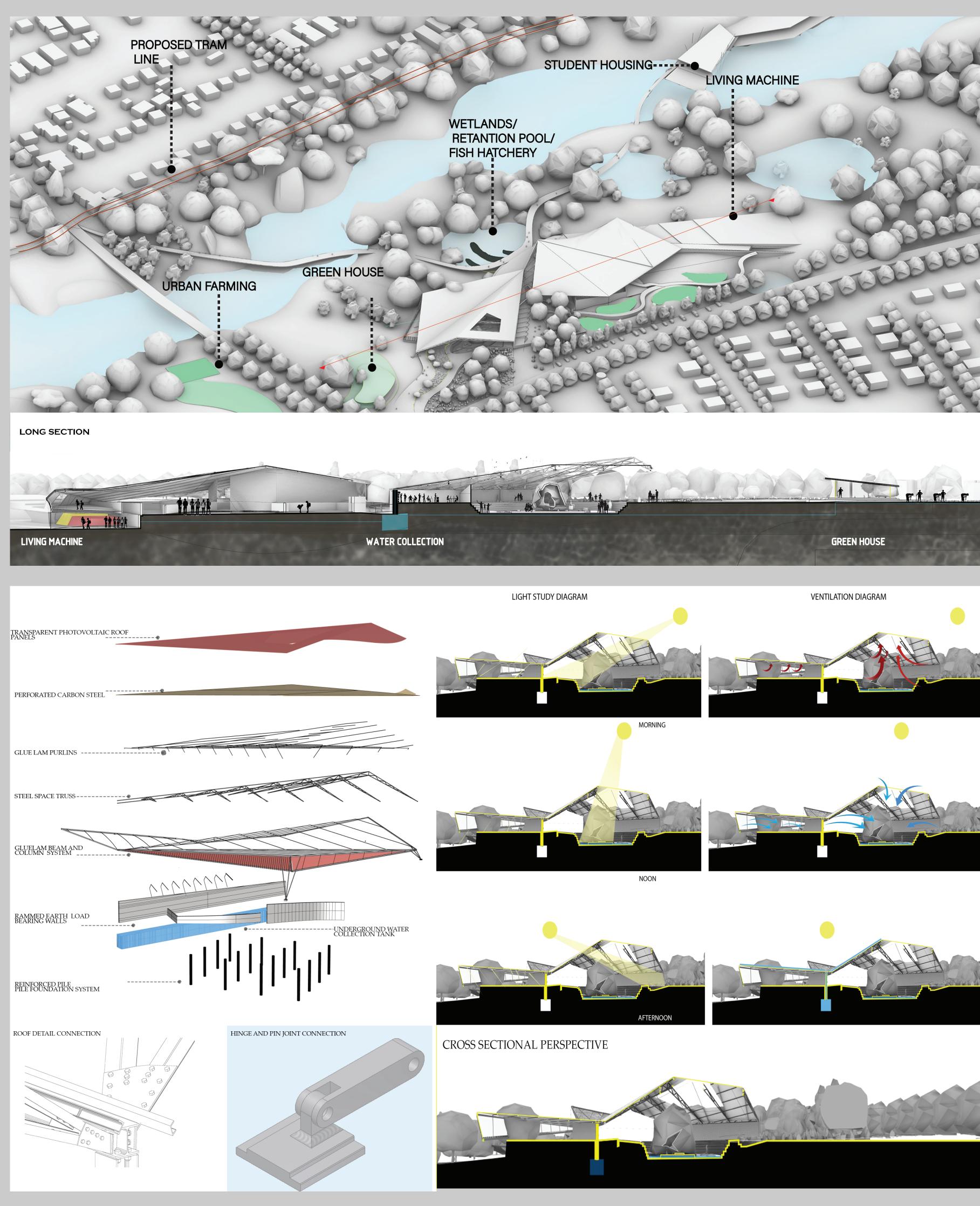


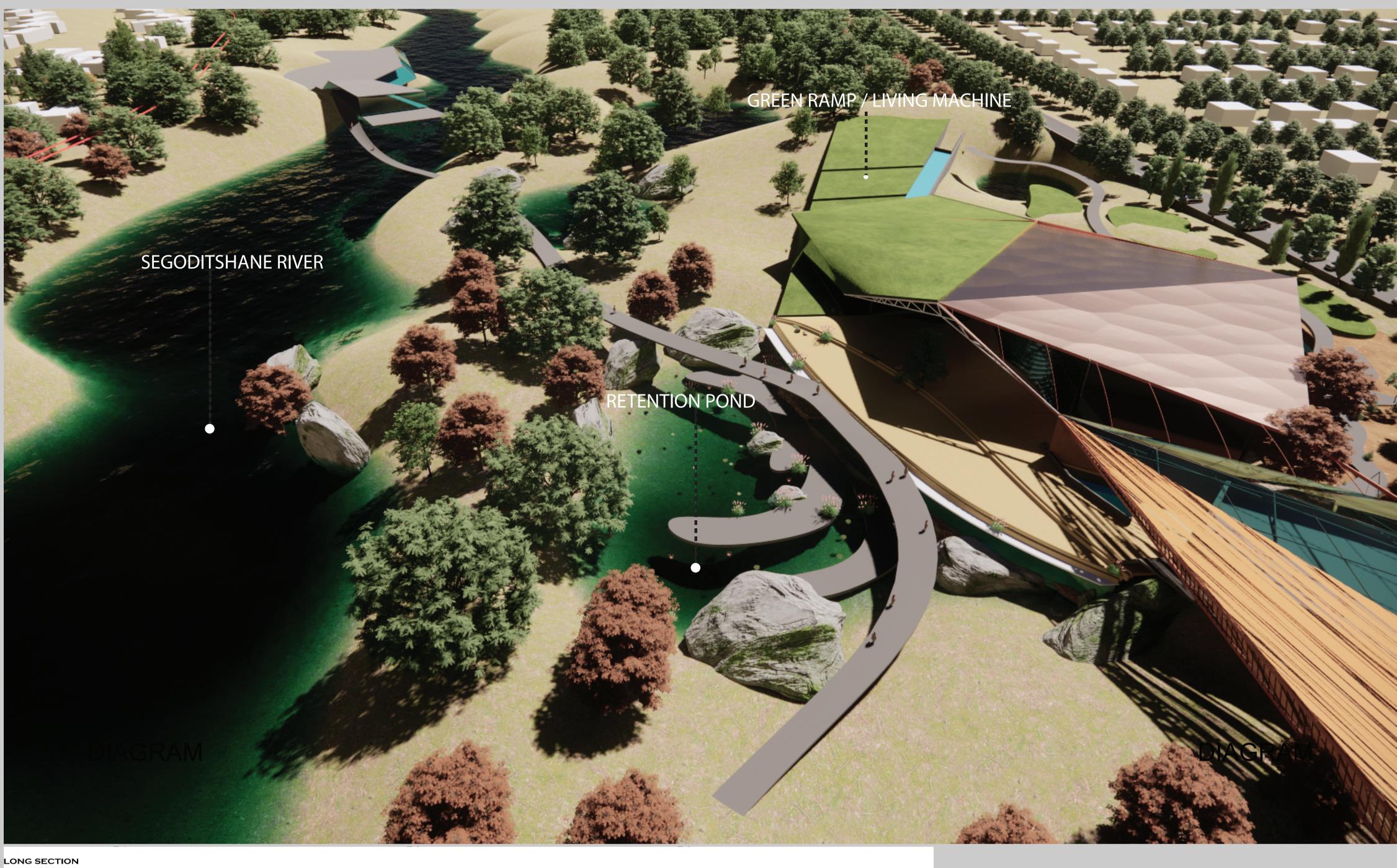


The design depicts a learn, work, practice, and sell environment for the community to be able to practice skills learned at the research center and productive sustainable farming practices for food and job security, which is why the design includes a second entry public square and public education semar rooms.



GABORONE GAME RESERVE ECOLOGICAL RESEARCH CENTER





LIVALO MACHIC WATER COLLECTION GREAT FARMS UBBAN FARMS

USE OF RETENTION POOL FISH HATCHERY

THE RETENTION BASES ARE USED AS FLOODING SYSTEMS IN THE SAME WAY THAT TREE PLANTING ALONG THE EDGE OF THE SEGODITSHANE RIVER IS USED TO CONTROL FLOODING INTO THE BUILDING WHENEVER THE RIVER IS OVERFLOODING. & THE FISH HATCHERY IS USED TO CHECK THE ACIDITY OF THE WATER AFTER CLEANING TO SEE IF IT CAN BE USED; IF THE FISH DIE, THE WATER IS REPROCESSED.

URBAN FARMING

URBAN FARMING IS PART OF GIVING BACK TO THE COMMUNITY IN ORDER TO PROVIDE THEM WITH SOMETHING TO SUSTAIN THEIR LIVES WITH. THE STRATEGY INVOLVES PROVIDING TRAINING TO THE COMMUNITY IN ORDER TO PROVIDE THEM WITH THE NECESSARY SKILLS TO CARRY OUT URBAN FARMS ALONG THE SEGODITSHANE STILL PART OF RESTORING THE RIVER ECOLOGY V

LIVING MACHINE

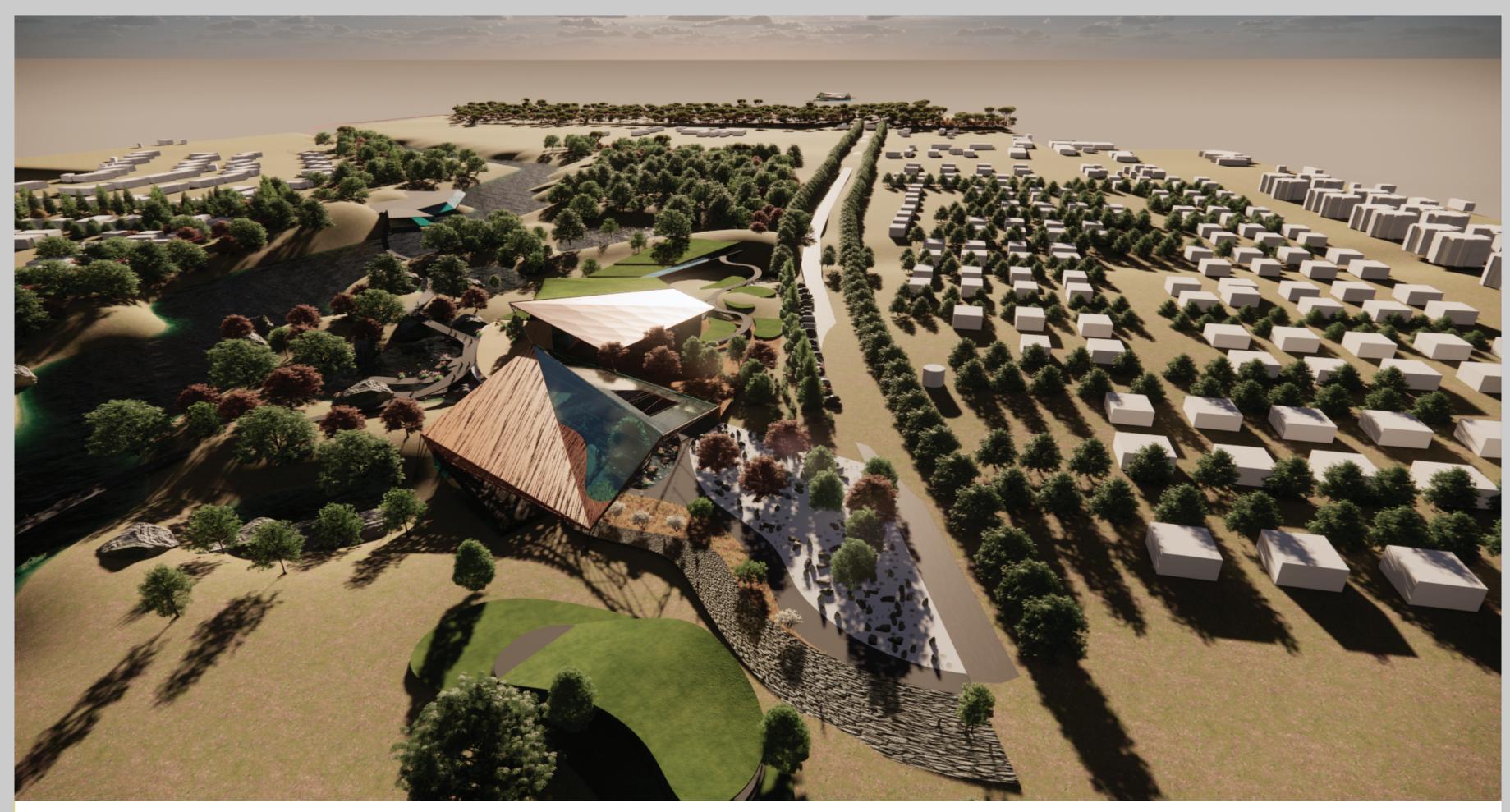
THE LIVING MACHINE WILL BE USED TO CLEAN STORM WATER AND GREY WATER BEFORE IT GOES INTO THE FISH HATCHERY AND URBAN FARMS; IT IS A SUSTAINABLE PART OF THE DESIGN THAT TIES THE WHOLE STATEGY TOGETHER.

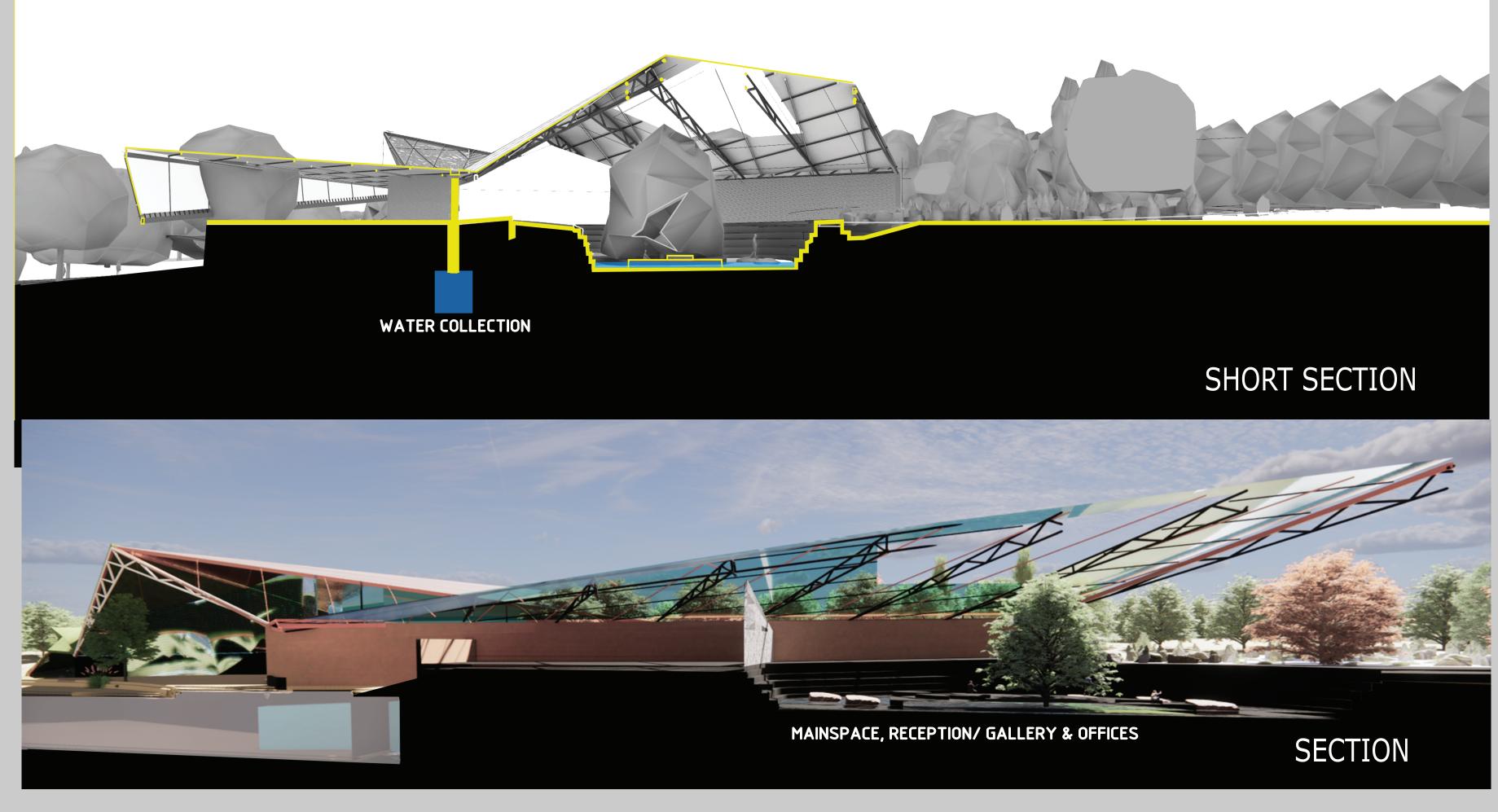
THE CLEANED WATER WILL GO TO THE RETENTIONS BASES IN ORDER TO ATTRACT GAME FROM THE GAME RESERVE, TO BEUATYFY THE BORTANICAL PARK ON THE DESIGN.

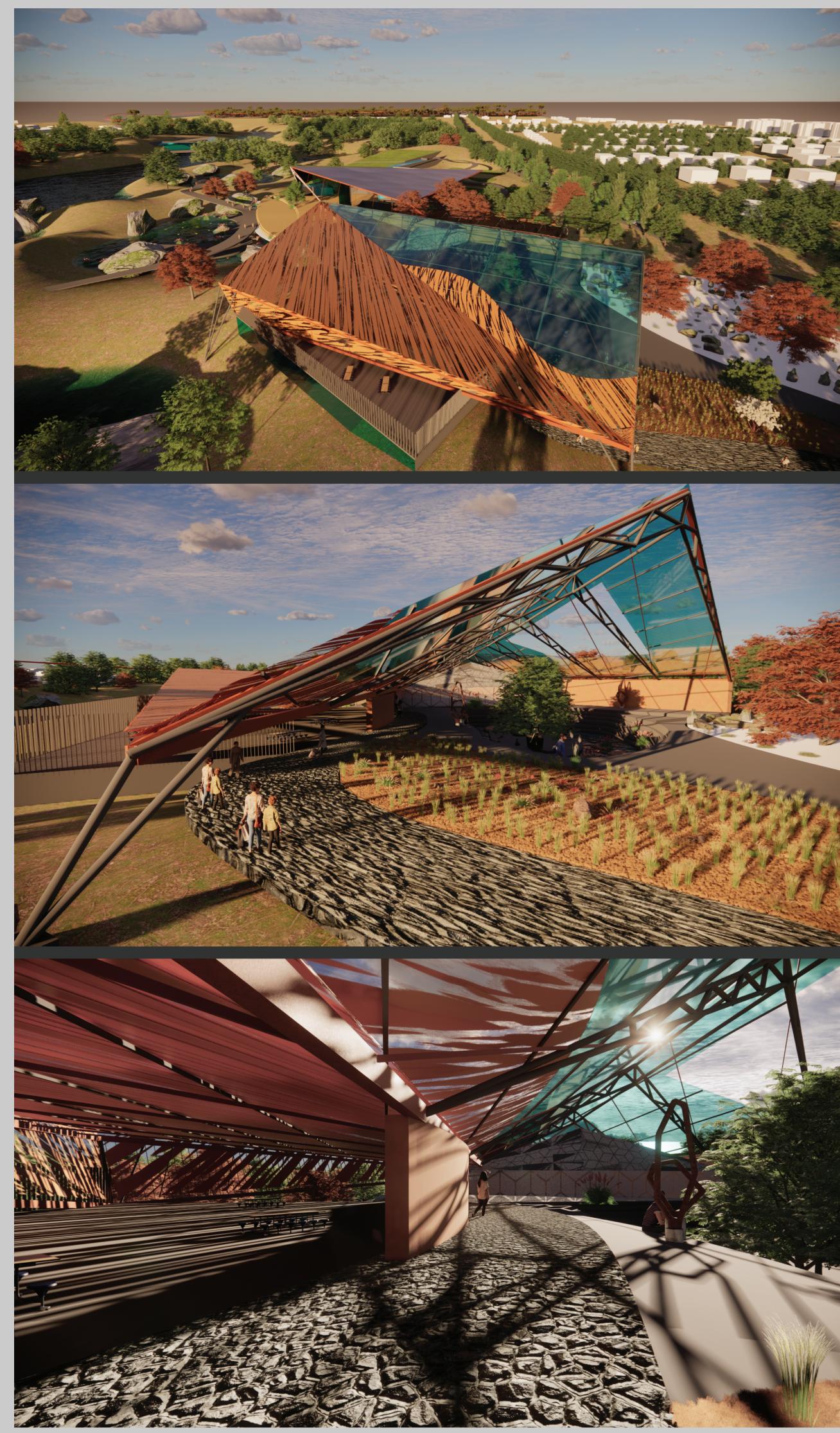


GABORONE GAME RESERVE ECOLOGICAL RESERCH CENTER

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THANK YOU!

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