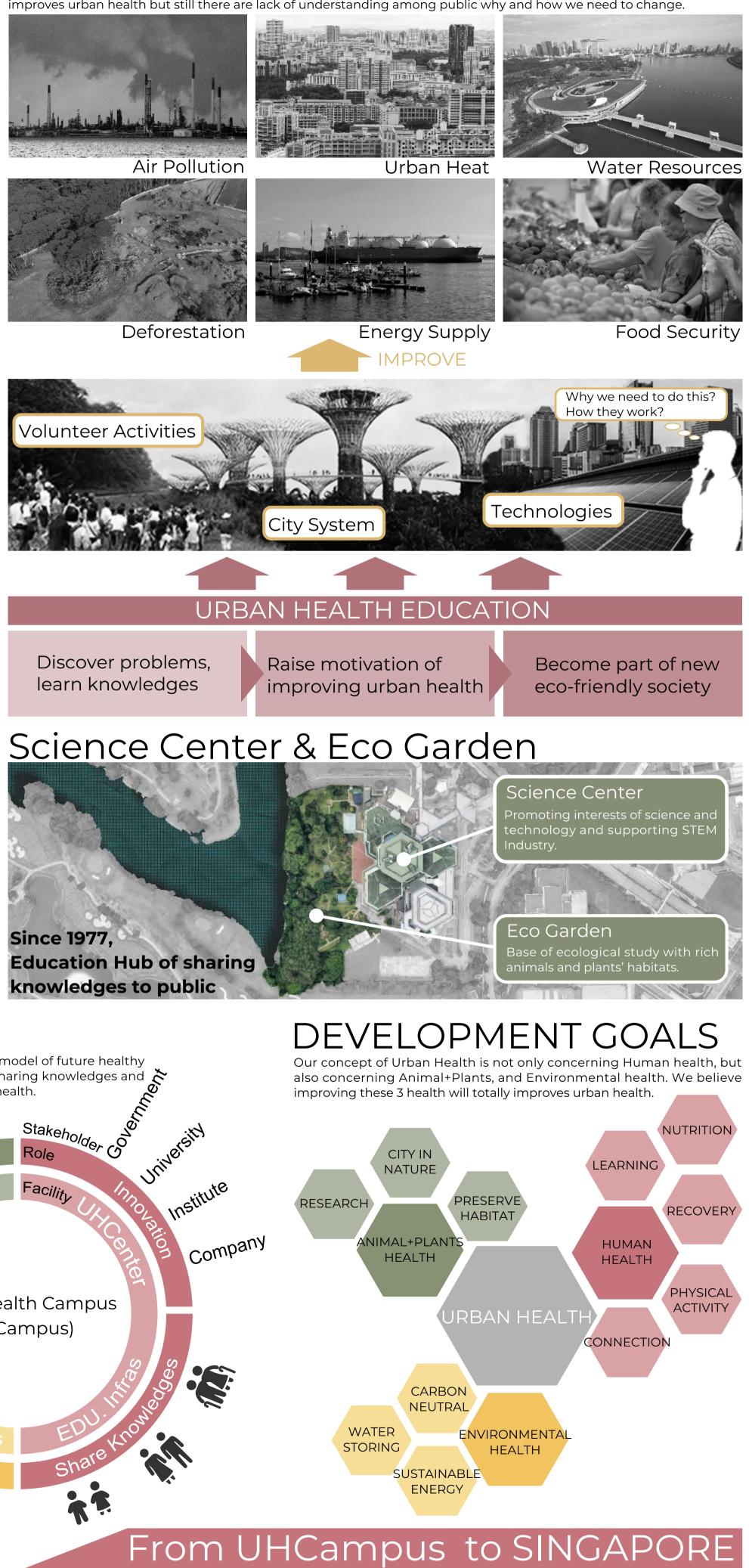
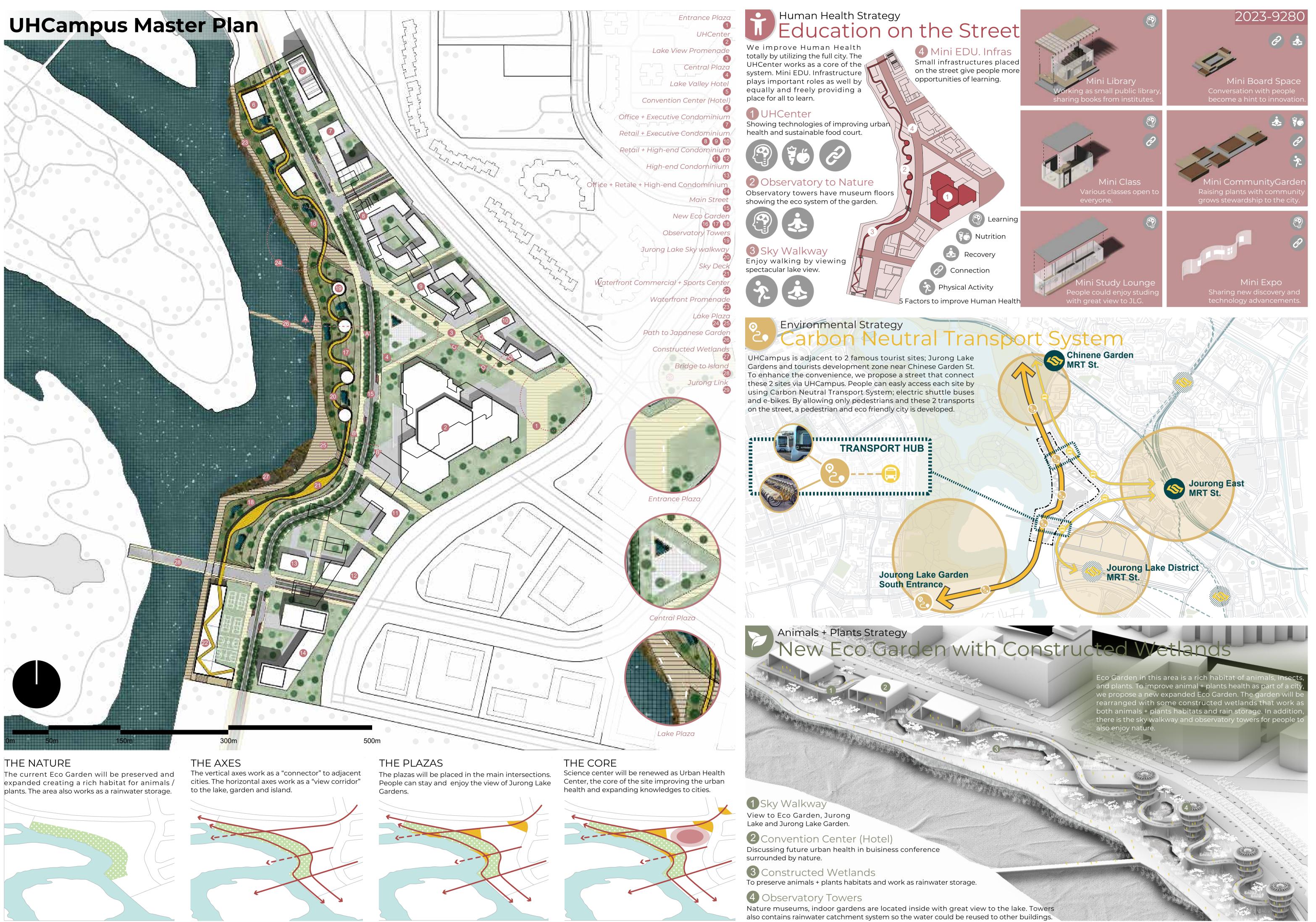


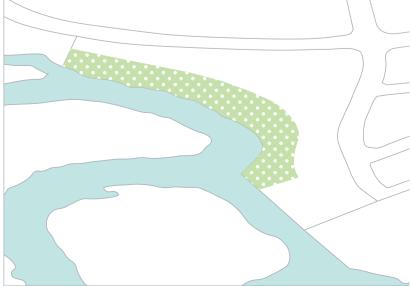
BACK GROUND -SG Urban Health Crisis-

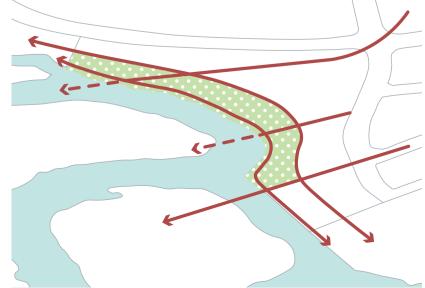


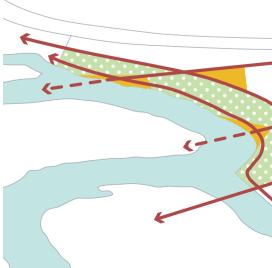
Singapore's rapid urbanization exacerbated its urban health in decades. Environmental problems such as air pollution, urban heat will damages not only human but entire eco-system as well. There are various studies and technologies that improves urban health but still there are lack of understanding among public why and how we need to change.













JOSHUA Visiting Businessman

1

Josh is visiting Singapore on a business trip and is staying at the Lake Valley Hotel to easily access an event at the Convention Centers as well as the offices near Jurong East Station. The UHC feels very much an example of Singapore's reputation as a "City in Nature"



AIDA Elementary School Teacher

Aida is happy about how the UHCenter renovated the old science center to maintain educational purposes as its heritage. It's great for field trips for kids to learn about sustainability.



BEATRICE Elderly woman leaving in nearby HDB

Beatrice lives in the nearby HDB's and comes to enjoy the UHCenter food court, walk along the waterfront skywalkway, and learn from the educational based facilities at the UHCenter and outdoor space. The streets being designed to be barrier free and pedestrian friendly makes her feel safe as well.

URBAN HEALTH CENTER - SPACE FOR ALL



Flood prevention by water bank

The son-payed lands and Bio-evolus enhance-like initiation of minuter and parent lipping in heavy sincle weighted area. The wallands in this area work as a solution pand to prevent flooding of nationals, alless, and incluic liain January Lake. A 19, dark connected to the alternatory to vary allows people to rease. salātų darp tie bie avandaring karvý rais

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Utilization system of rainwat

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a day at the **URBAN HEALTH CAMPUS**



TENG & SARAH NUS University Students

Teng & Sarah never had a reason to go to Jurong Lake District, but the UHC redevelopment is now a great place to go after class.

15:00 Coming to see Innovation/Research Labs at the UHCenter

16:20 Having Coffee at a cafe under the residential towers

17:00 Use the outdoor study rooms

19:00 Eat dinner at UHCenter Food Court

20:00 Enjoy outdoor Central Plaza before heading home

THE LIM FAMILY **Residents at UHC**

The Lim family are pleased with having bought an apartment at the UHC. They enjoy the safety, convenience, and walking in the outdoor space or visiting the UHCenter with their child who they want to grow to be someone who will care for the environment.

Weekend 10:00

10:00 Walk along waterfront and see different plants

10:30 Go to Sports Center with family

12:00 Have lunch at the **UHCenter Food Court**

See new exhibits at the 13:30 **UHCenter** and the UHCenter indoor farming

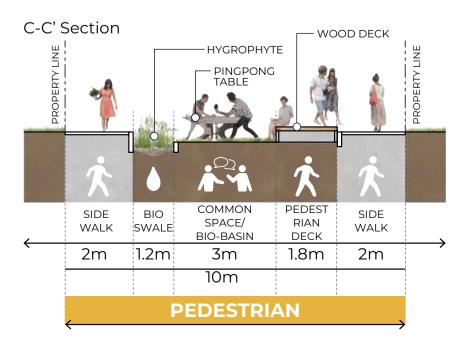
15:00 Home (by walking or E-shuttle running along main road)

Road Section Plan

pedestrian network with two types of Roads

The Main Street is equipped with public EV lanes and bike lanes, making it easy to move without private cars. Mini educational infrastructures are placed along the street, creating an environment where anyone can easily access education.

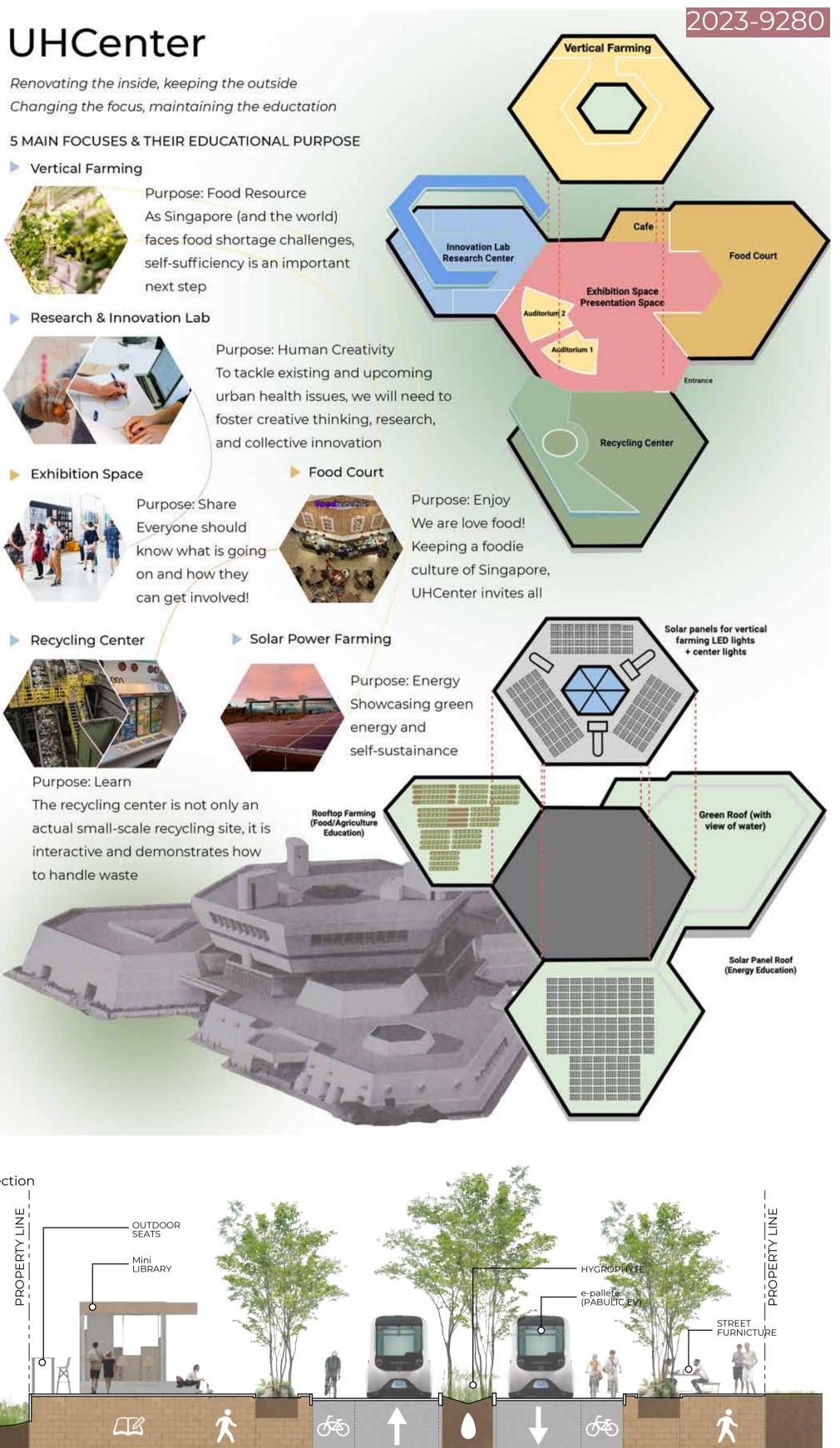
On the Lakeview Promenade, straight paths and bioswales with short plants create lake views, and winding decks and plants create various landscape and serve a disaster-prevention function.



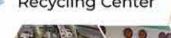
Vertical Farming

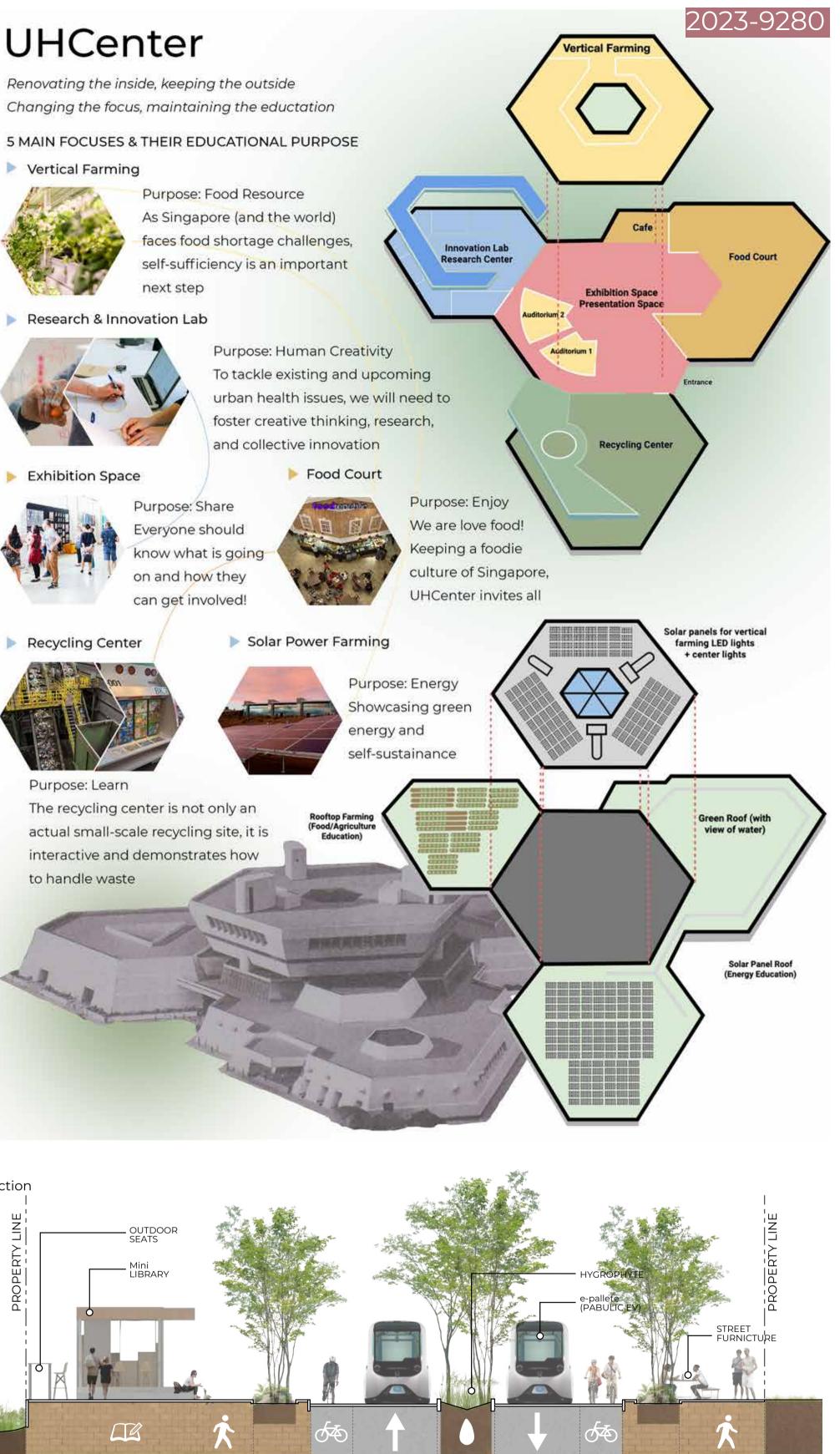


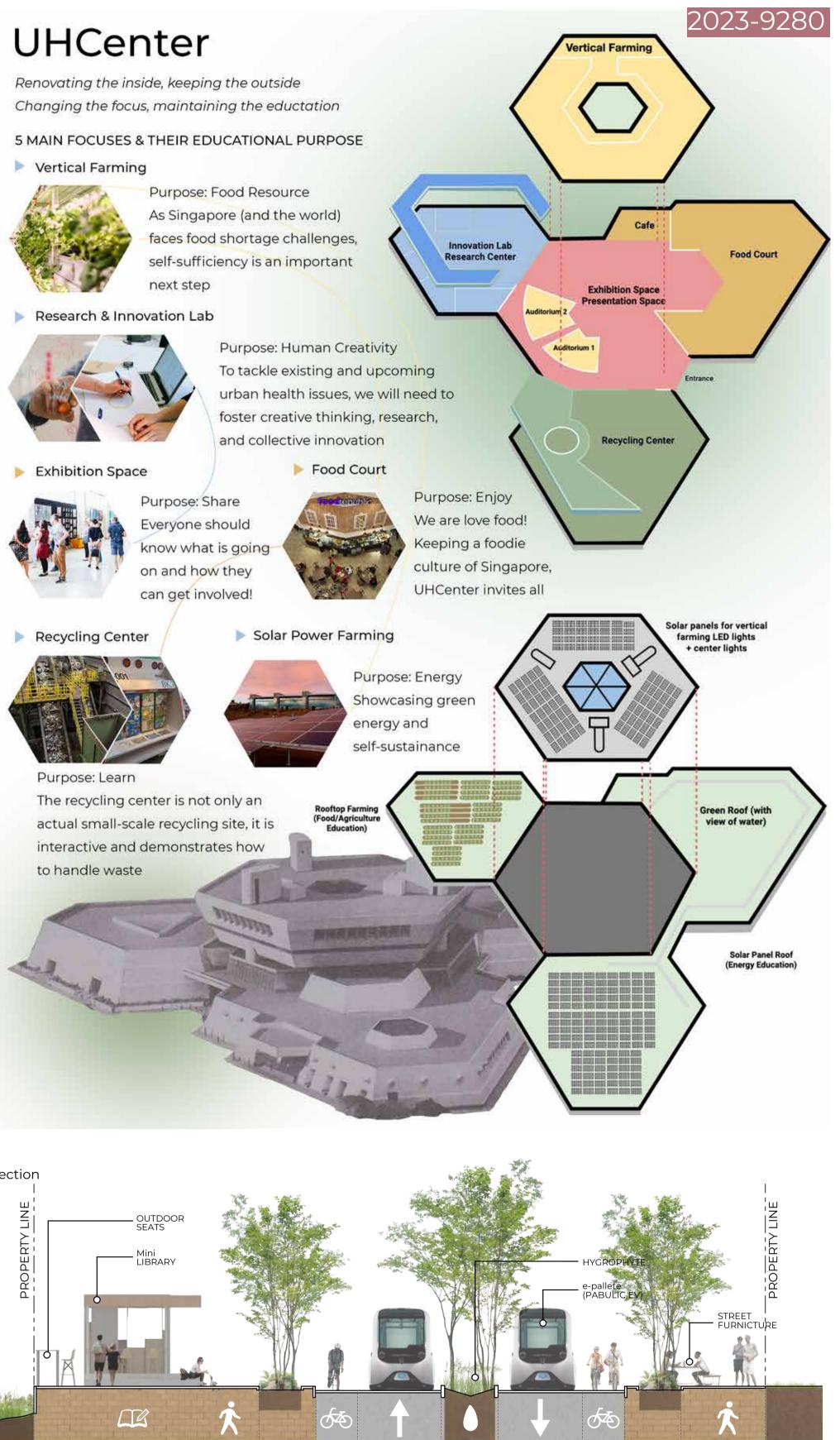
Research & Innovation Lab

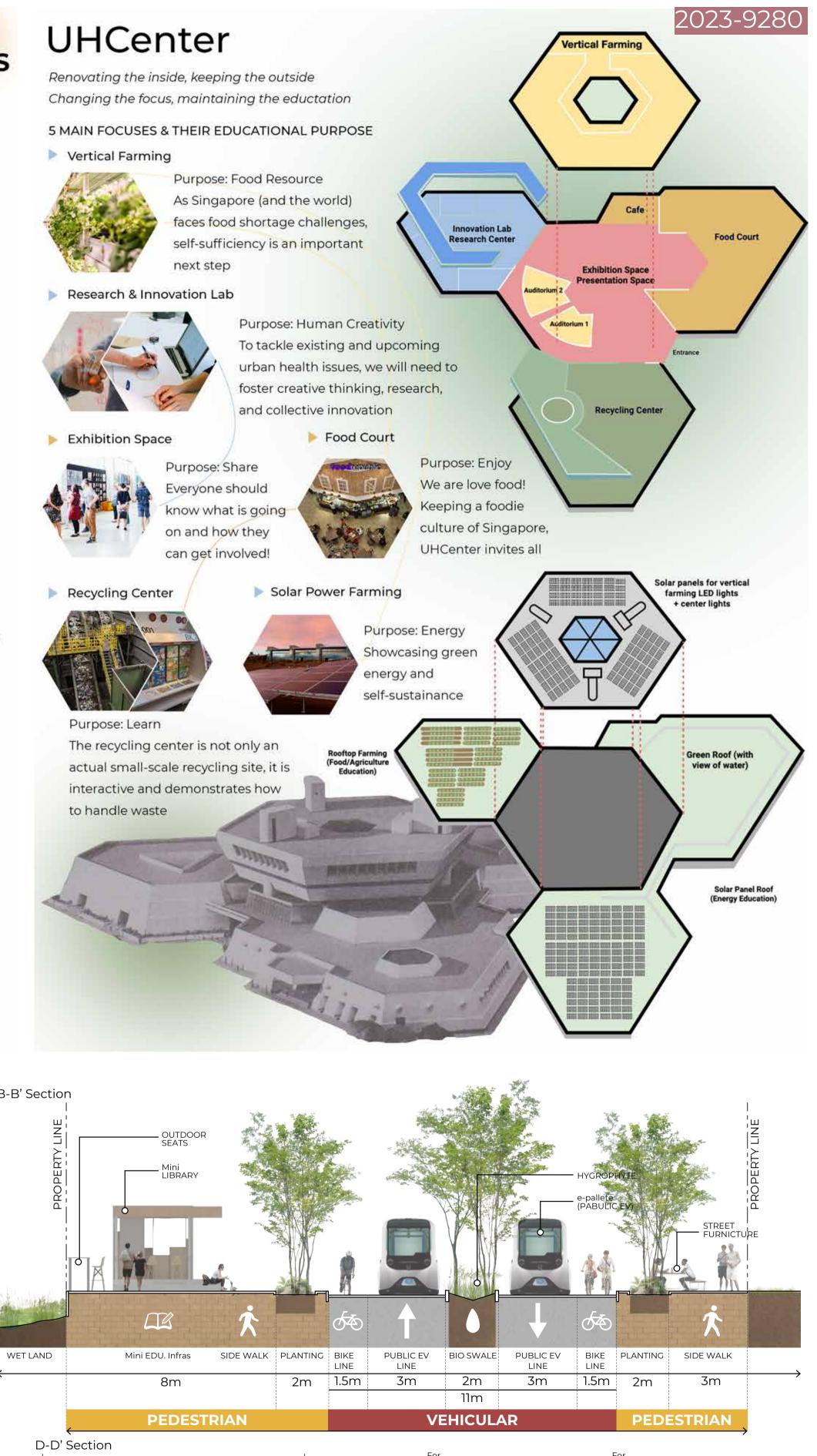


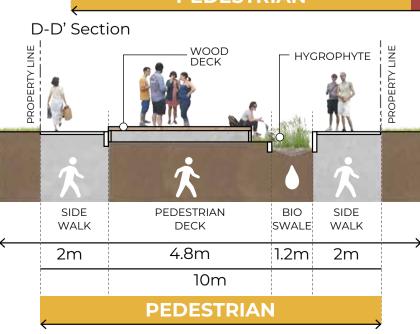
















Normal Activity Zone Along the bio-swale, are public spaces where people can play sports communicate or study.



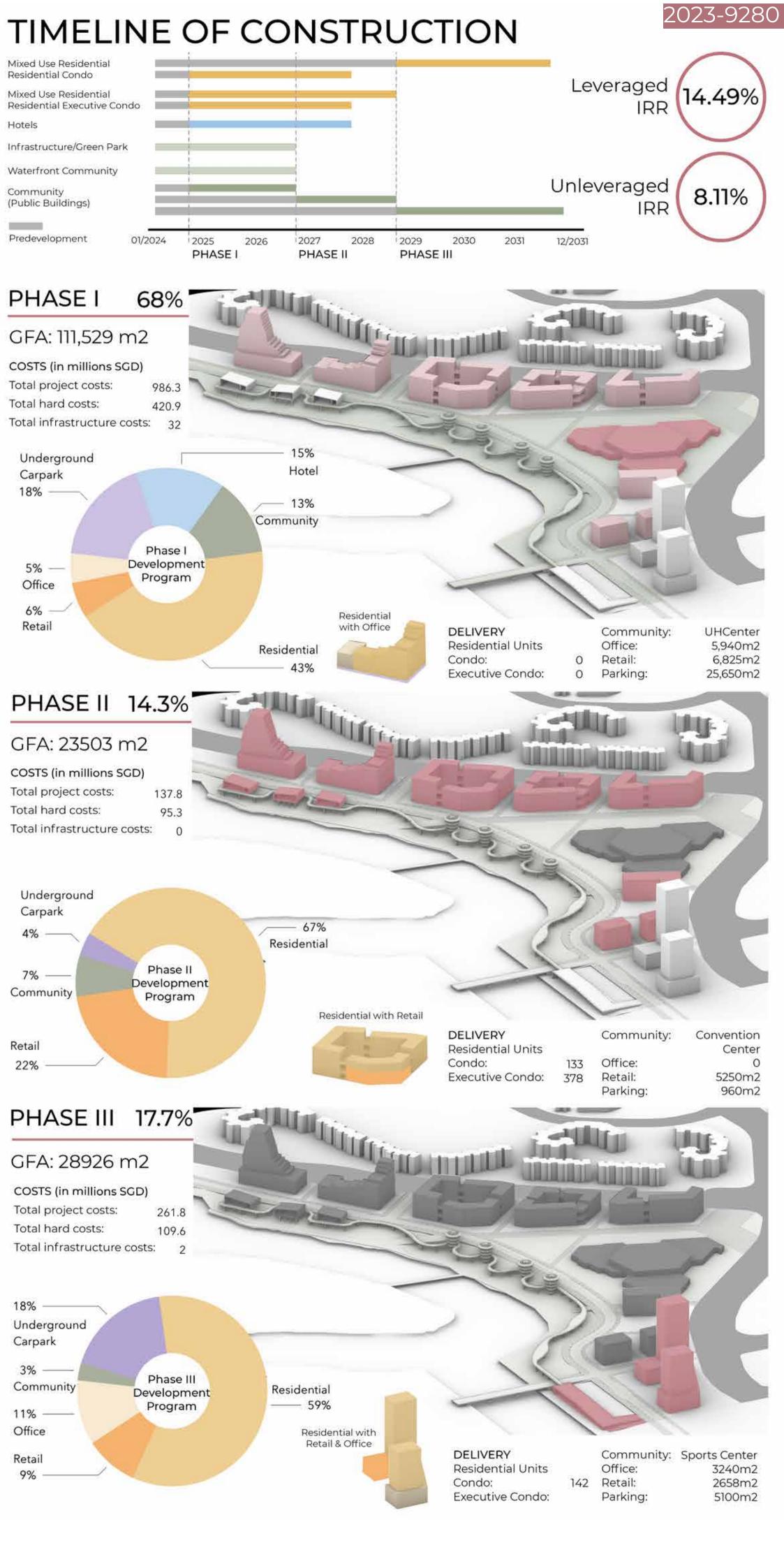
Storm

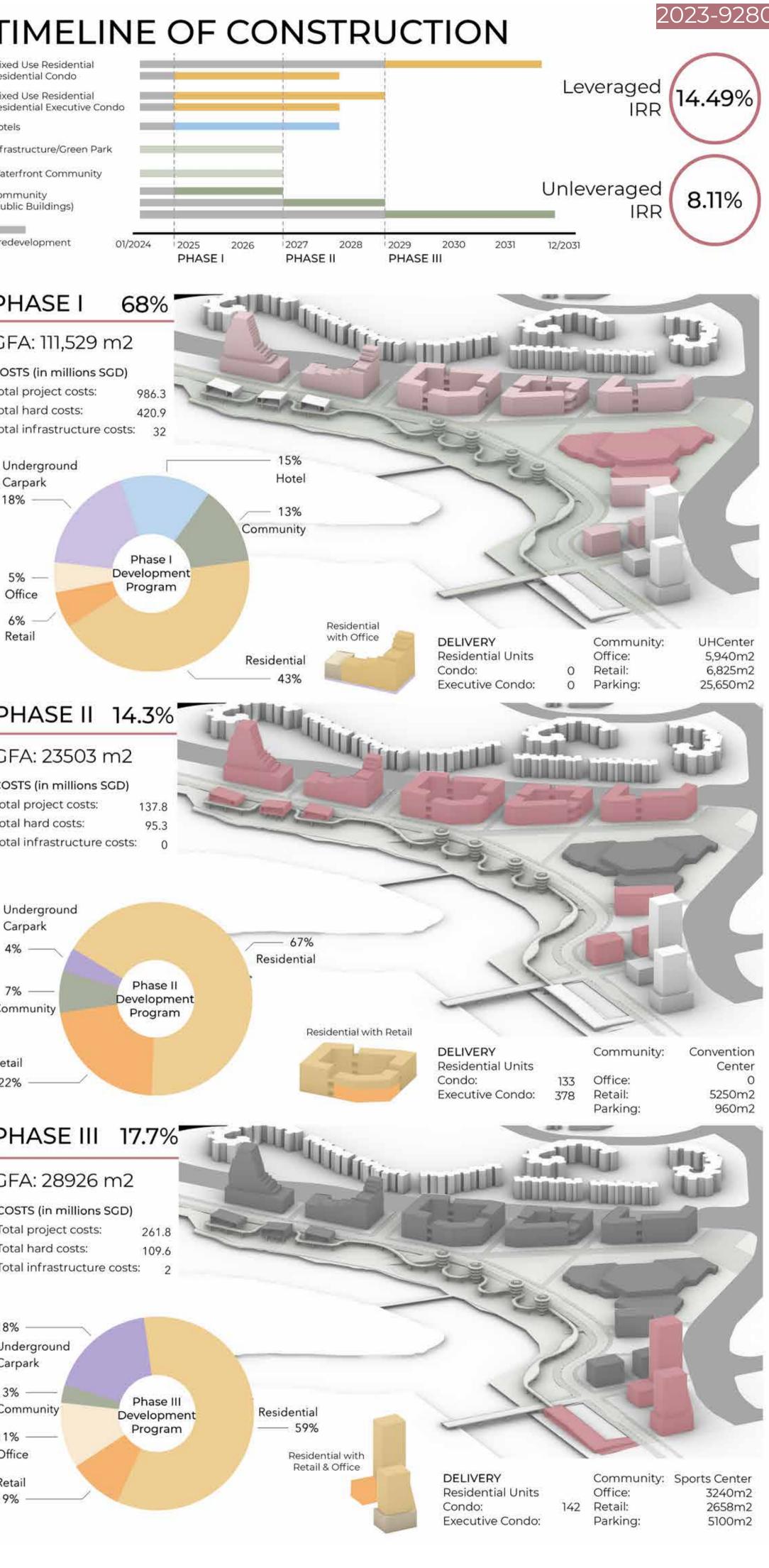
Retention Pond The winding

bioswale can slow down water flow. By placing common spaces where the bioswale curves, it can temporarily store water.









COSTS (in millions SGD) Total project costs: Total hard costs: Total infrastructure costs:

