





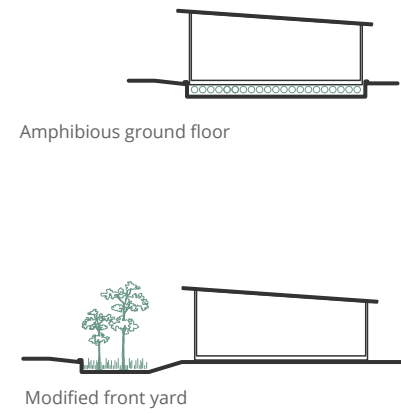
# RESILIENT HÈM-SCAPE

RESILIENCE FOR VULNERABLE ALLEYWAY HOUSING IN SAIGON

## DIAGRAM OF DESIGN PROPOSAL FOR DIFFERENT CONDITIONS

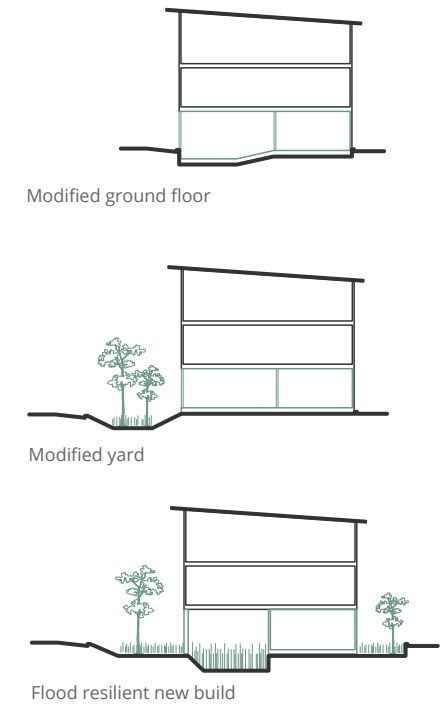
### SHORT TERM: 1-2 YEARS

Short-term solutions include modifications to existing homes at the highest level of risk. Existing homes have the potential to use flood-adaptive systems and soft infrastructure within their yards to reduce the impacts of flooding.



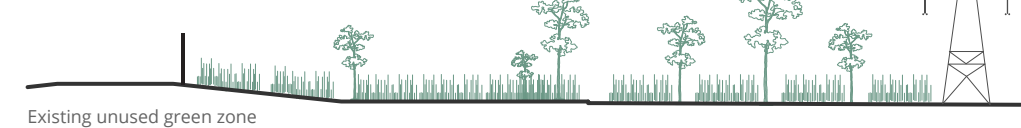
### LONG TERM: 5-10 YEARS

Long-term solutions include modifications to lower risk homes and resilient strategies applied to new-build homes.



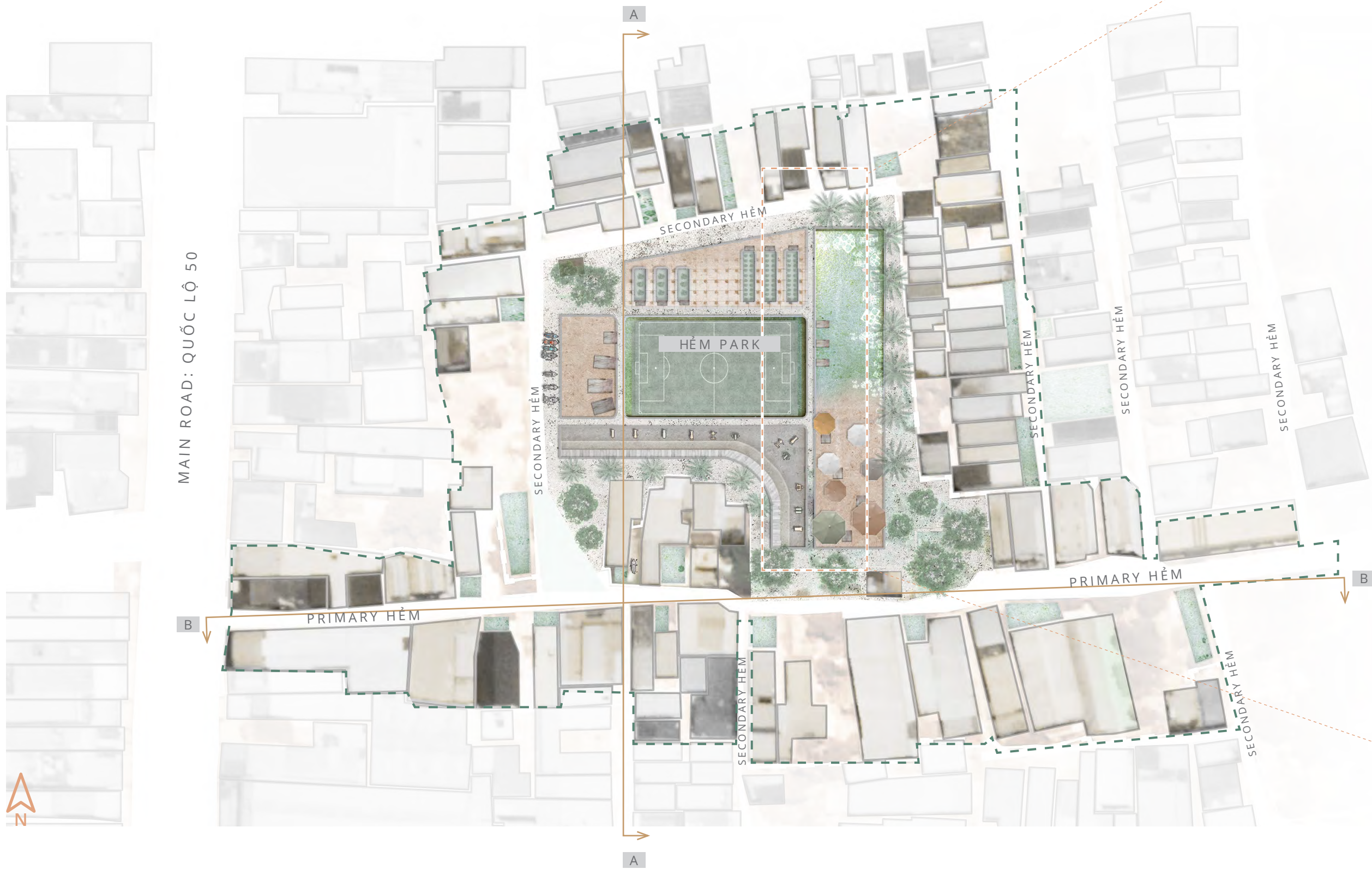
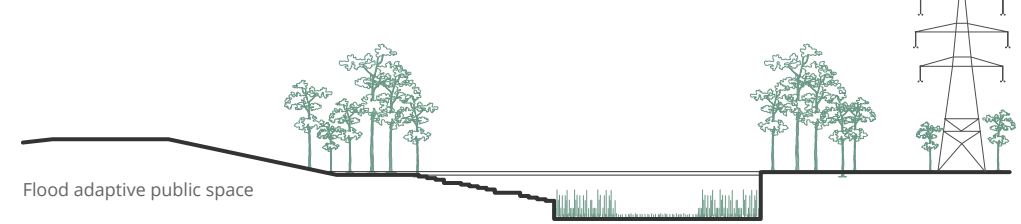
### EXISTING CONDITIONS

Hèm lacks green space and public space and therefore must deal with the urban flood through methodologies that should involve benefits for the community.

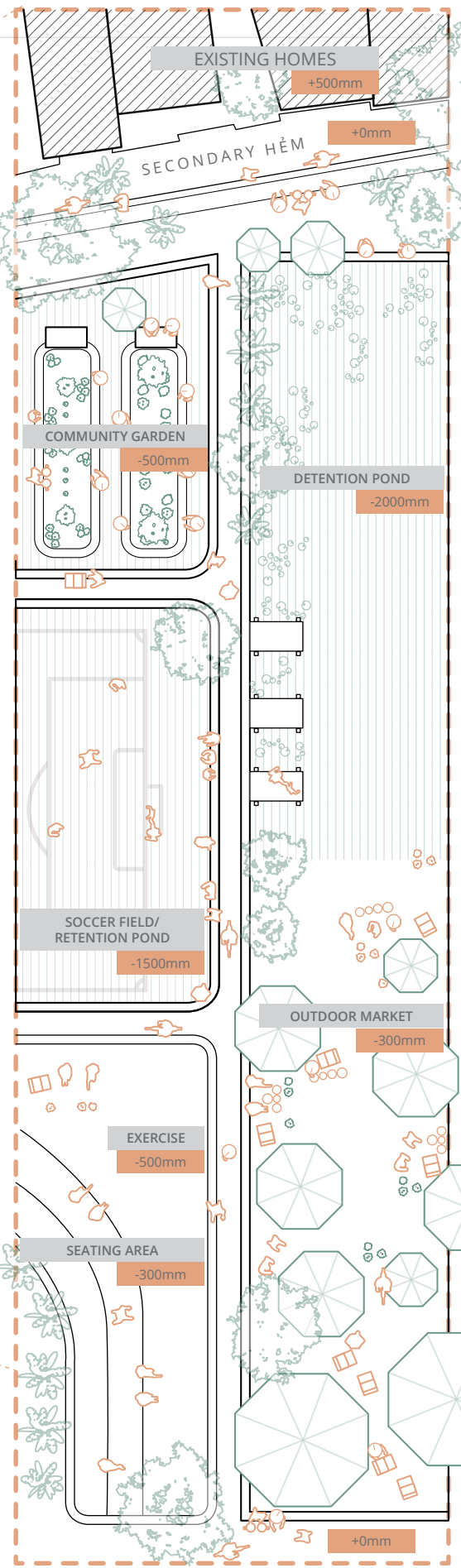


### PERMANENT: 15-20 YEARS

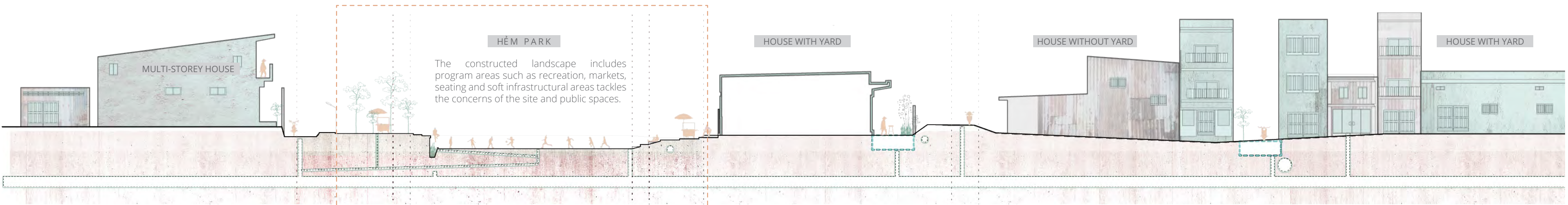
Permanent solutions can be applied to landscaping on the site.



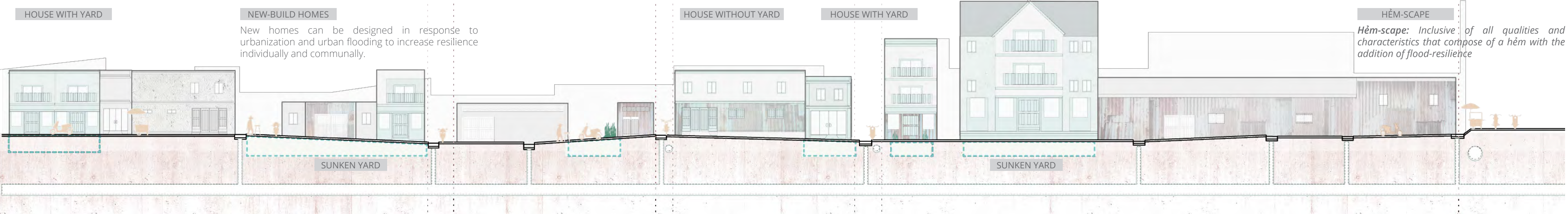
SITE PLAN OF HÈM 1:750



PLAN DETAIL 1:250



A-A SECTION ELEVATION OF HÈM 1:250

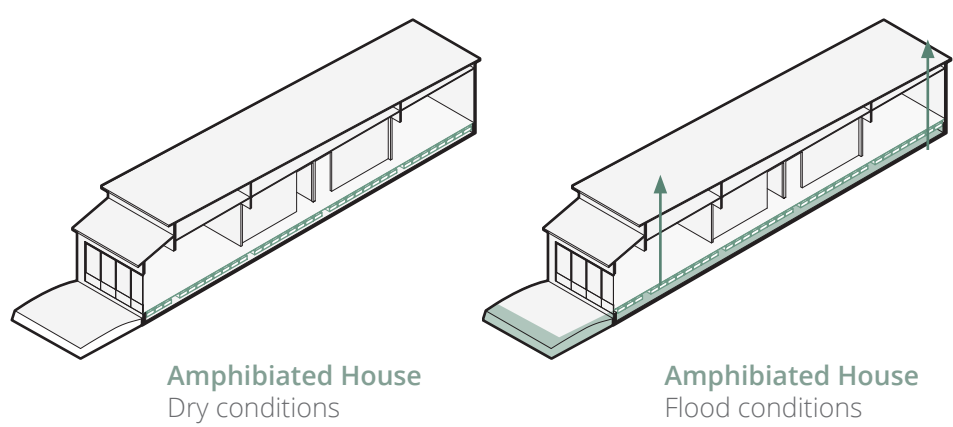
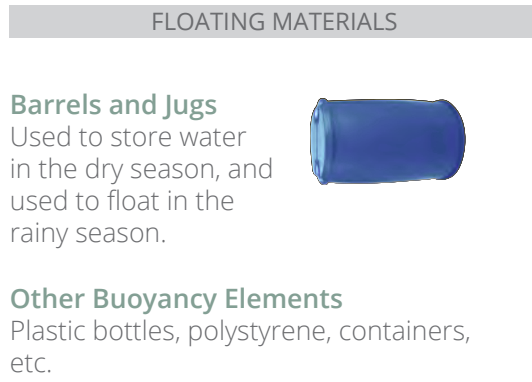
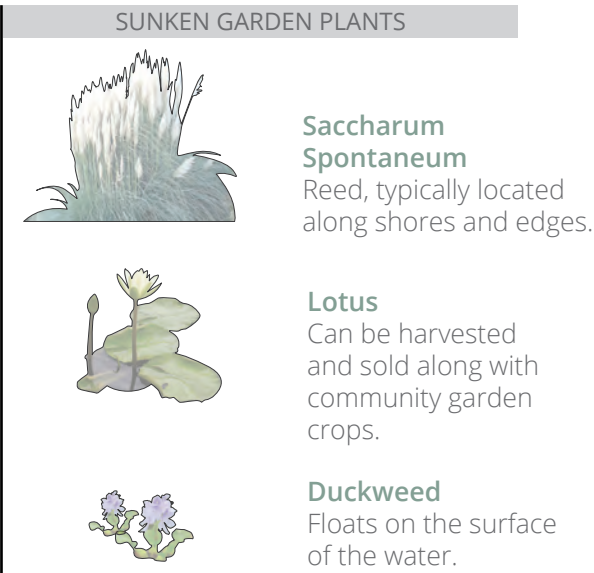
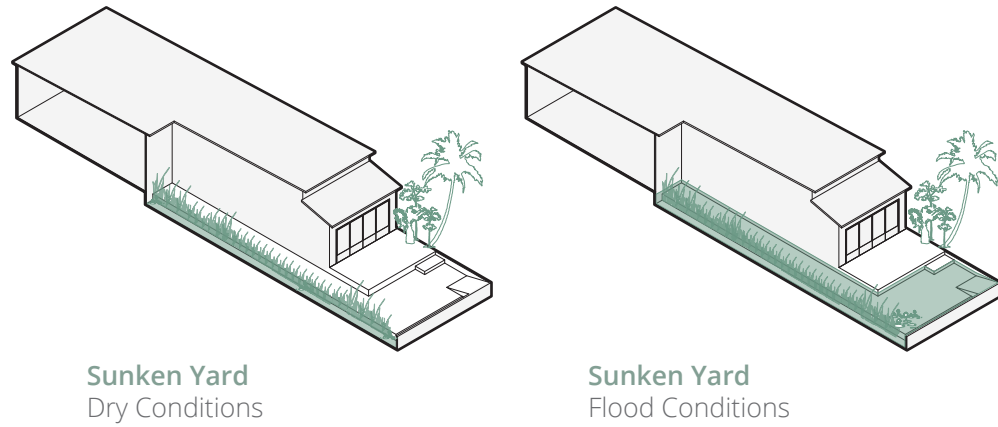


B-B SECTION ELEVATION OF HÈM 1:250

### Flood Retention - Sunken Yards

This design proposes the lowering of the front yard as opposed to raising it. The ground floor has varying elevations to accommodate flood waters at different levels.

Lots should be altered so that they have a lowered area to temporary store rain water, relieving the stormwater system from being over-capacitated.



### Resisting the Competition for Higher Ground through Amphibiation

Homeowners currently believe that they should raise the ground floor and their front yard several metres above the road to resist the flooding. Existing homes can be retrofitted with floating elements to float when water levels increase. Floors will be designed to lift when water levels increase to protect the ground level from damage and reduce inconvenience for residents.



SECTION PERSPECTIVE OF RESILIENT HOUSES 1:50