

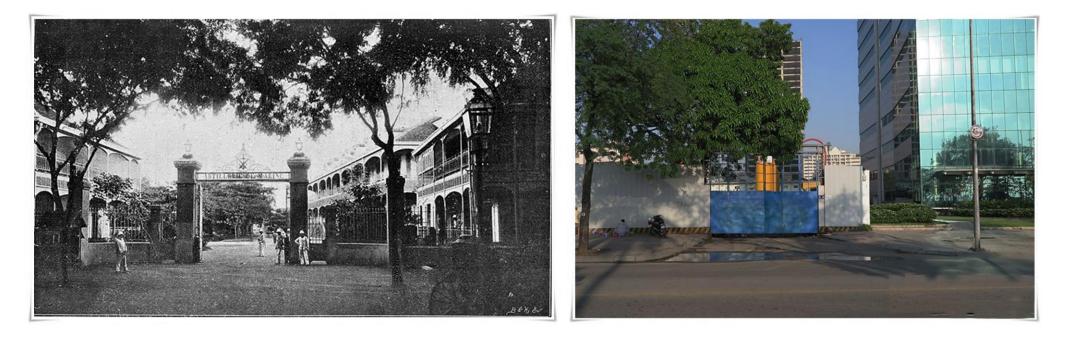




**BEFORE** Water transportation **AFTER** Filled in canals and build more road .



BEFORE Small Vehicle AFTER Auto-Oriented



**BEFORE** Traditional Gable Roof **AFTER** High-rise building

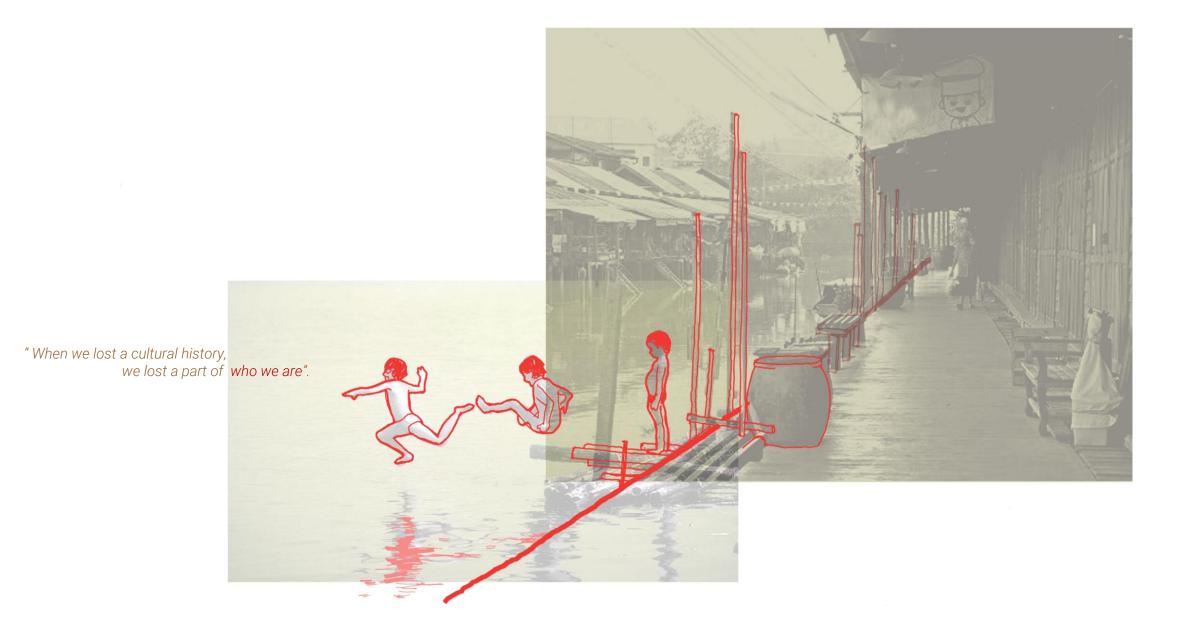


BEFORE Low houses city with access to water front

**AFTER** Skyscraper city with fence along the river



**BEFORE** Human Interaction in the city **AFTER** Car Interaction in the city

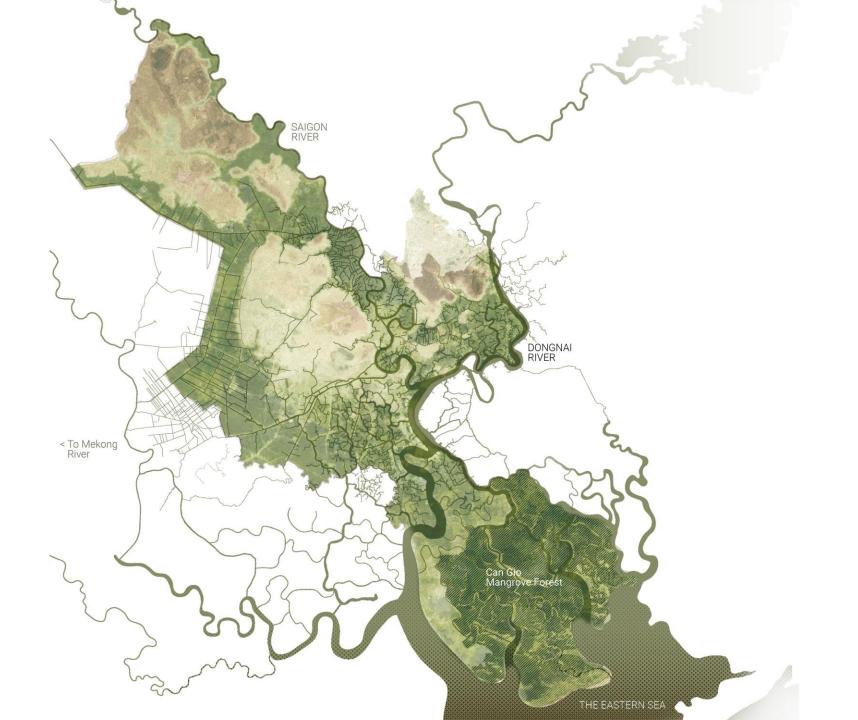


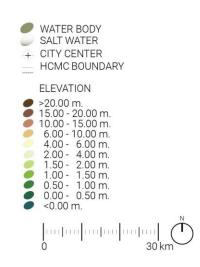
SITE-LOCATION REGIONAL SCALE







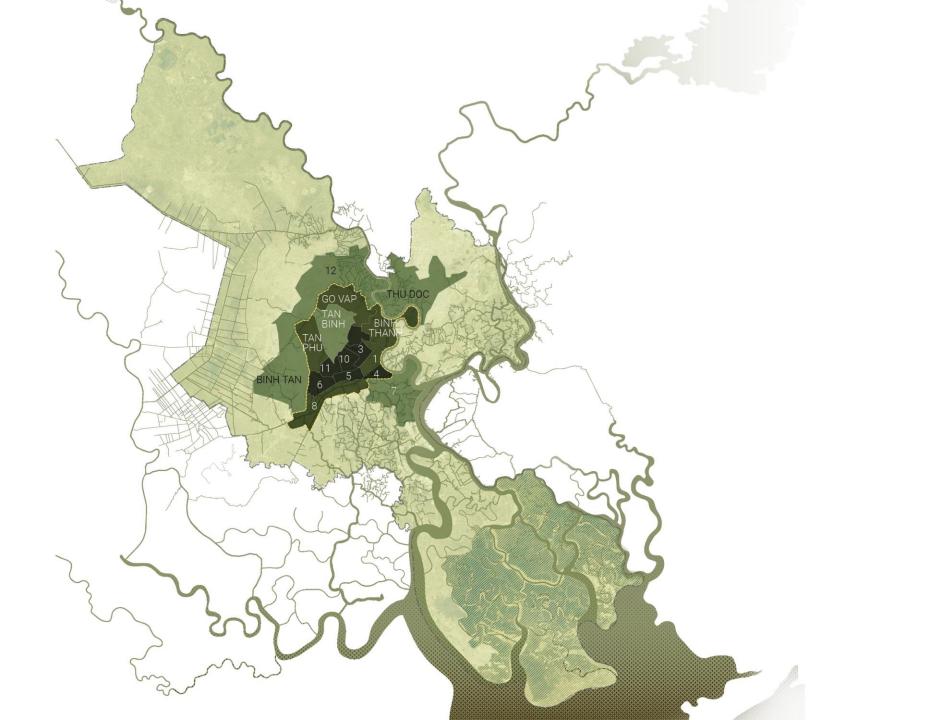




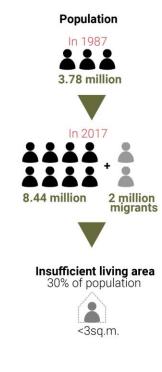


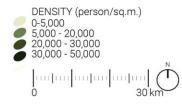












>300,000 PEOPLE LIVES IN THE INFORMAL SETTLEMENT

mint

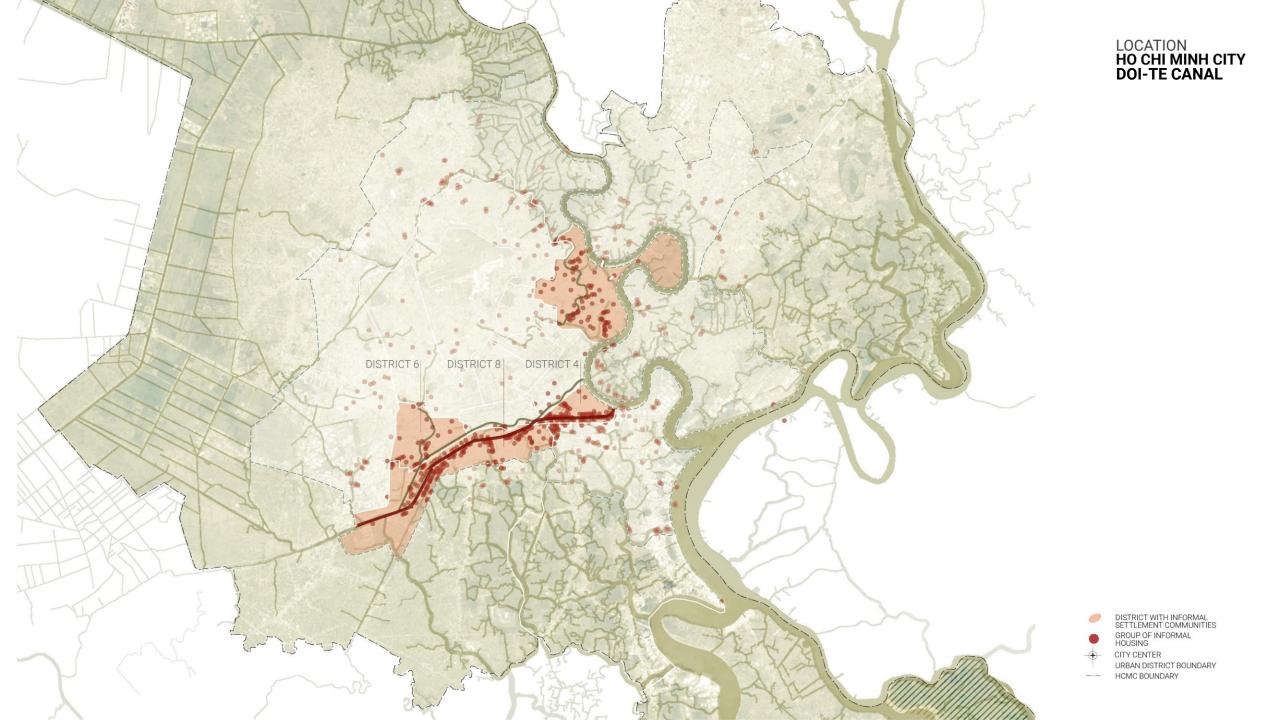
£U)

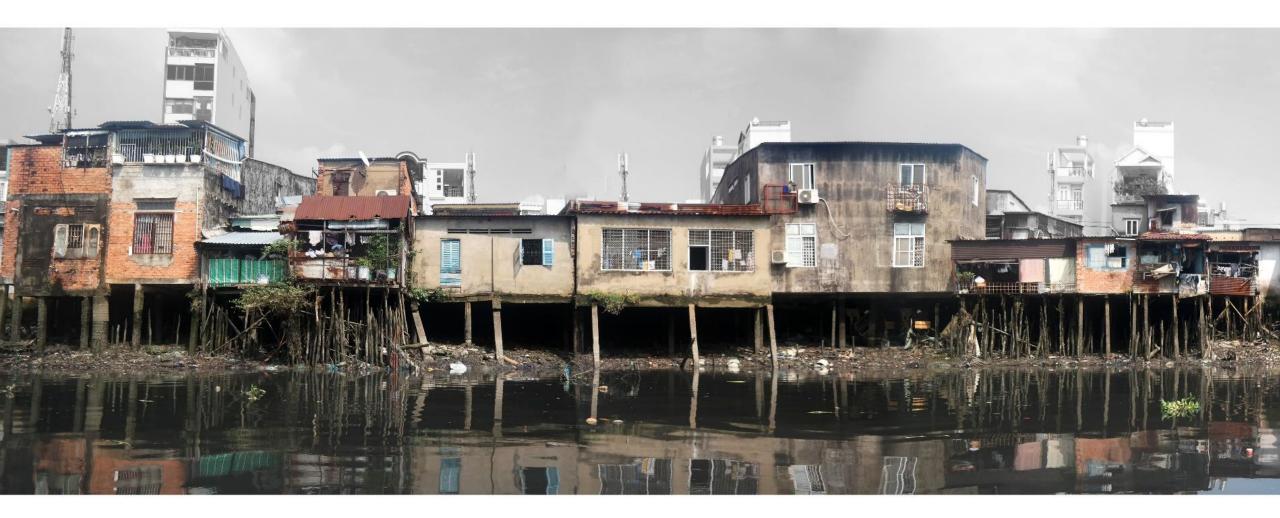
APEROACHING HO-CHIMINH

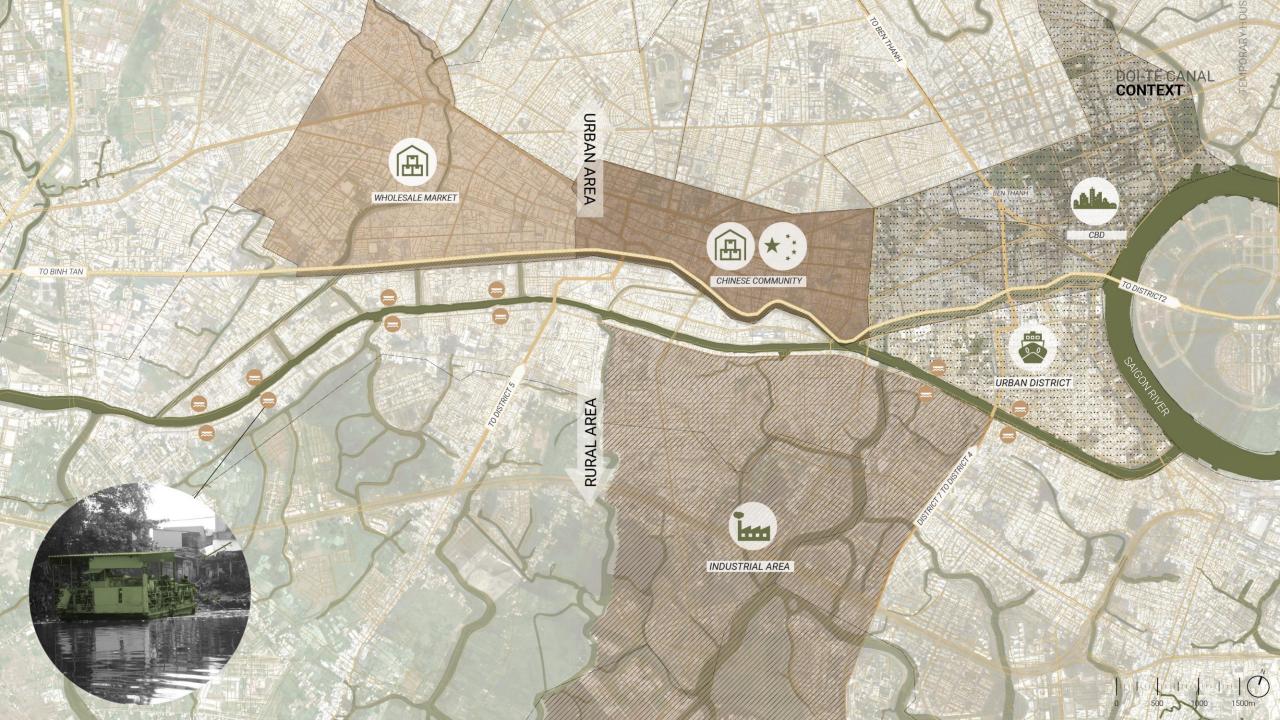
0

44 14 61

EQUAL TO 15-25% OF THE TOTAL REGISTERED HOUSING UNITS







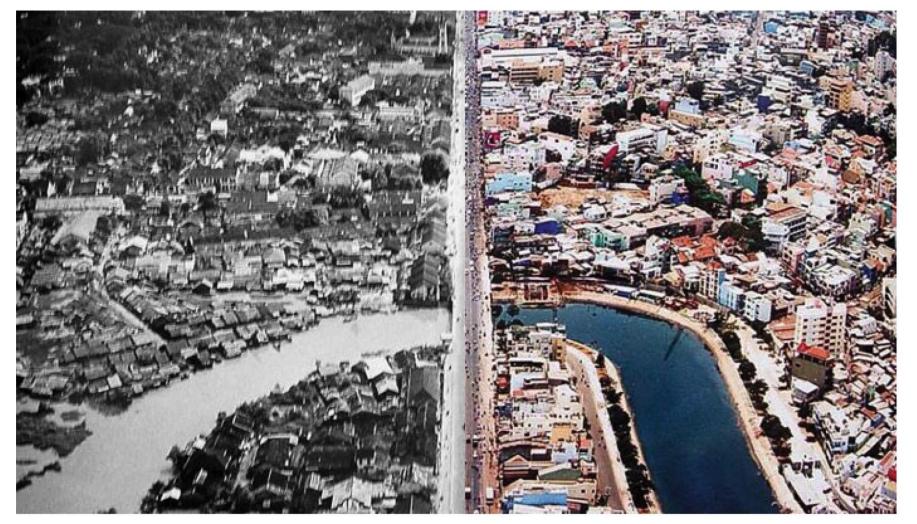
## HO CHI MINH CITY CANAL DEVELOPMENT



Before

After

## HO CHI MINH CITY CANAL DEVELOPMENT



Before - The Pearl of The Far East, living with water city After - Bussiness town of Vietnam future of canal



What row can the informal settlement be **integrated into the city**?

How is the **architectonic design** functioned **as part of the landscape architectural system**?

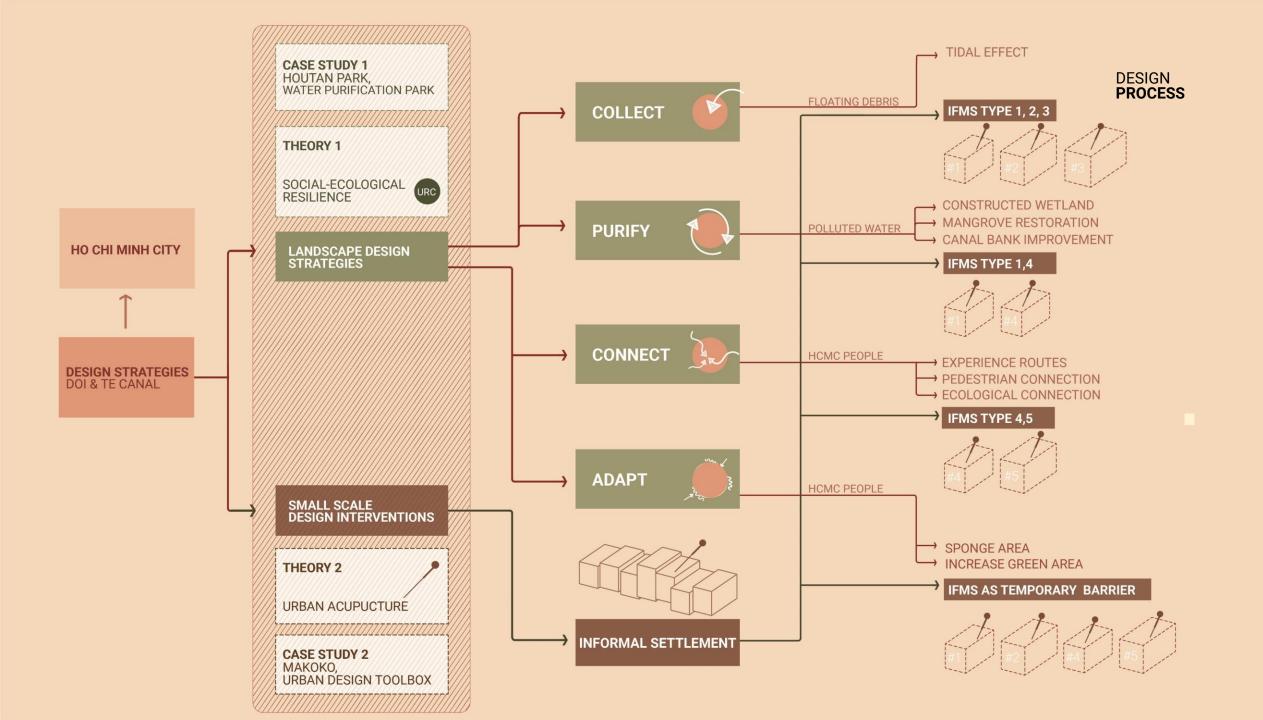
How can the design **constitute the social-ecological resilience** condition to the environment of Ho Chi Minh City?

11

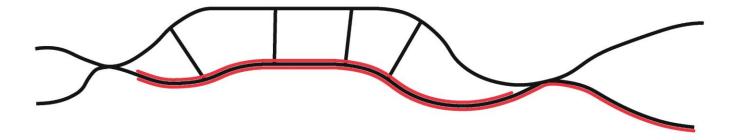
How to redefine a zone of informal settlments as an opportunity to the city and the environment for Ho Chi Minh City through landscape architectonic interventions ?

> How is the design strategy enhancing the cultural value of "life with water " back to the city?

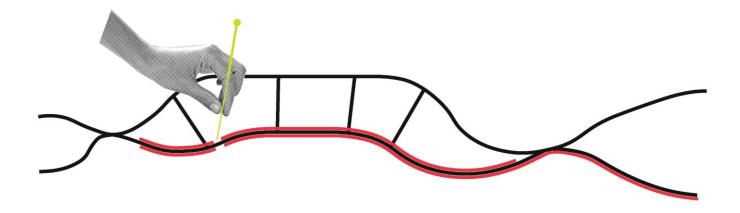
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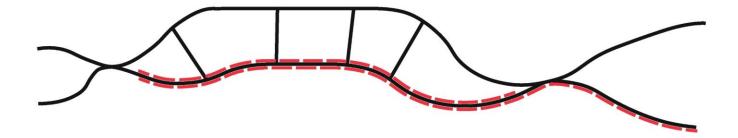




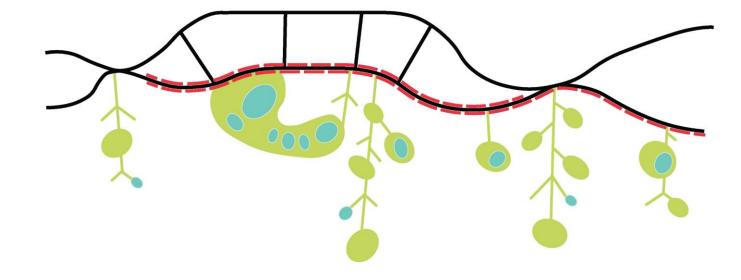




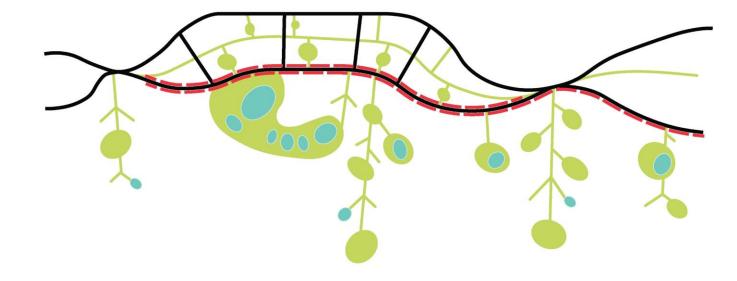




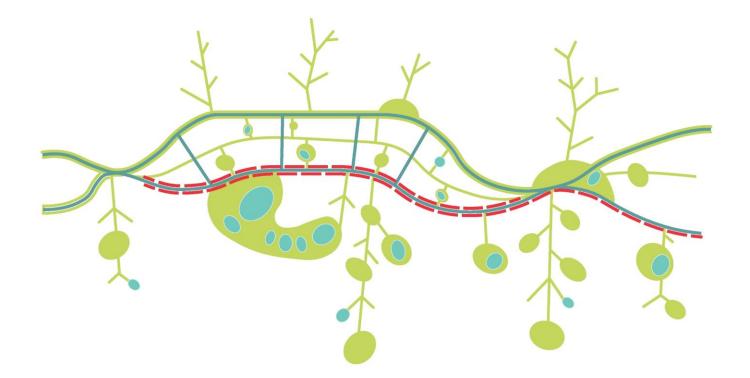








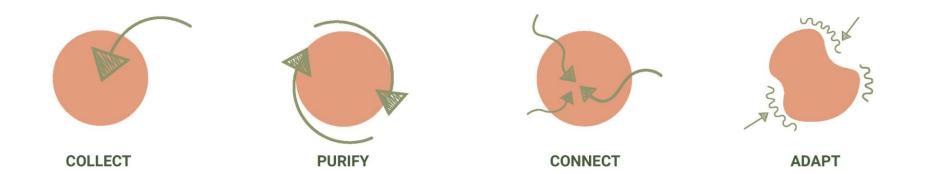




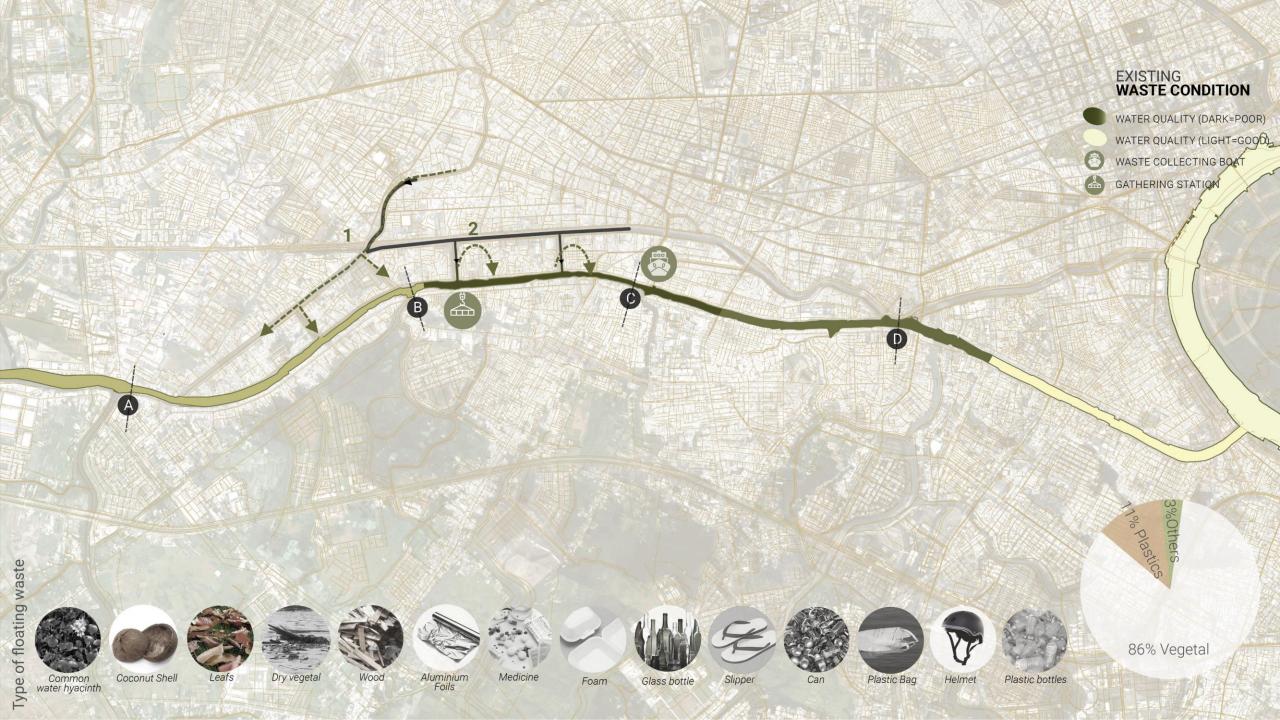
" RESPIRATORY SYSTEM "







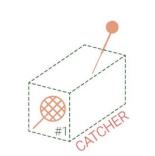




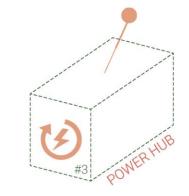
COLLECT STRATEGY

## PRODUCT

DESIGN INTERVENTION

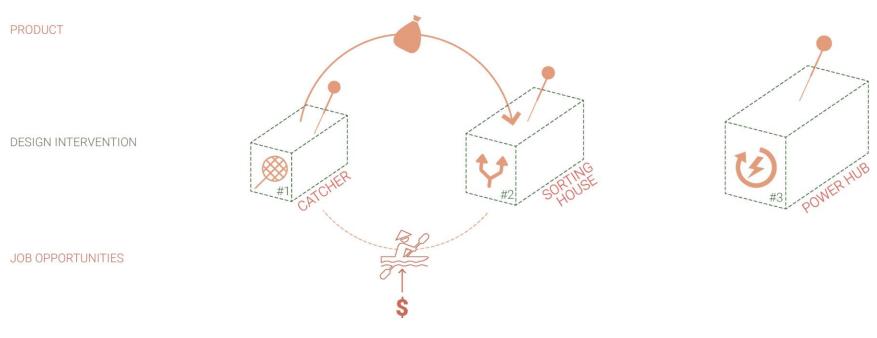




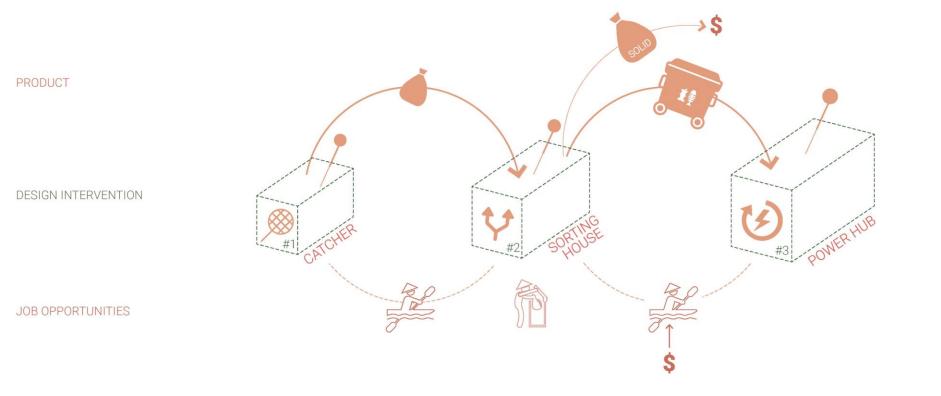


JOB OPPORTUNITIES

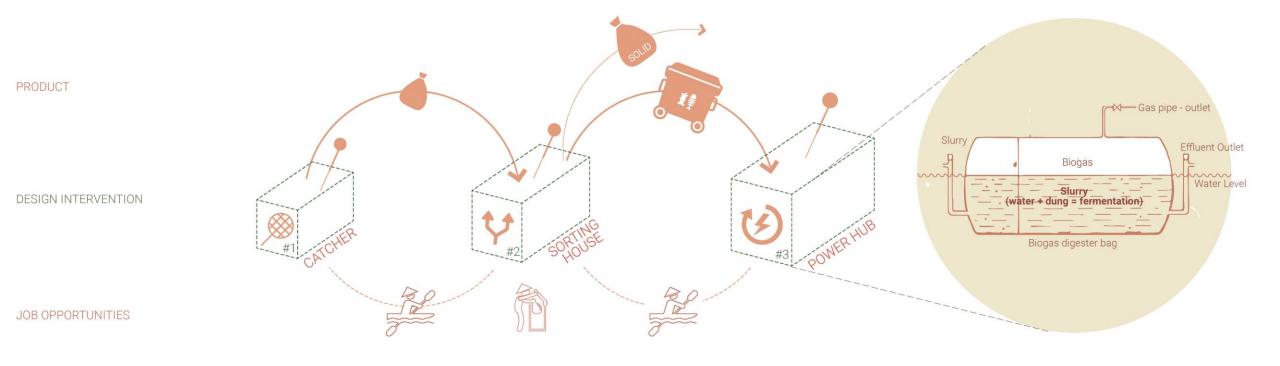
COLLECT STRATEGY



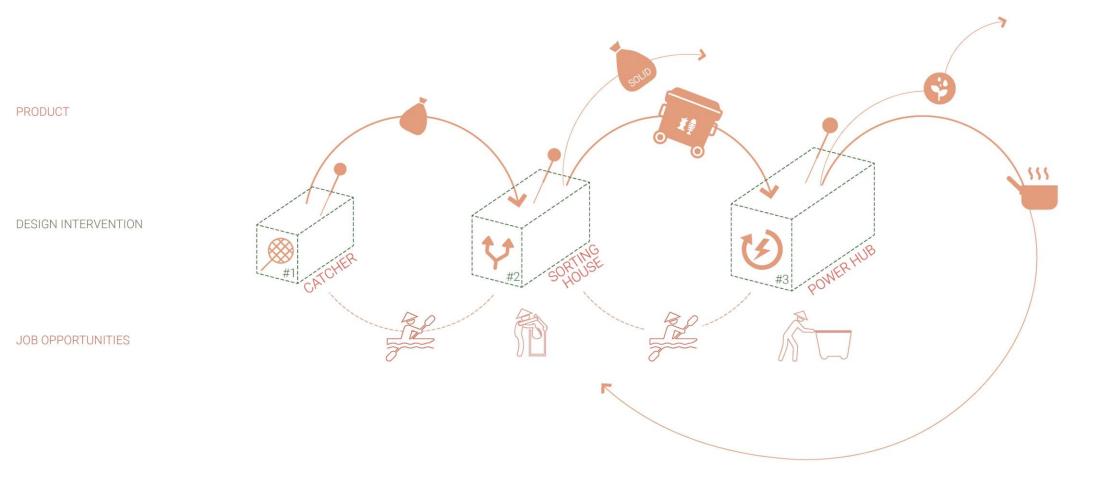
COLLECT STRATEGY











#### INFORMAL HOUSE EXISTING CONDITION

UNSTABLE STRUCTURE

MANY COLUMNS WITH UNSTABLE

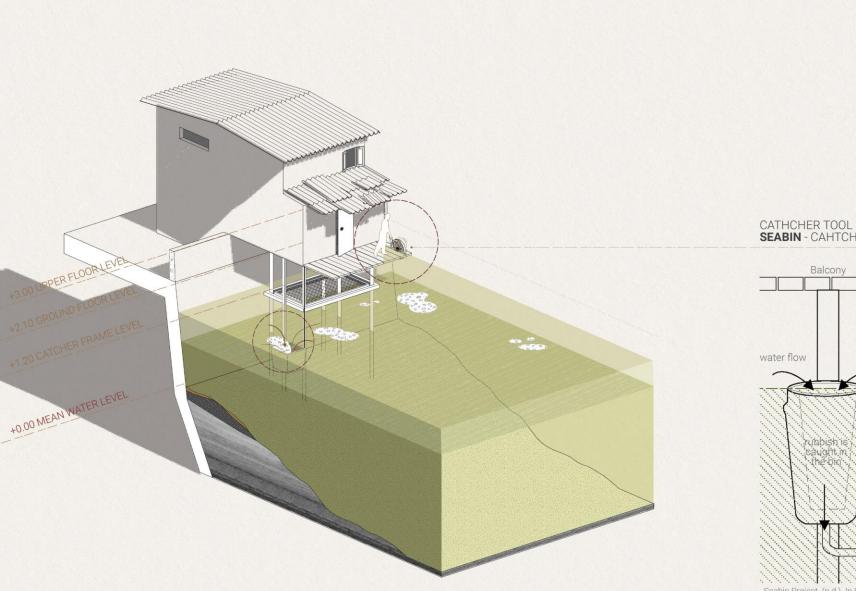
#### COLUMN STOPPED AT SOFT CLAY LAYER

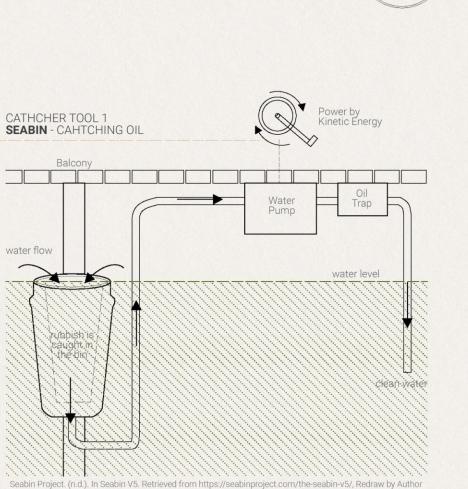
CREATES MORE SEDIMENTATION

UNSTABLE SUPPORT BASE

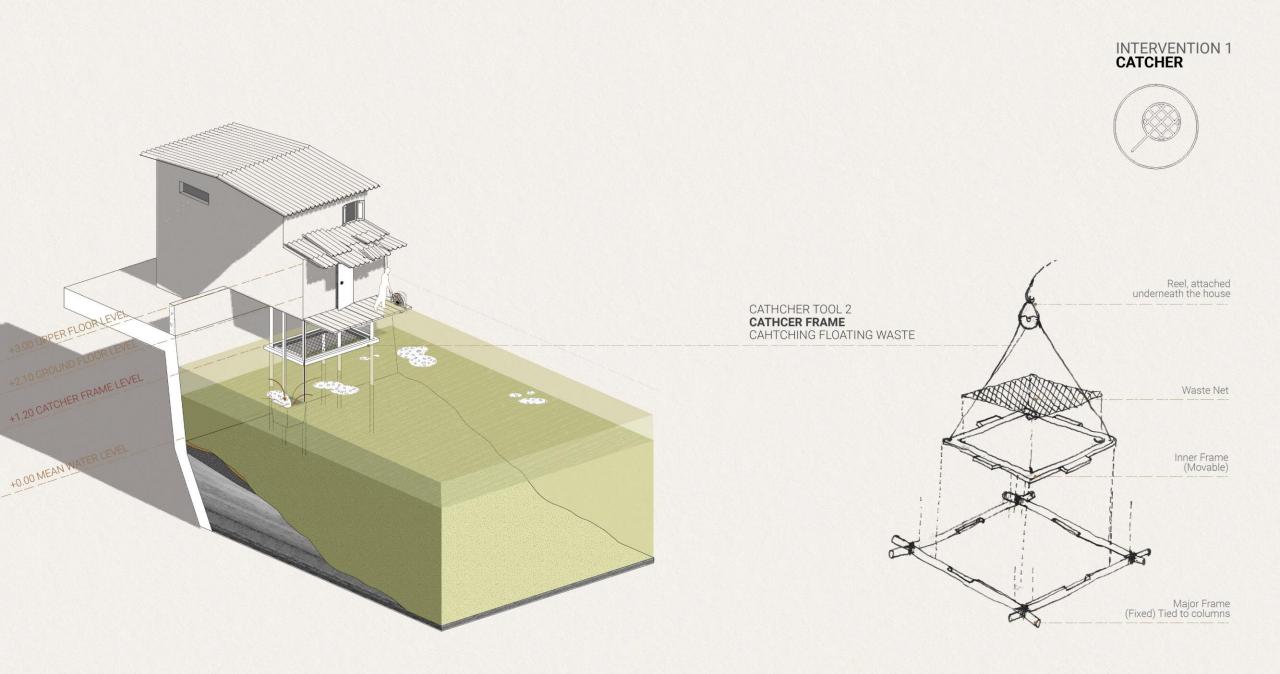








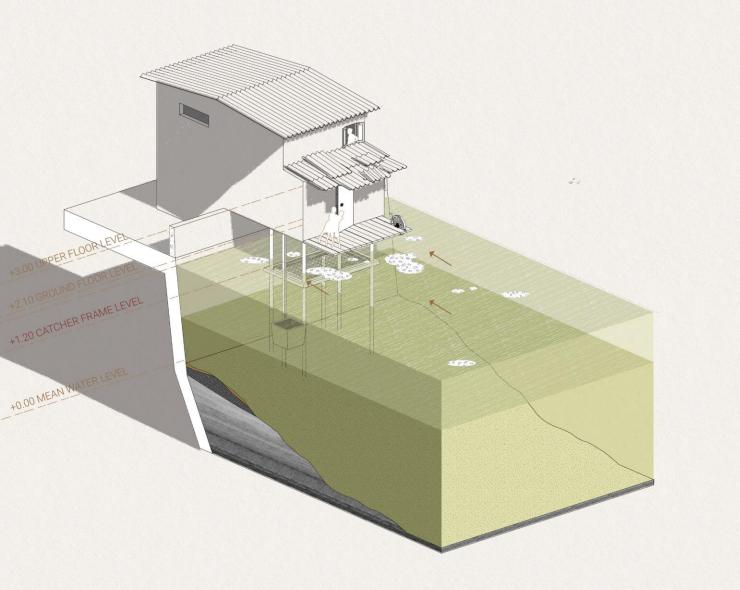
INTERVENTION 1 CATCHER

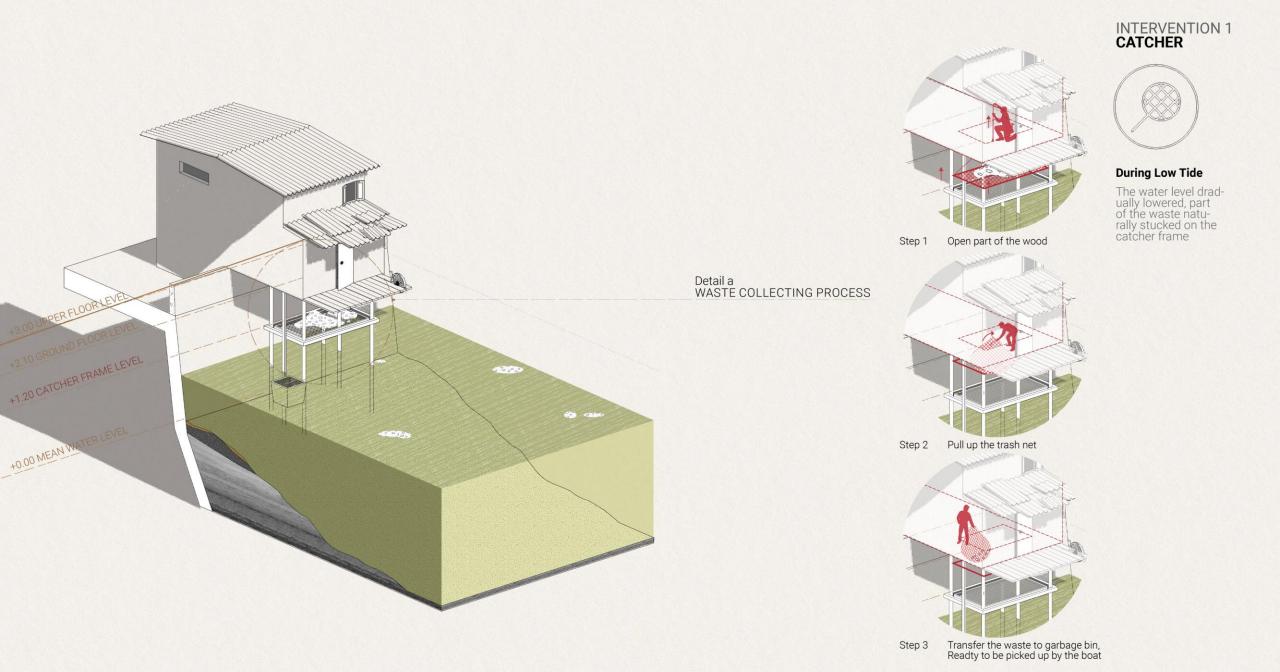




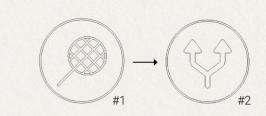
#### **During High Tide**

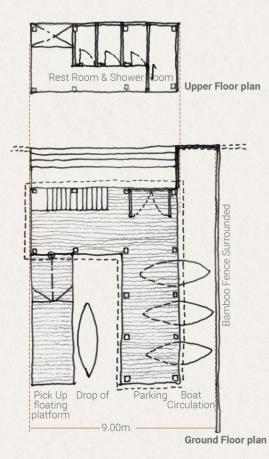
The floating waste is moving all over canal surface, and most of them remains underneath the house due to the obstruction from the columns

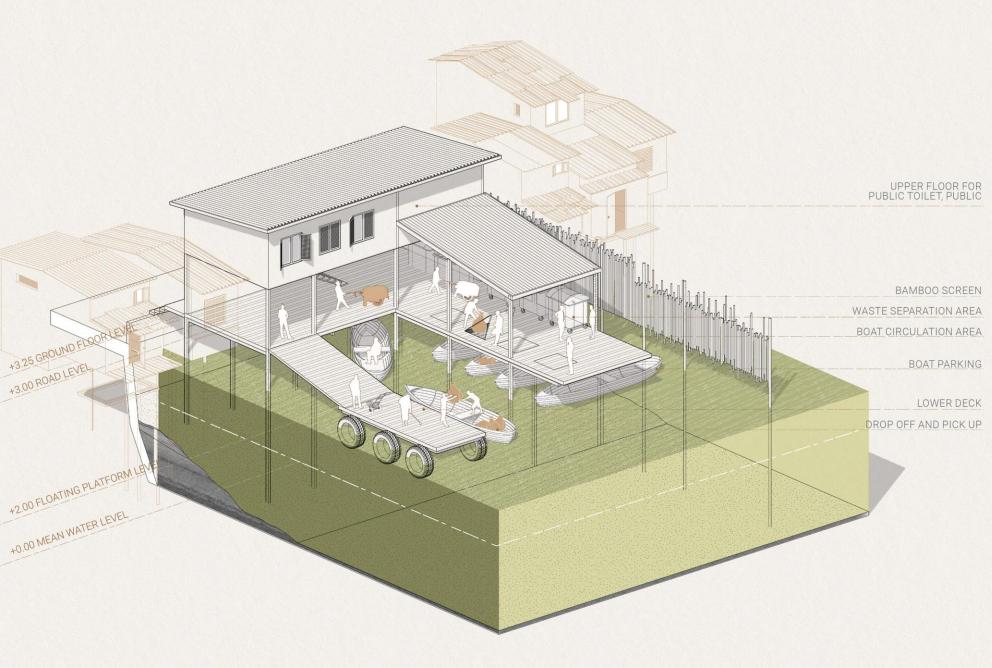


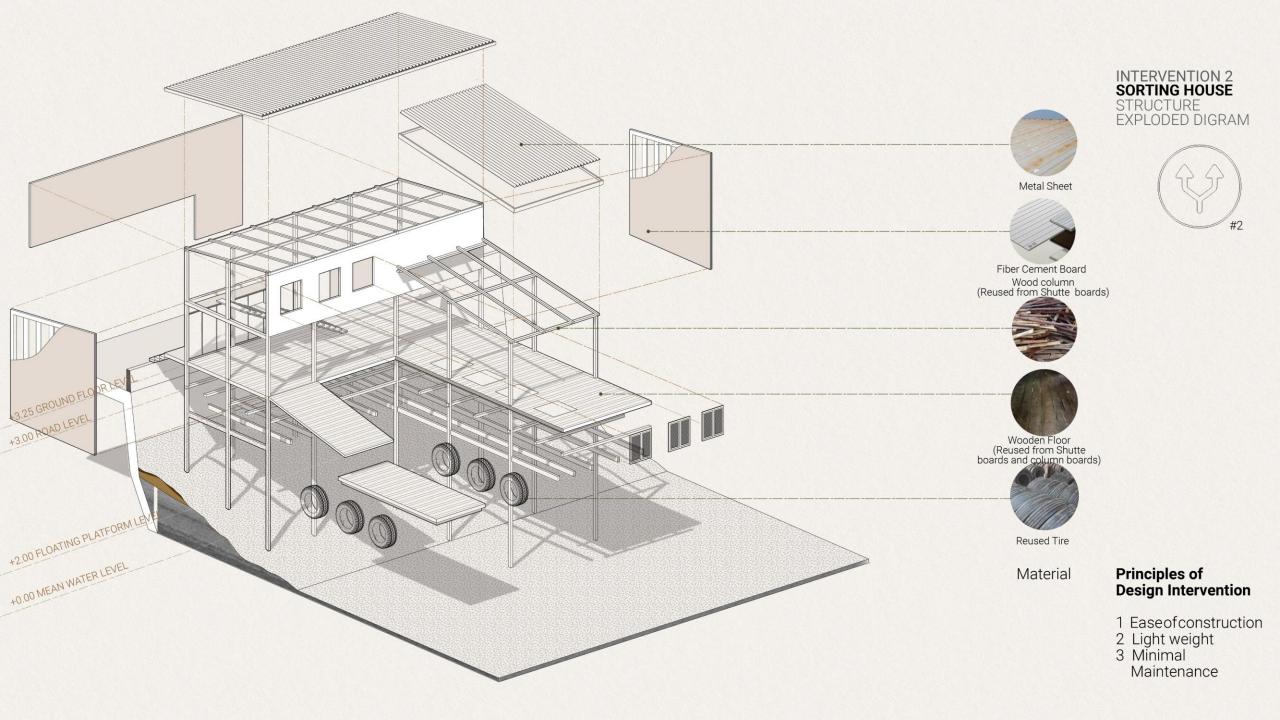


# INTERVENTION 2 SORTING HOUSE

















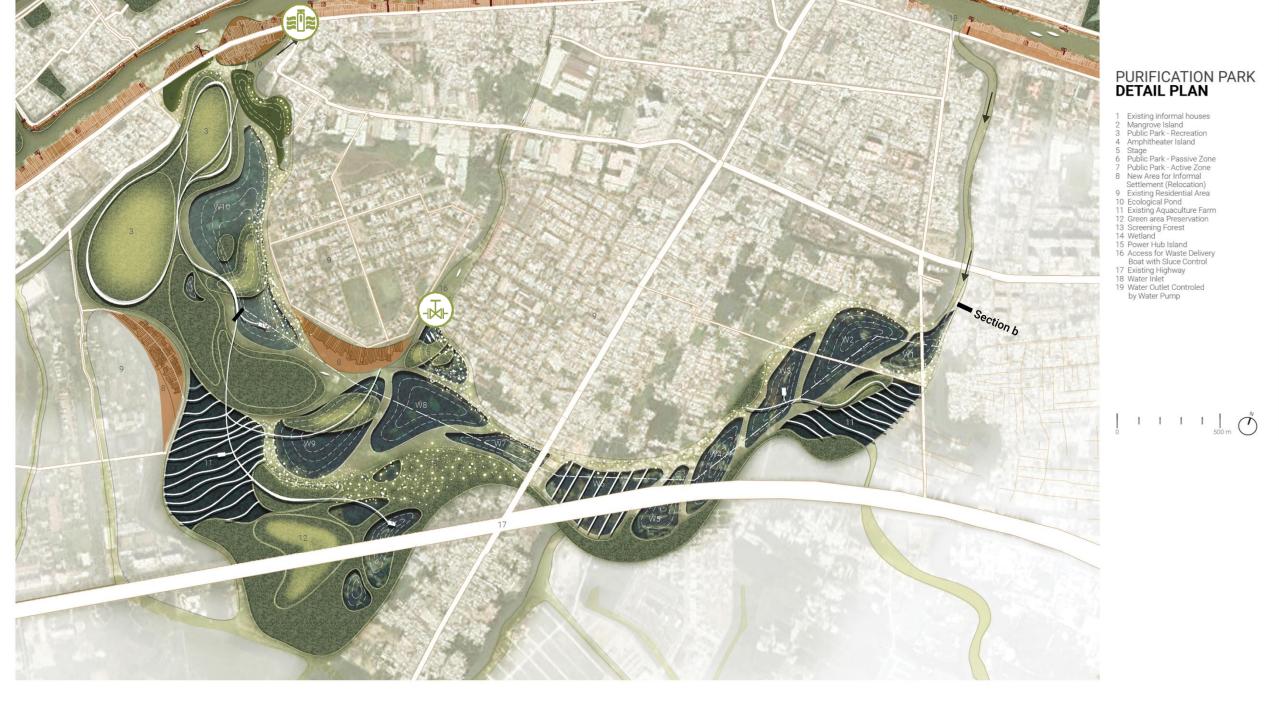


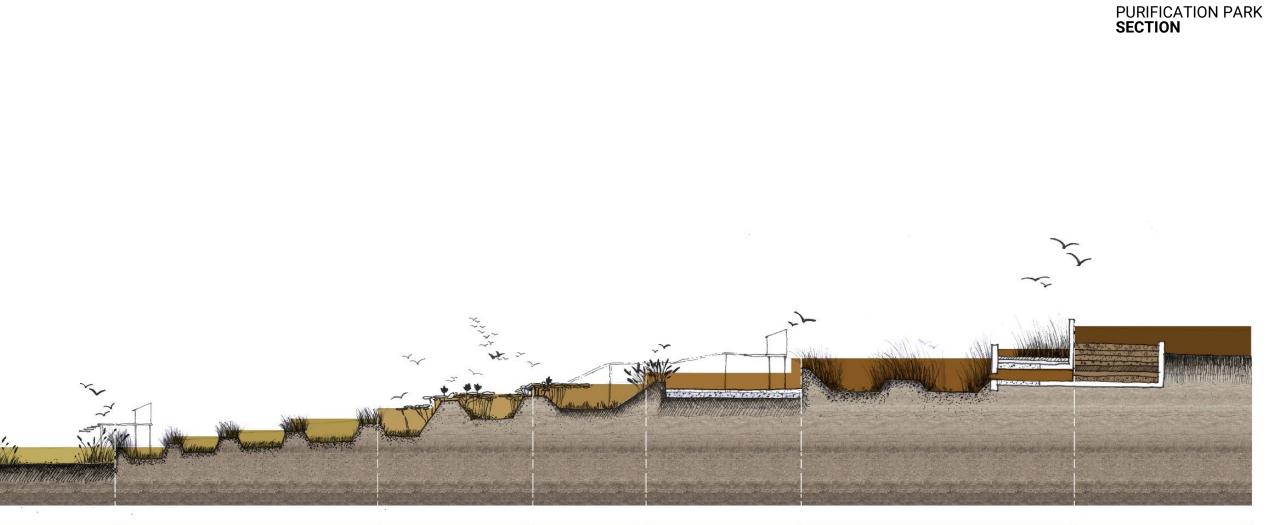
-

DELAY









y Stabilization and Control Oxygenation Terrace and Biological Purification Pathogen Removal Heavy Metal Removal Sub Surface Filtration Terrace for Aeration and Bio-Purification Water Intake and Screening

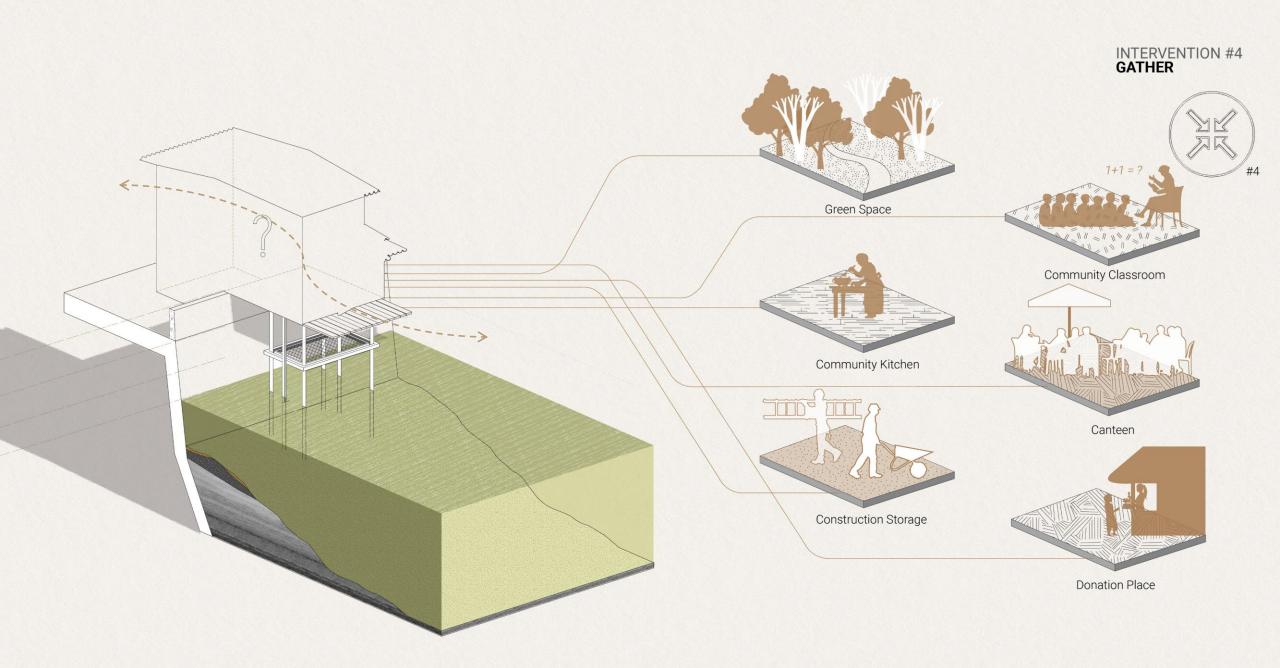
0 0 0 0 0 0 0 0 . Frederika in state of the sta weener all and the second second - B -- B à 6 · · · Water Qaulity Stabilization and Control To Pump House Clean Water Final Polishing Sand Filter Overflow to The Canal Strorm Drainage Pipe

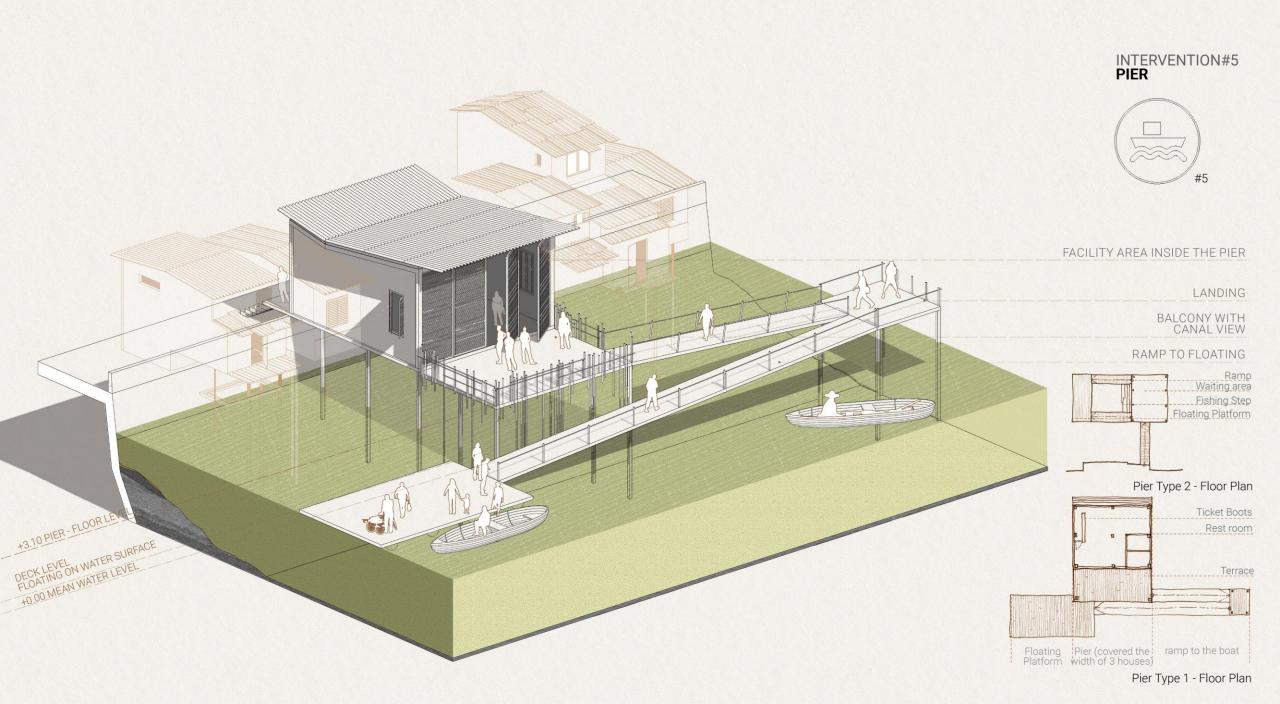
PURIFICATION PARK SECTION



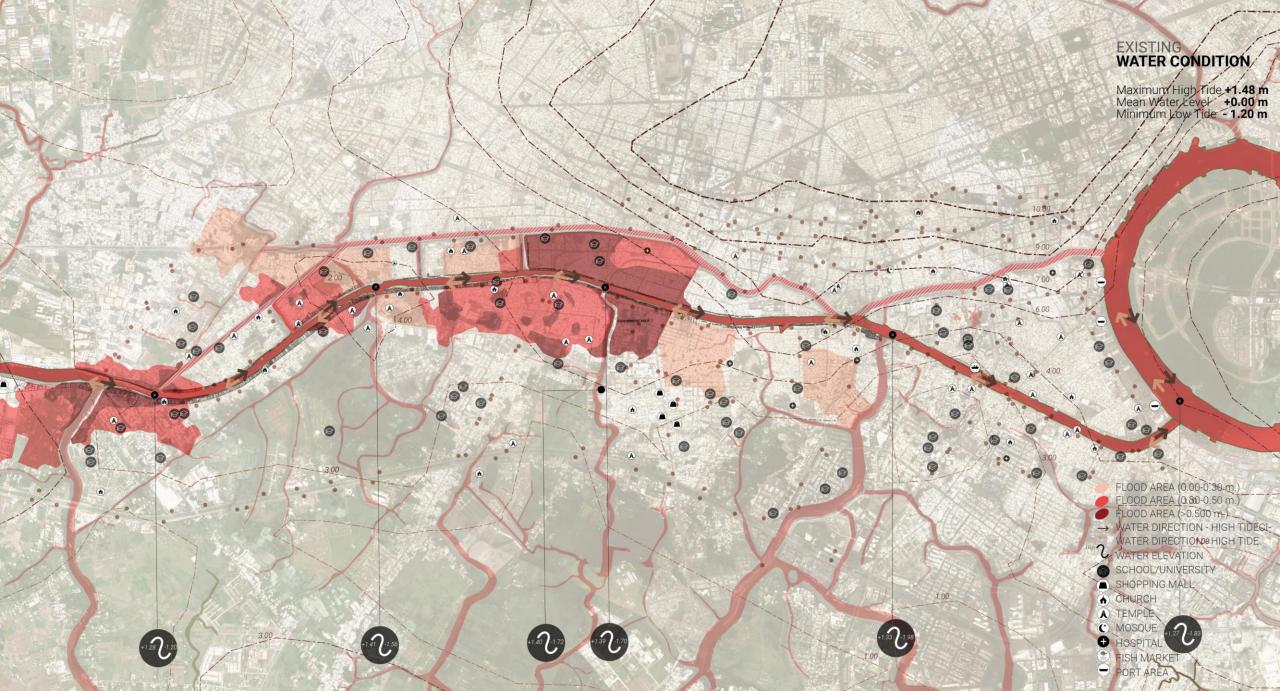














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**FROM TOTAL AREA** 4,826,000 sq.m. (14.82%) TOTAL AREA 38,400,000 sq.m. (100%)

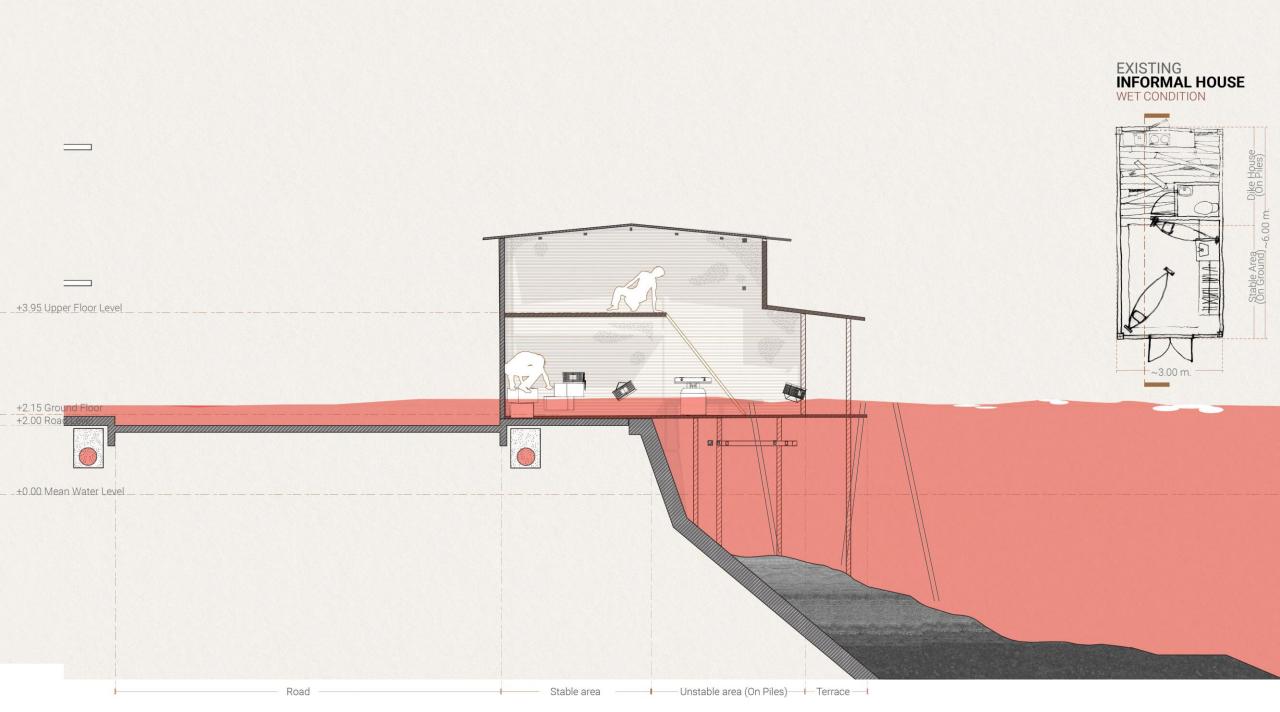
GREEN AREA

14%

ADAPT SPONGE AREA DRY CONDITION













Name : **Joe** Age : 23 Nationality : Vietnam Career : Part time Tour Guide

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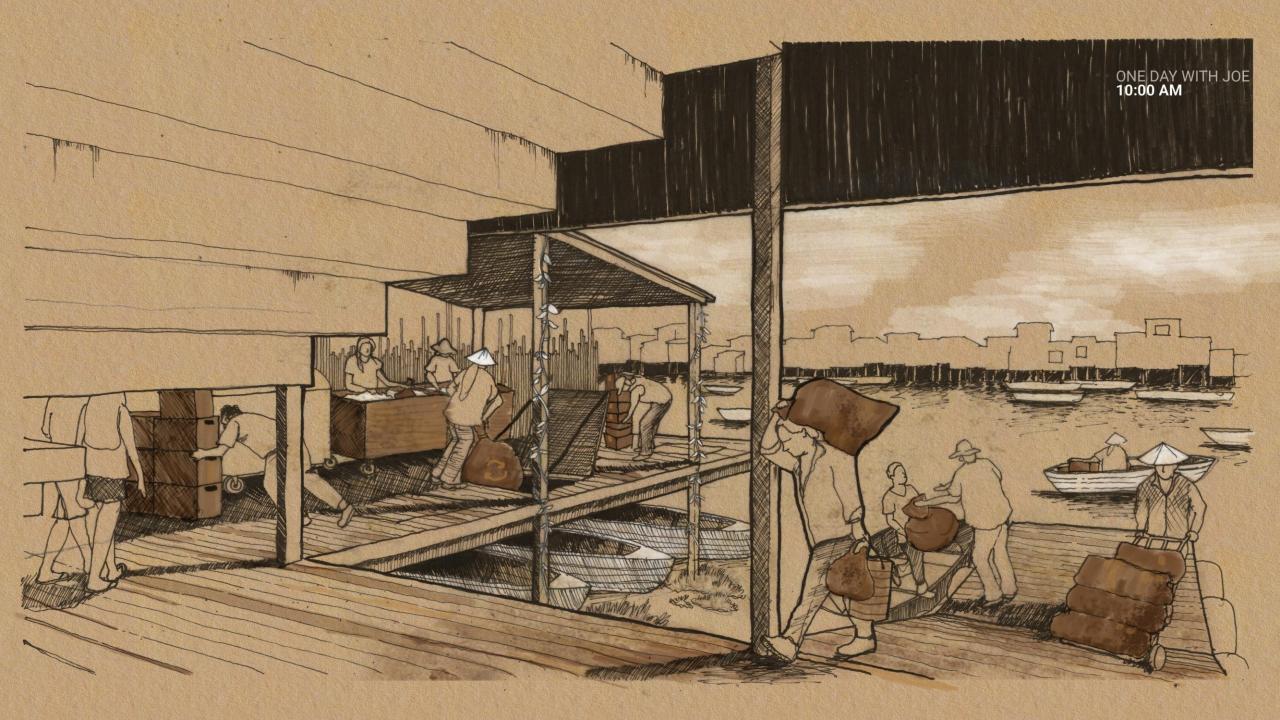
Joe's Place

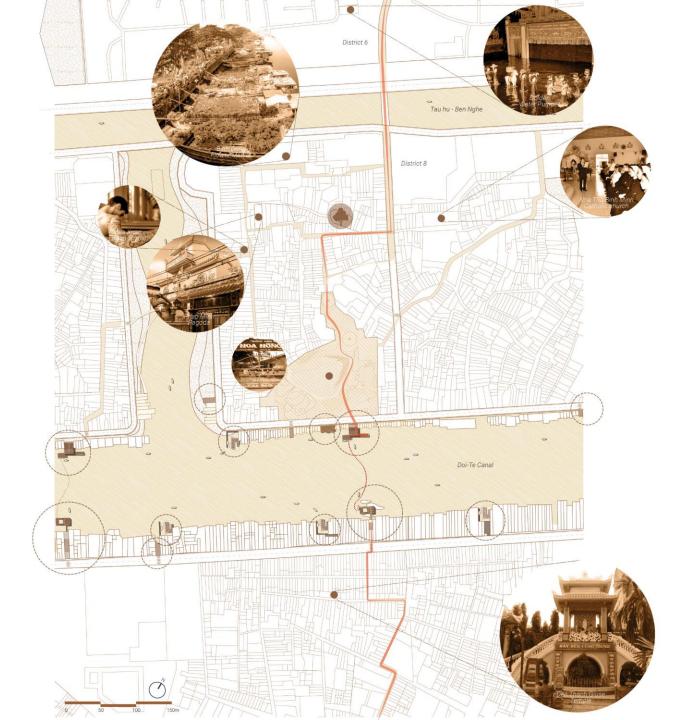


# ONE DAY WITH JOE 8:00 AM



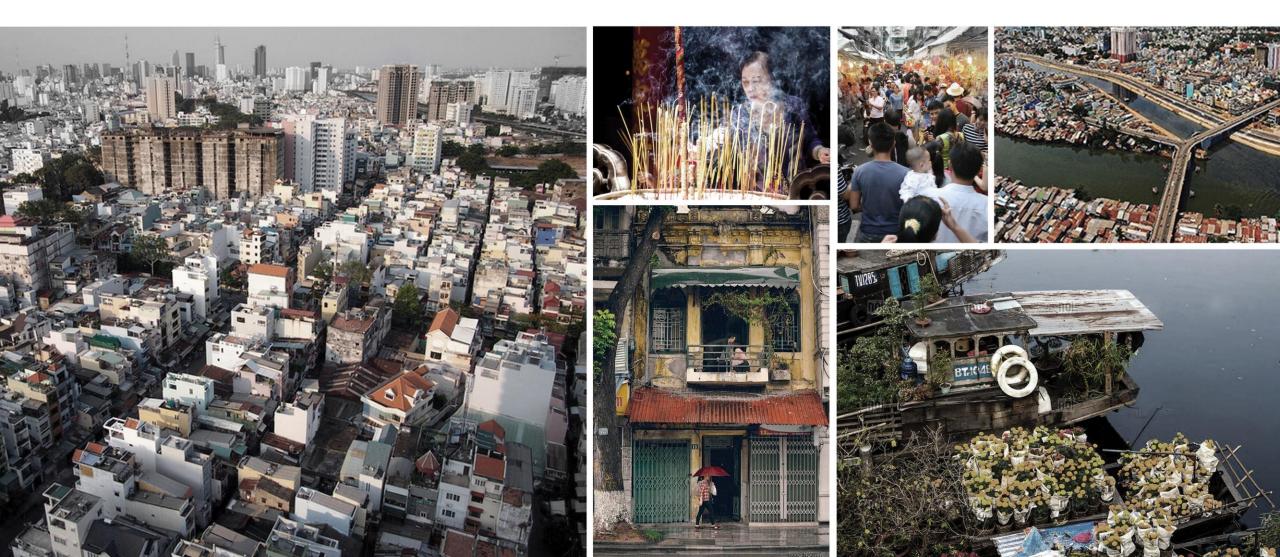
# ONE DAY WITH JOE 8:30 AM



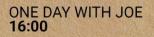


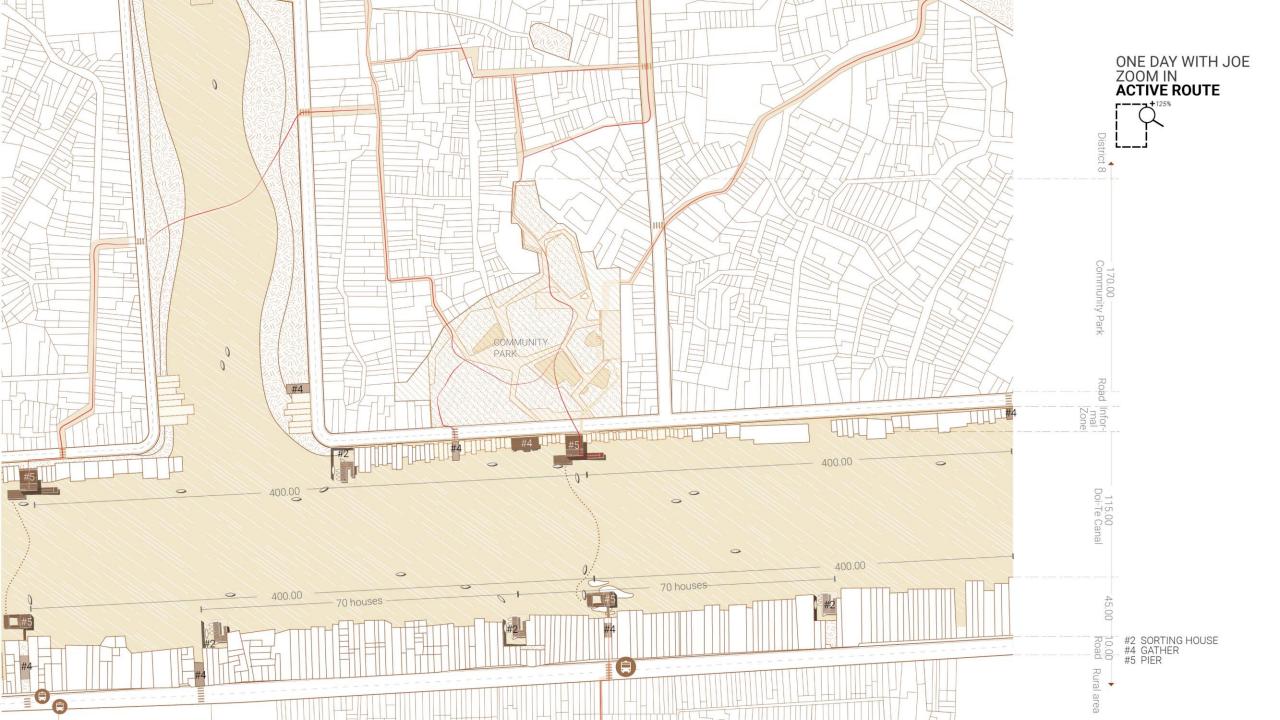














## ONE DAY WITH JOE ZOOM IN COMMUNITY PARK



- North Entrance
   Football field/ Baseketball field
   Sport field 2 Open Lawn
   Main Facility Building
   Sunken Court
   Amphitheater
   Parking Space
   Playground
   Foot Massage Area
   Activity Space
   Flower Field
   Chest Tables
   Community Farming
   Public Plaza
   Flea Market Area
   Motorcycle Parking
   Loop Sepak Takraw Area
   Exercise zone
   Old brick pathway
   Spirit house

- a Pier (Intervention #5)
  b Gather Public Terrace (Intervention #4)
  c Sorting House (Intervention #2)
  d Proposed Dike House
  e Green Bank

- Entrance





## ONE DAY WITH JOE PLANTING PLAN COMMUNITY PARK



Scientific Name: Barringto-nia Acutangula (L.) Gaertn. Height : 5.00 - 15.00 m.

00

Shading Trees Medium Size with Flowers



Scientific Name: Mayo-dendron igneum (Kurz) Height : 6.00 - 15.00 m.

Screening/Fencing Trees Edible Trees







Shading Trees Medium Size





Scientific Name: Dol-ichandrone serrulate (Wall. ex DC.) Seem Height : 10.00 - 15.00 m.

Scientific Name : Cocos nucifera Height : 10.00 - 30.00 m. Scientific Name : Ravenala Height : 10.00 - 30.00 m. Scientific Name : Mangif-era indica Height : 6.00 - 20.00 m. Height : 8.00 - 15.00 m.

Scientific Name : Tamarindus indica L.Height : 15.00 - 25.00 m.



Scientific Name: Terminalia catappaHeight: 8.00 - 25.00



Scientific Name: Aza-dirachta indica Height : 7.00 - 12.00 m. Scientific Name: Maerua Siamensis (Kurz) Pax Height : 5.00 - 10.00 m.



ONE DAY WITH JOE COMMUNITY PARK





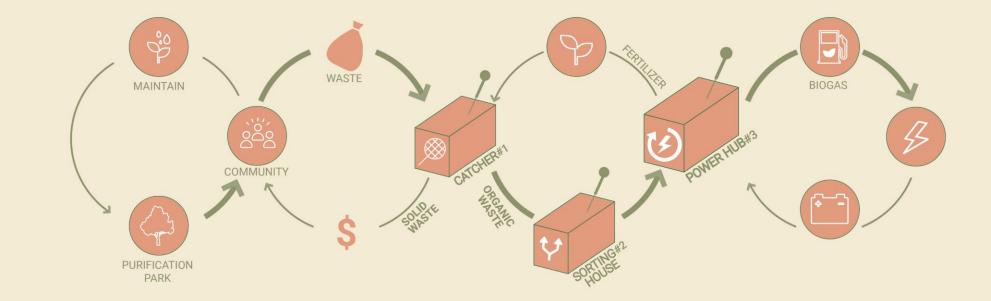




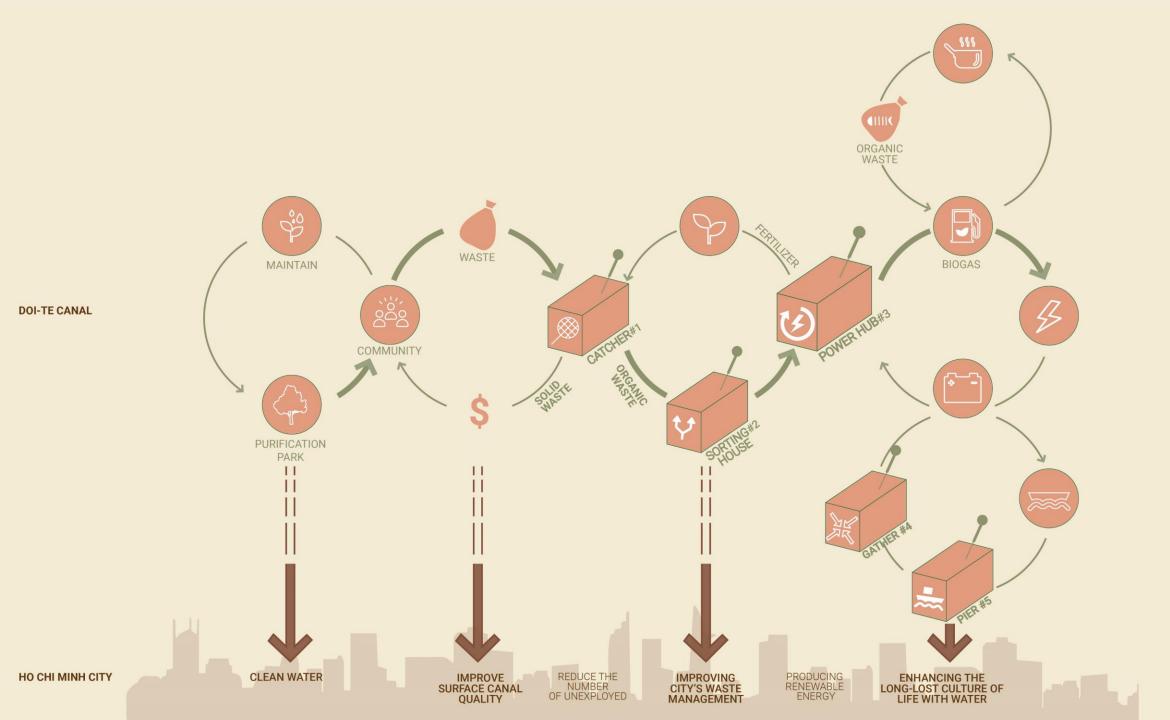








DOI-TE CANAL







Stakeholders

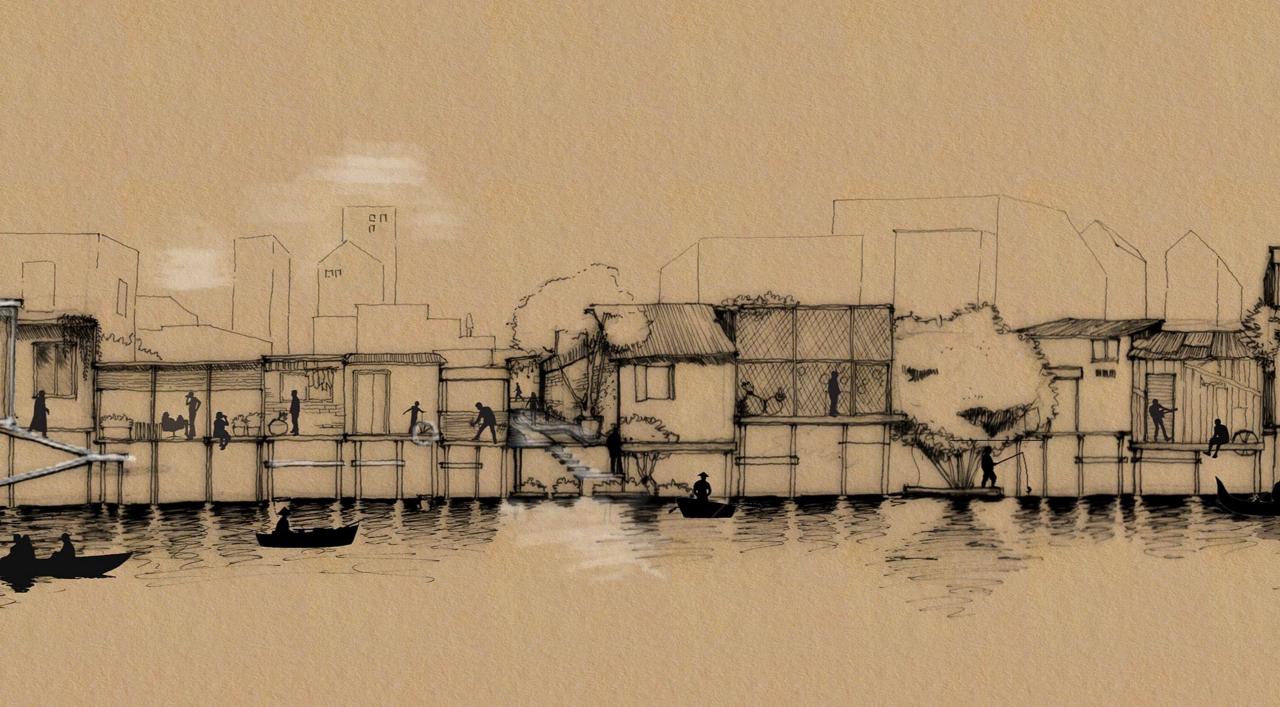
- Government
  - Municipality
- JICA Japan International Cooperation Agency for Water Environmental Improvement in Ho Chi Minh City
- Informal Settlement Community



## HO CHI MINH CITY FUTURE PLAN FOR INFORMAL SETTLEMENT & CANALS

Discussion for future development

- •
- Detailing in purification park Detailing in "Connect" layer further integrate to urban fabric Alternative solution for other landscape •
- conditions



THANK YOU FOR YOUR ATTENTION