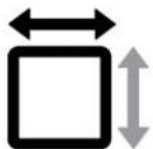




FACT FINDING IN MUARA ANGKE
1ST GROUP



Muara Angke,
 Kapung Muara,
 Penjaringan,
 North Jakarta.



± 71.7 Ha



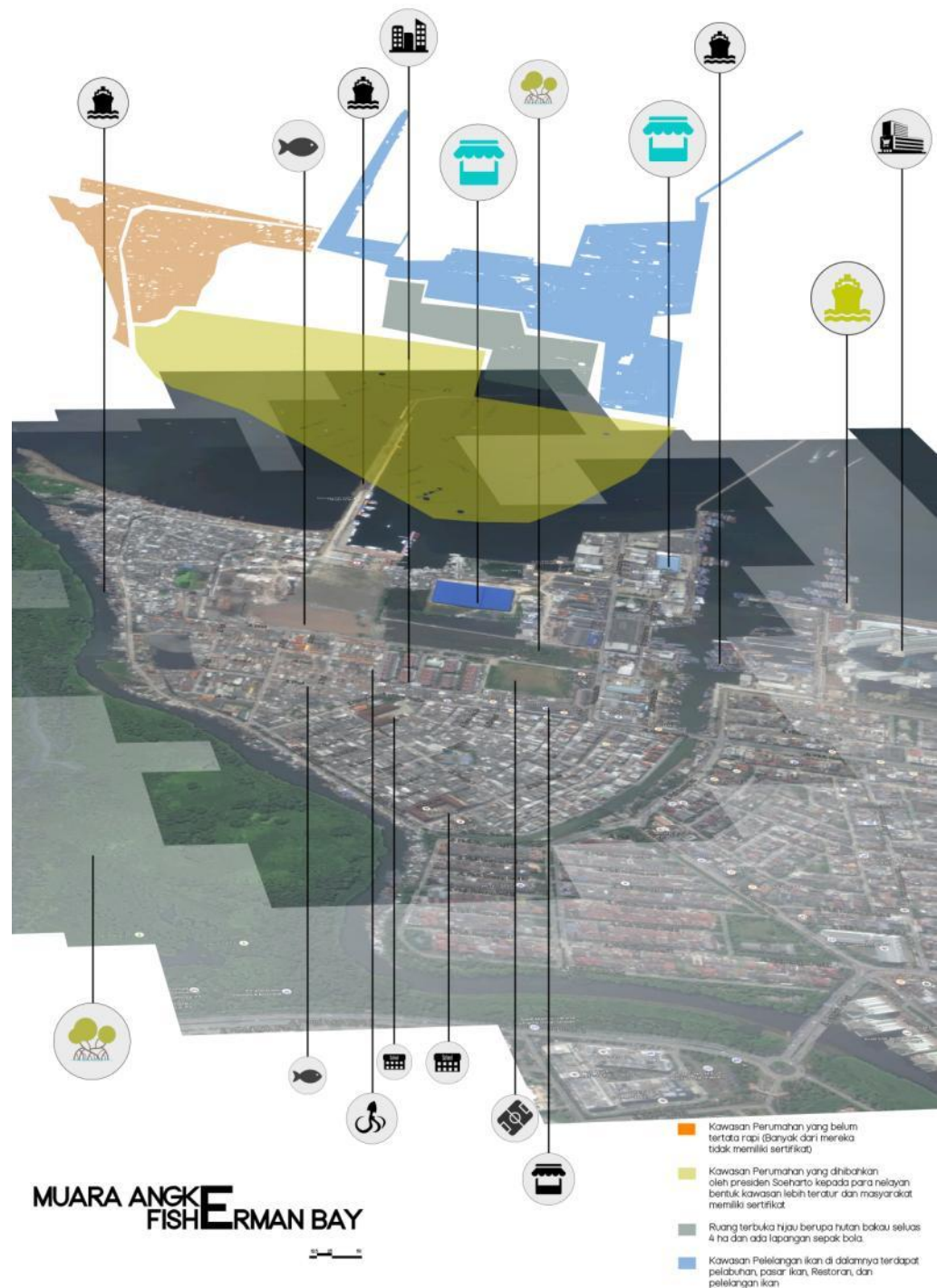
± 15.000 People

N Java Sea

E Asin Rever

W Adem River

S Muara Karang



SNAP SHOT



ENTRANCE

WATER DISTIBUTOR





SETTLEMENT



SETTLEMENT



RUMAH SUSUN VERTICAL SETTLEMENT



Map Based Activity



fisherman



visitor



processing



local



MUARA ANGGREK ZONING EXISTING FISH MANSION BAY



400 200 300

30 Ha

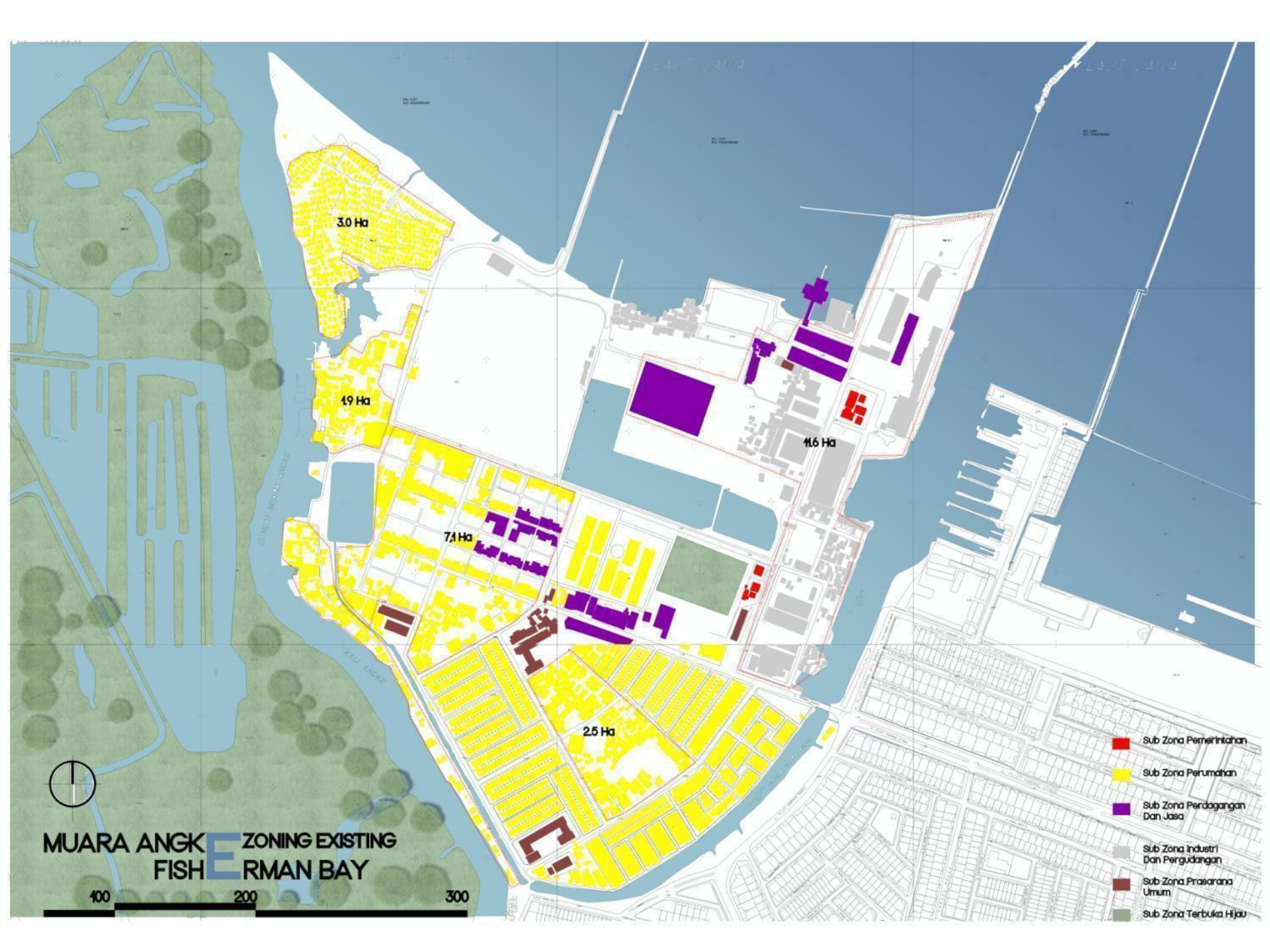
19 Ha

71 Ha

25 Ha

116 Ha

- Sub Zona Pemerintahan
- Sub Zona Perumahan
- Sub Zona Perdagangan Dan Jasa
- Sub Zona Industri Dan Pergudangan
- Sub Zona Prasarana Umum
- Sub Zona Terbuka Hijau





MUARA ANGKE PERGERAKAN HASIL LAUT
FISHERMAN BAY

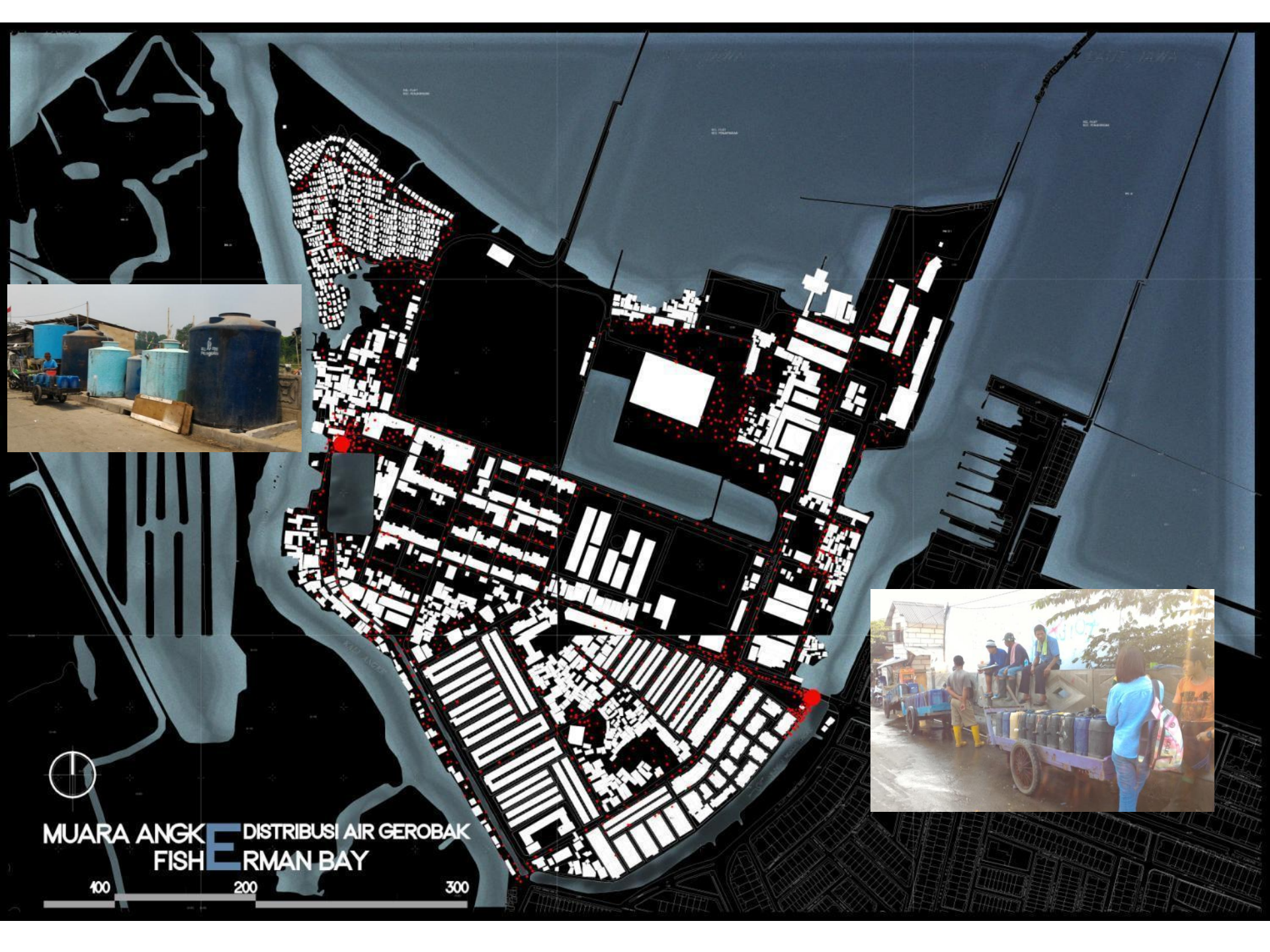


MUARA ANGKE DISTRIBUTUSI PDAM
FISHERMAN BAY

100

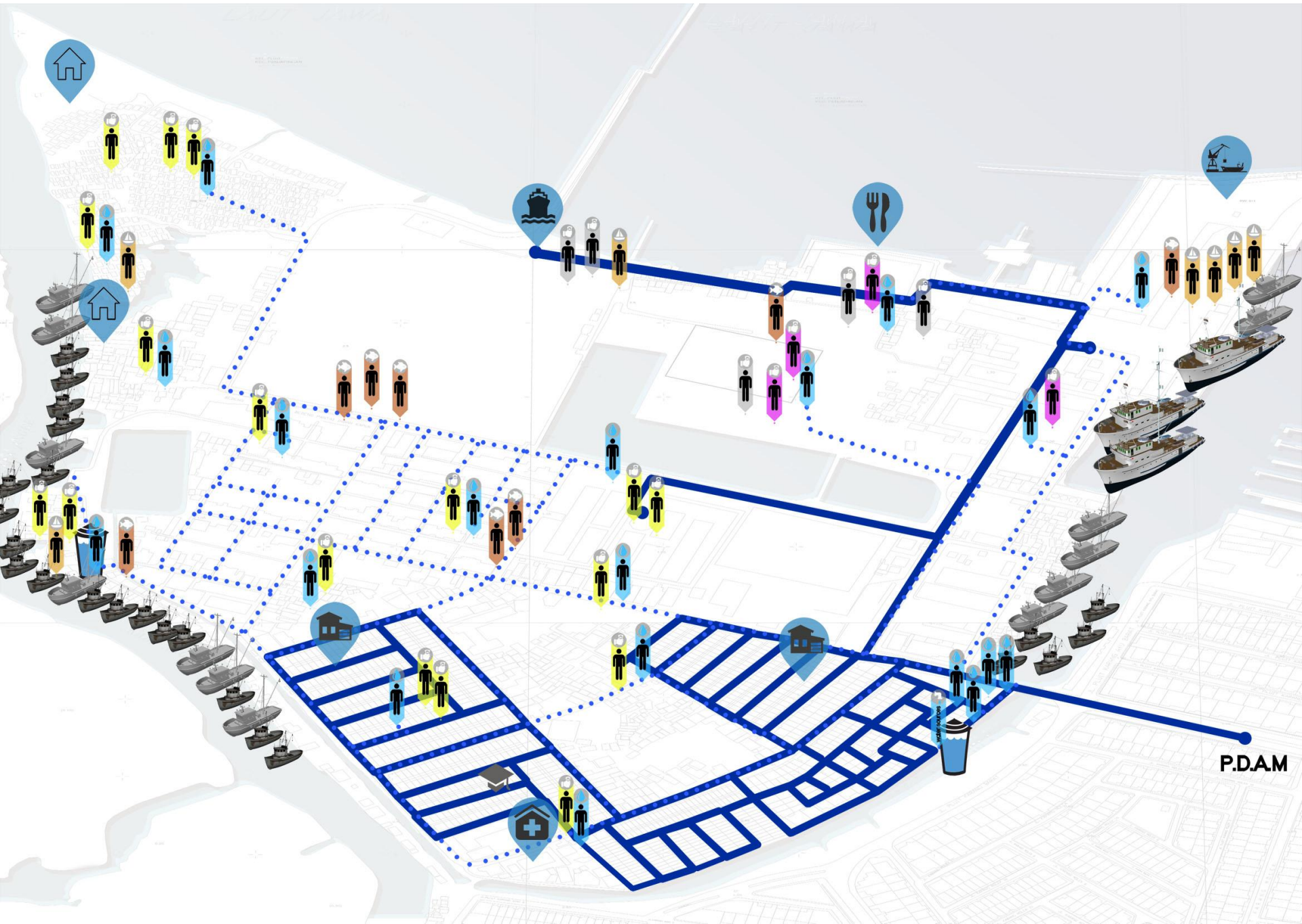
200

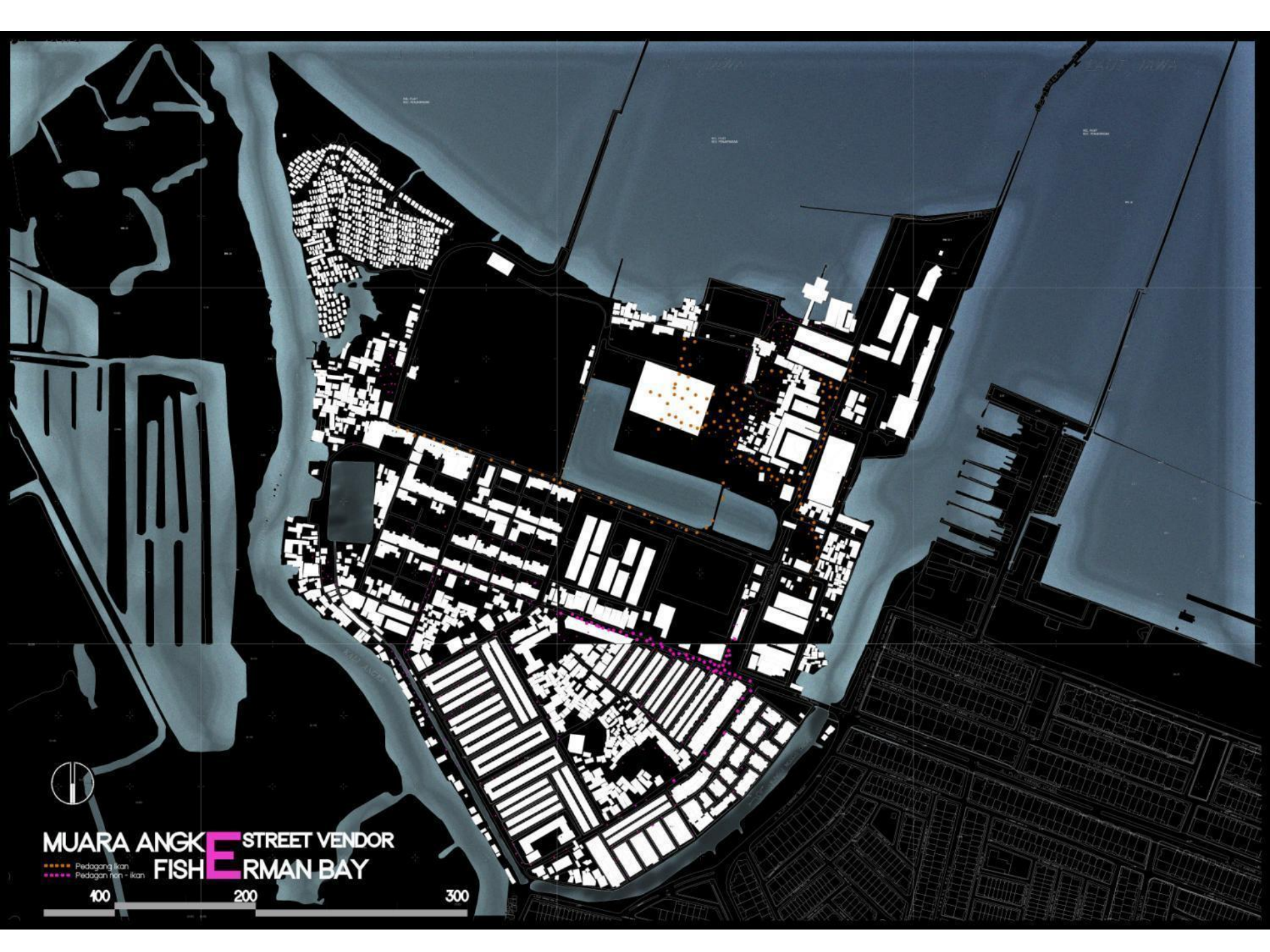
300



MUARA ANGKE DISTRIBUTUSI AIR GEROBAK
FISHERMAN BAY

100 200 300





MUARA ANGKE STREET VENDOR
FISHERMAN BAY

●●●●● Pedagang ikan
●●●●● Pedagang non-ikan

100

200

300

99.82 Ha
Kawasan Wisata
Mangrove

17 Ha
Mangrove

0.8 Ha
Lapangan



MUARA ANGGER GREEN SPACE
FISHERMAN BAY

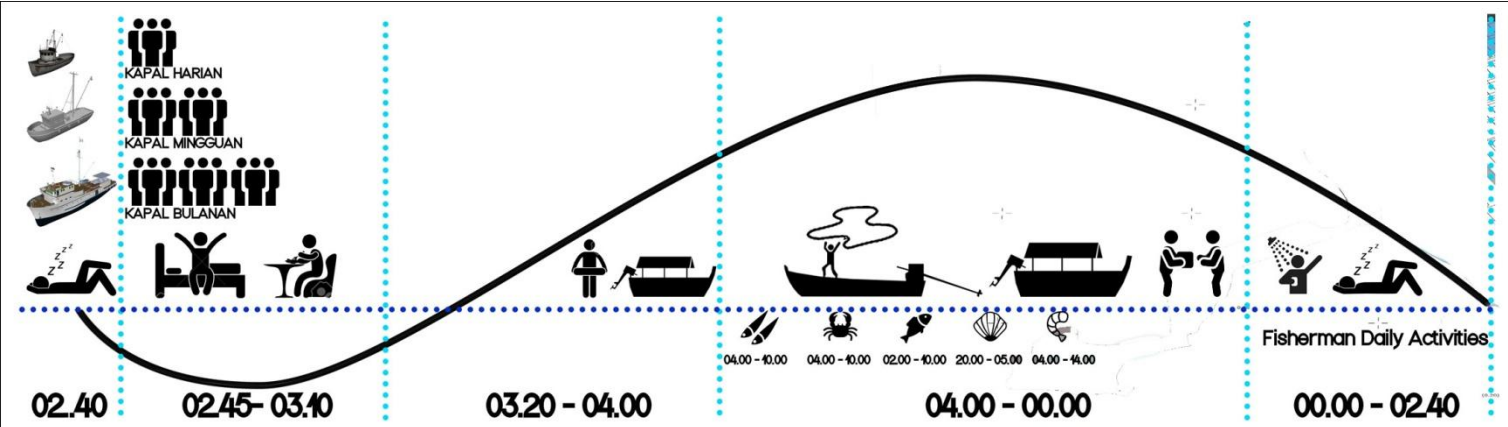
100

200

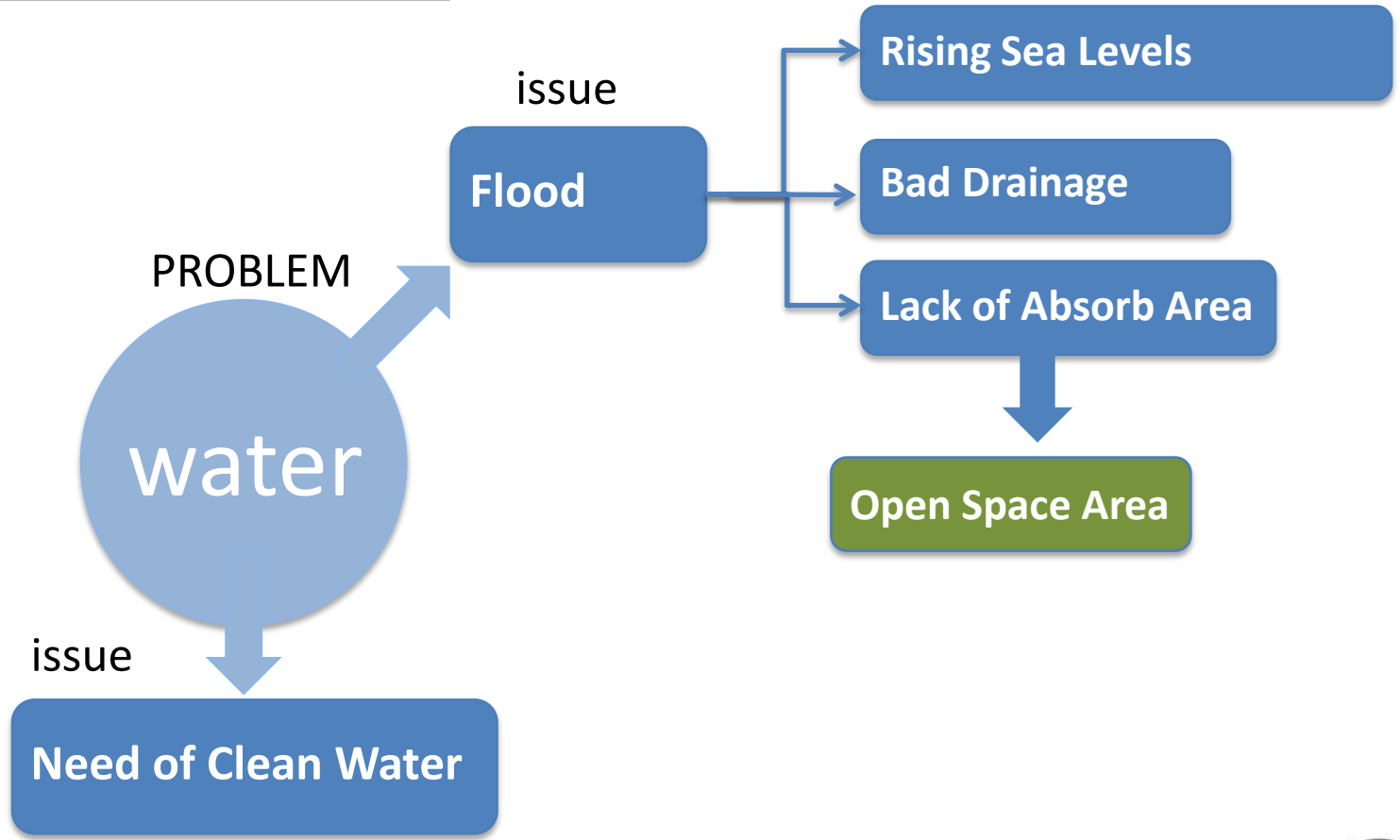
300



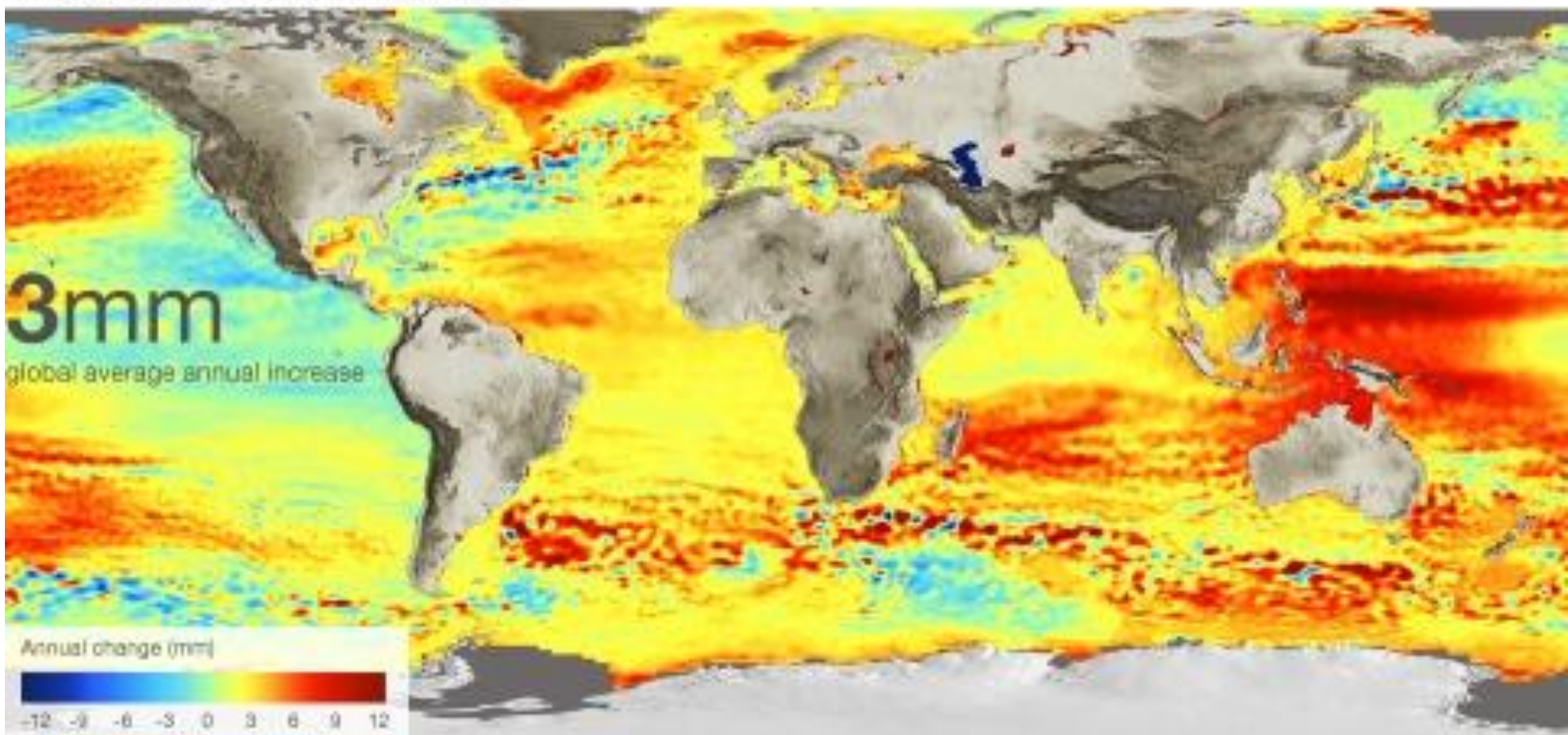
Fisherman Activity diagram



Problem and Issue



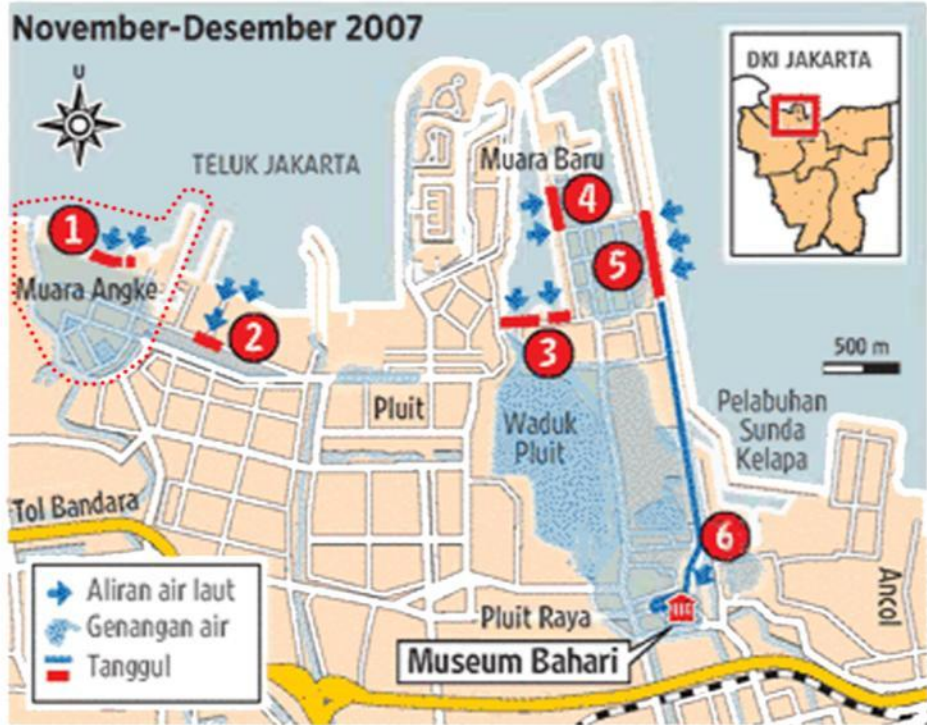
Annual average sea-level rise, 1993-2010



Source : http://www.zeeburgnieuws.nl/nieuws/mb_sea_level_rise.html

ROB JAKARTA

November-Desember 2007



— Lokasi Masuknya Air Laut

- 1 Muara Angke
- 2 Pluit Karang Ayu
- 3 Tanggul dekat pompa Pluit
- 4 Tanggul lama, Muara Baru
- 5 Tanggul penampungan batubara
- 6 Pelabuhan Sunda Kelapa

Skenario Jakarta Terbenam

Rendaman akibat angin badai, pasang maksimum, dan kenaikan muka laut



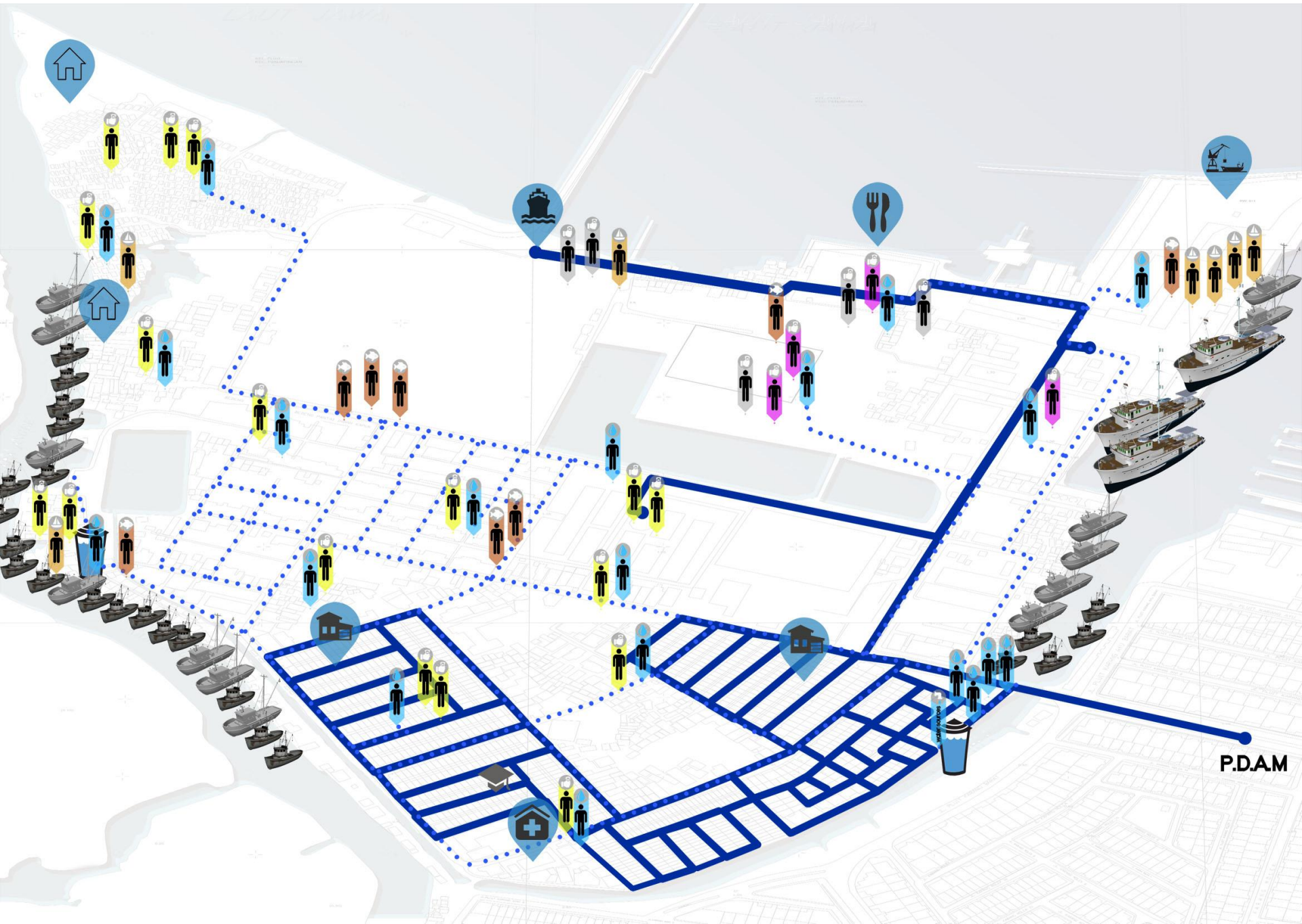
2010



2030



2050



Clean Water Issue

Lack of Clean Water

Rain Water Harvesting

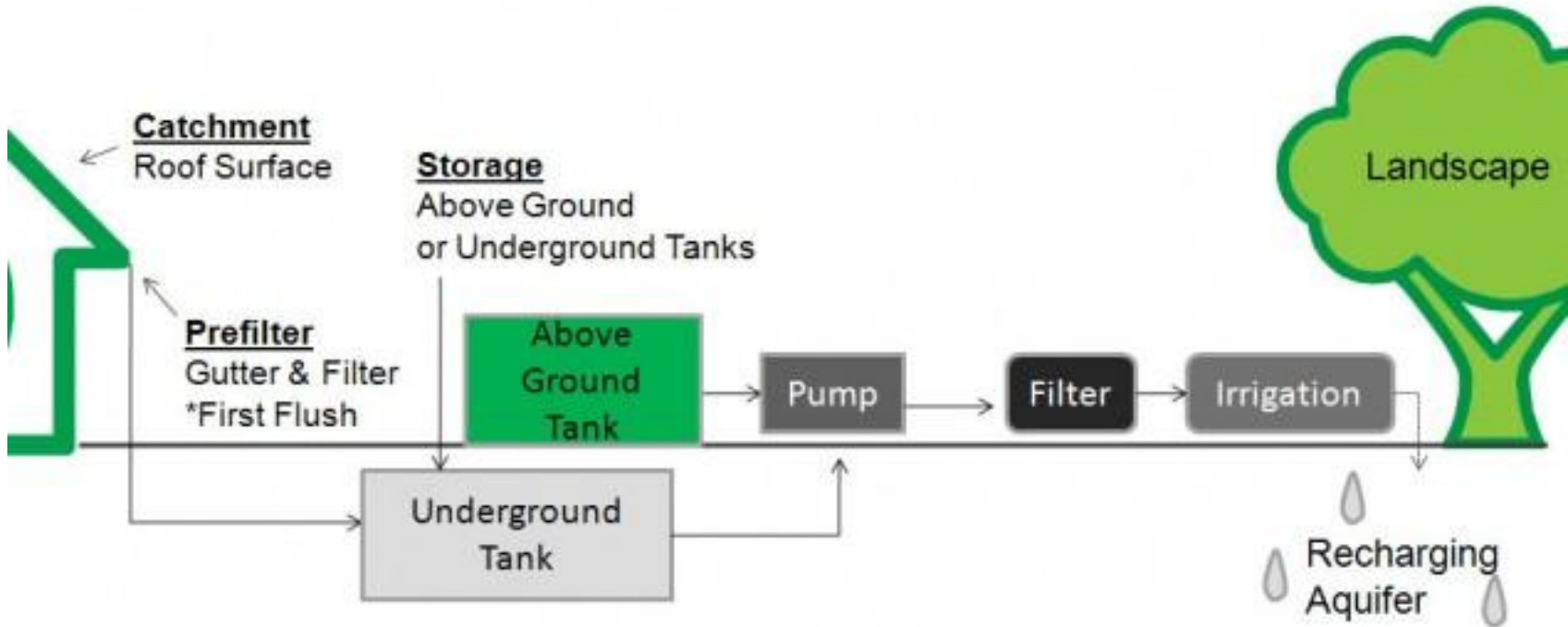
Desalination

Re-cycling Grey Water

PDAM

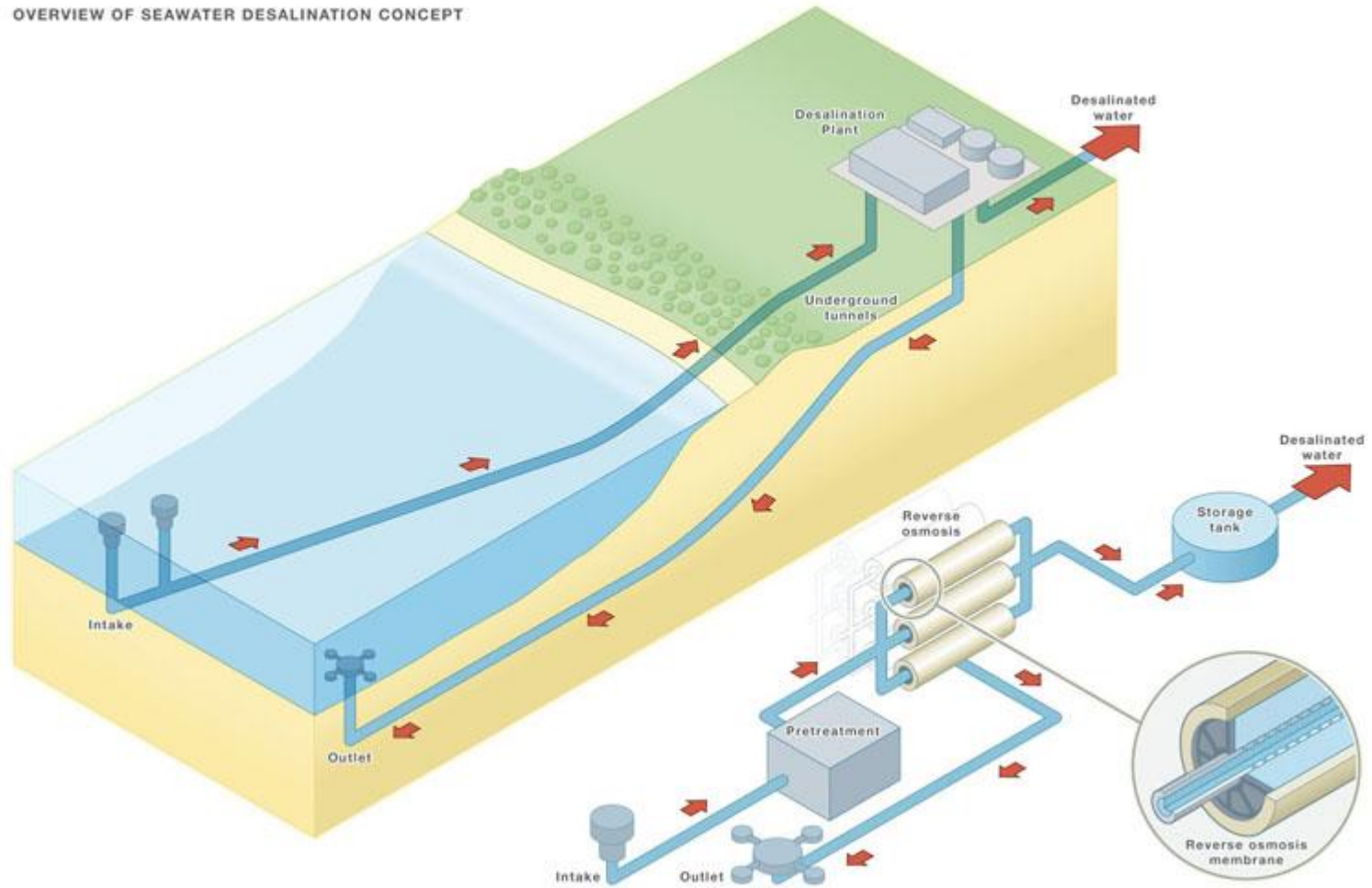
Rain Water Harvesting

Components of Rainwater Harvesting

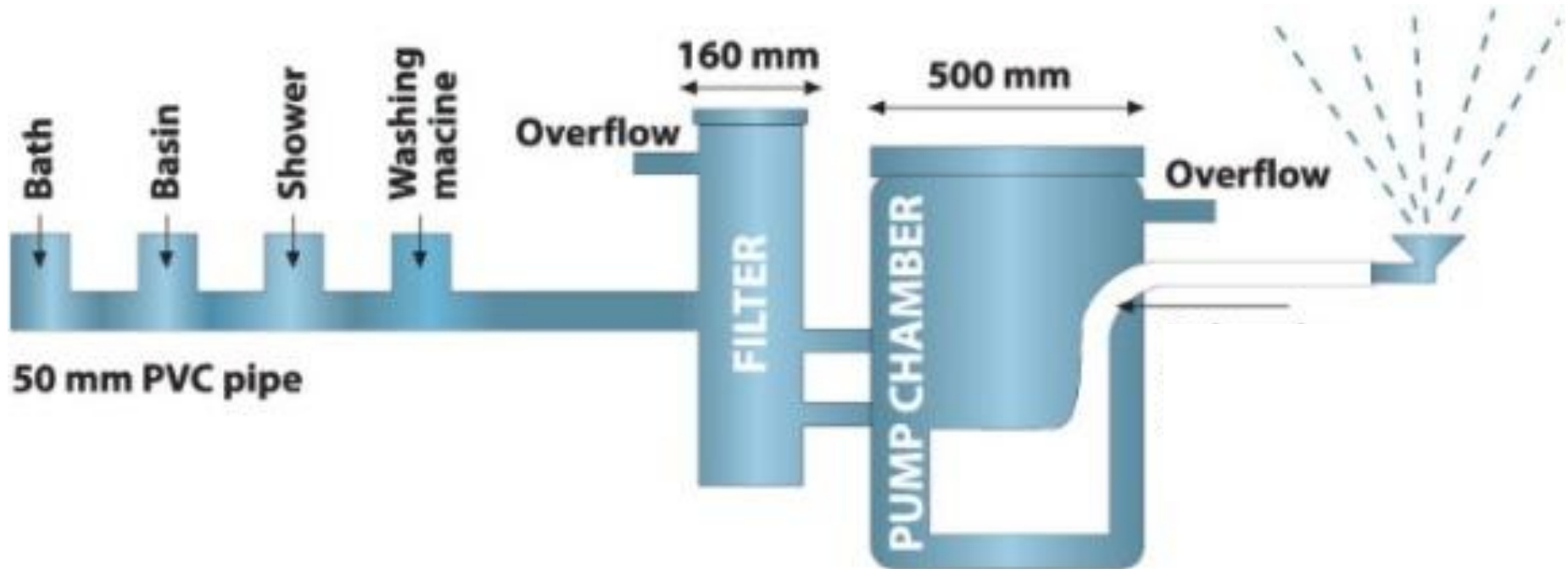


Desalination

OVERVIEW OF SEAWATER DESALINATION CONCEPT



Re-Cycling Grey Water



Flood Issue

Tidal Flood

Arrange Settlement

Canal + Waduk

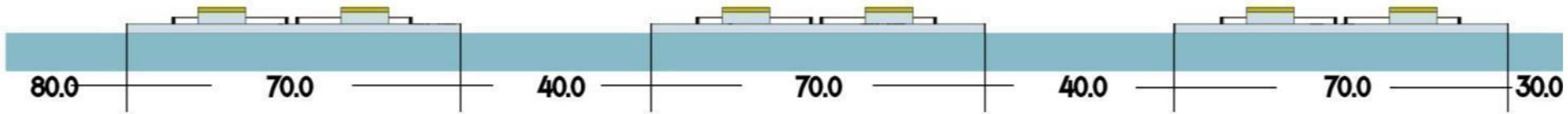
Modified Settlement

Site Plan Design Proposed

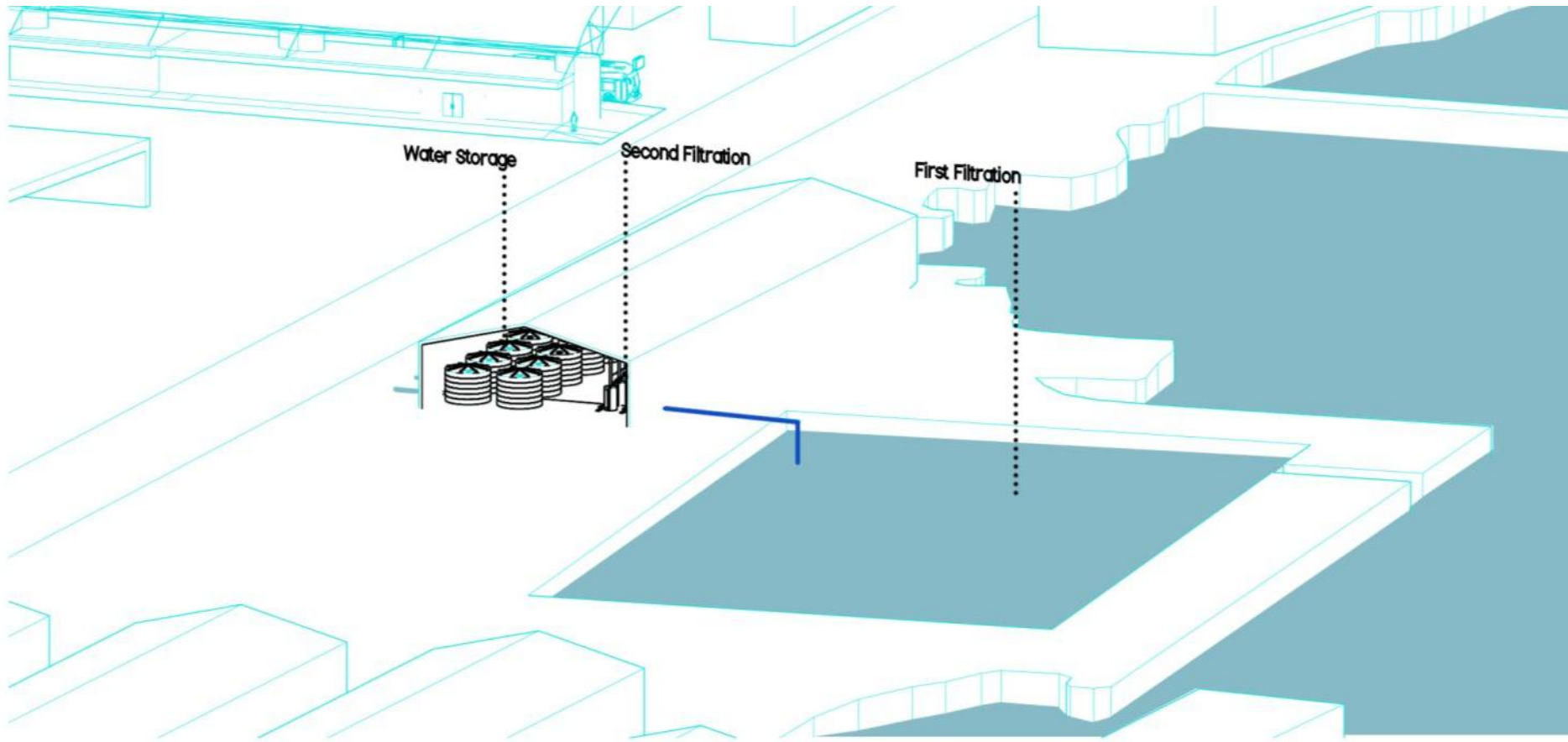


Arrange Settlement

1. Floating Settlement

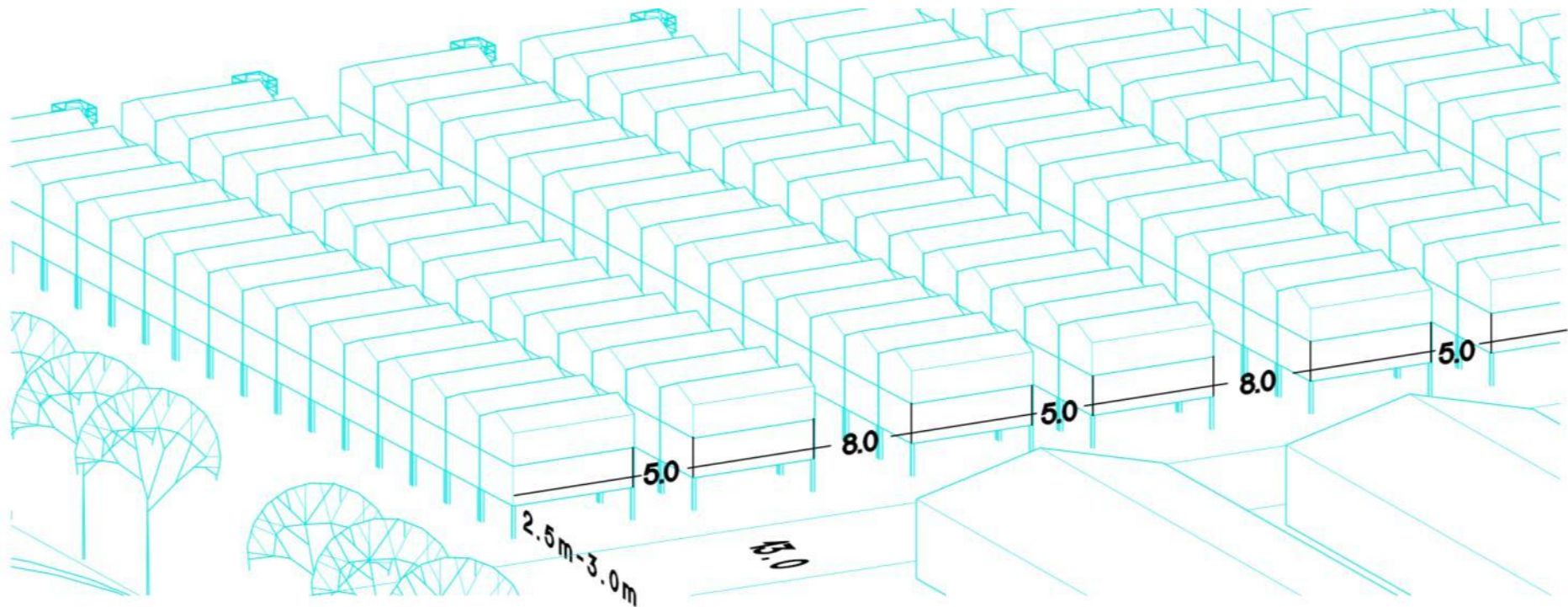


1. Floating Settlement + Salting Industry
For Provide Fisherman Settlement



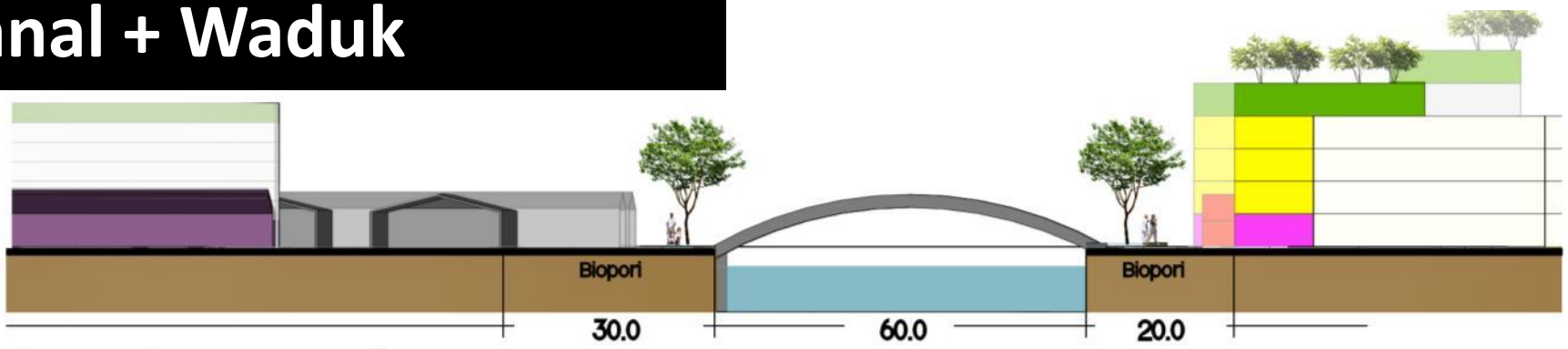
2. Desalination Process For Provide Clean Water

Modified Settlement

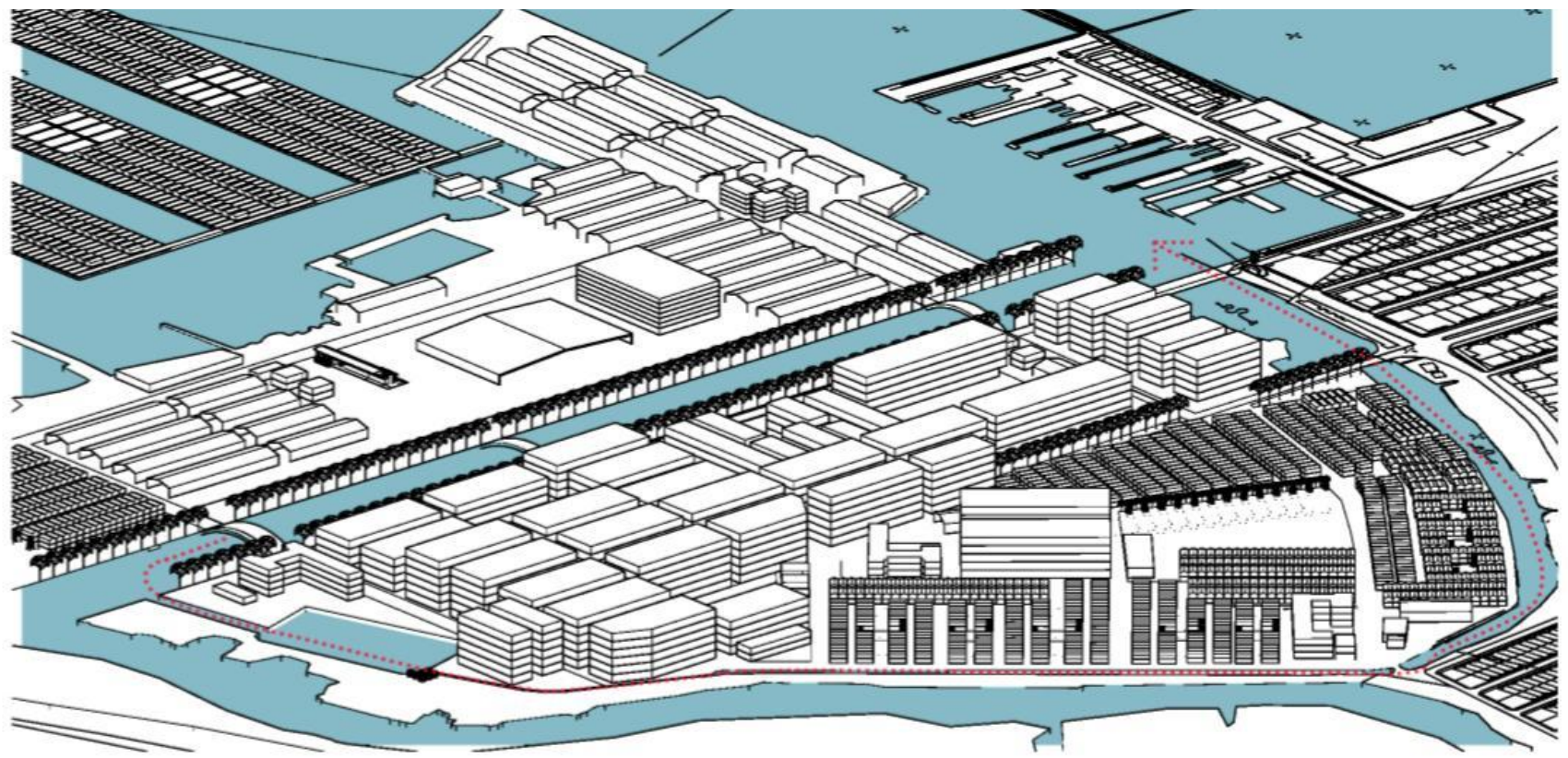


3. Stand Settlement For Provide From Tidal Wave

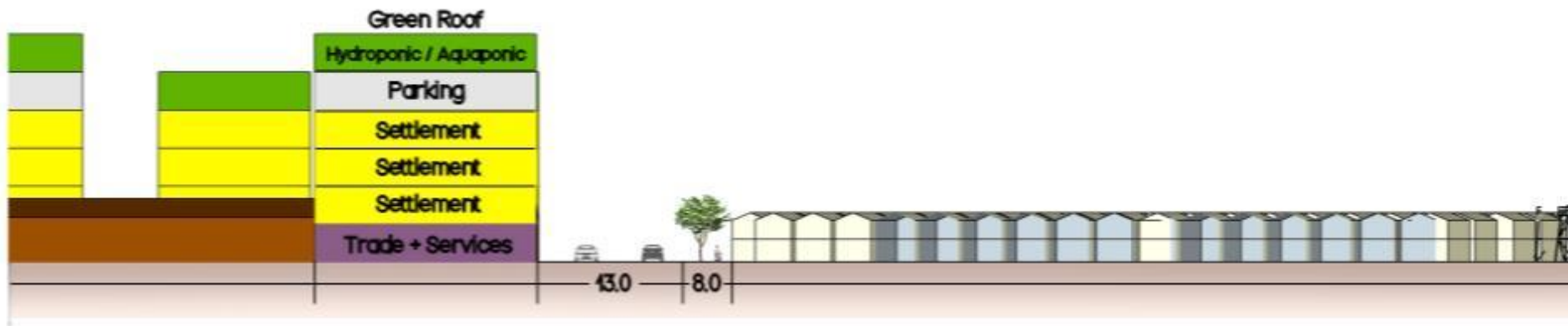
Canal + Waduk



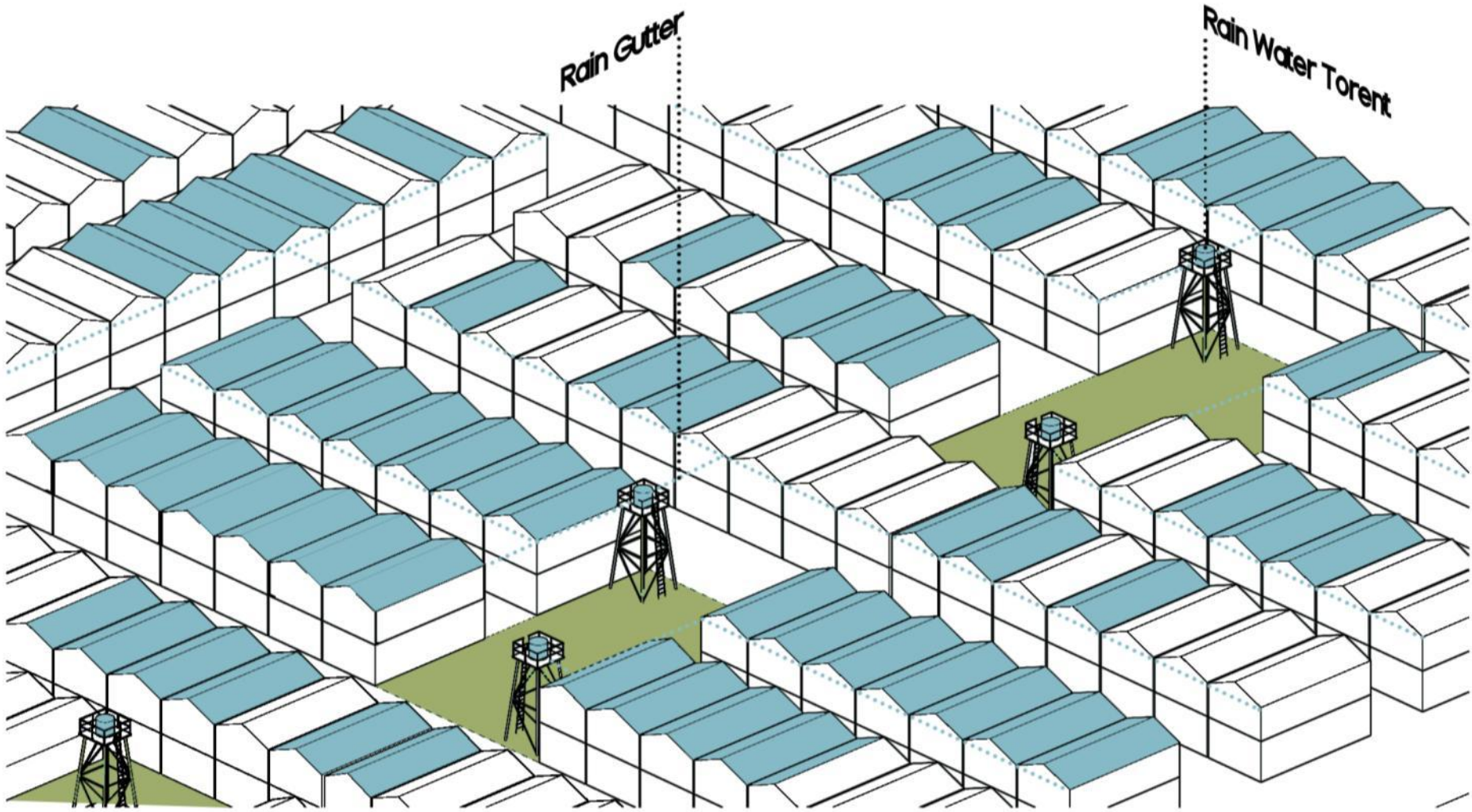
4. Canal + Promenade
For Prevent From Tidal Wave



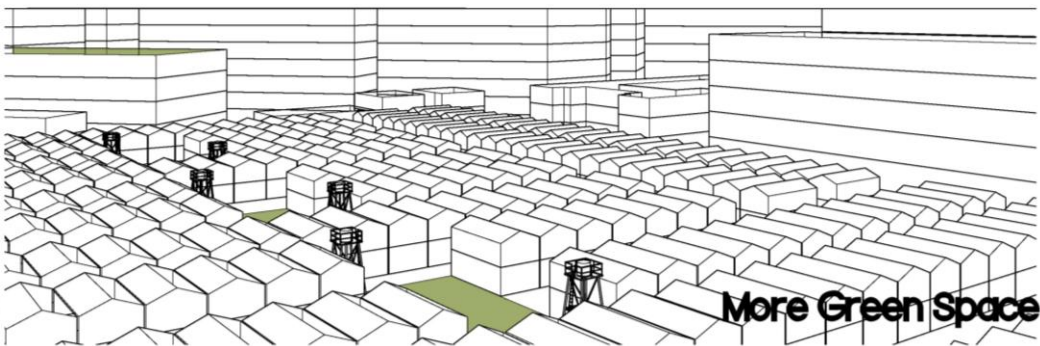
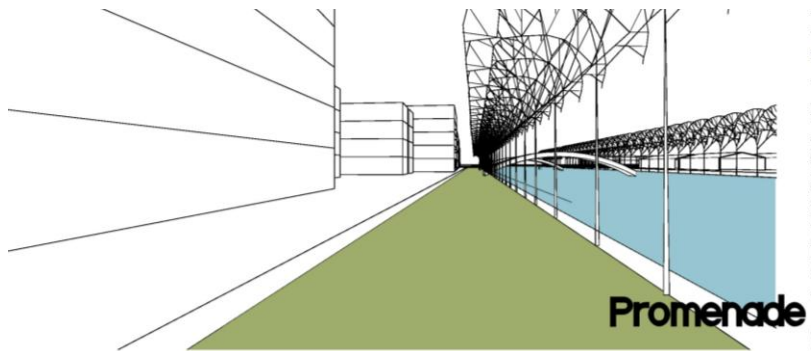
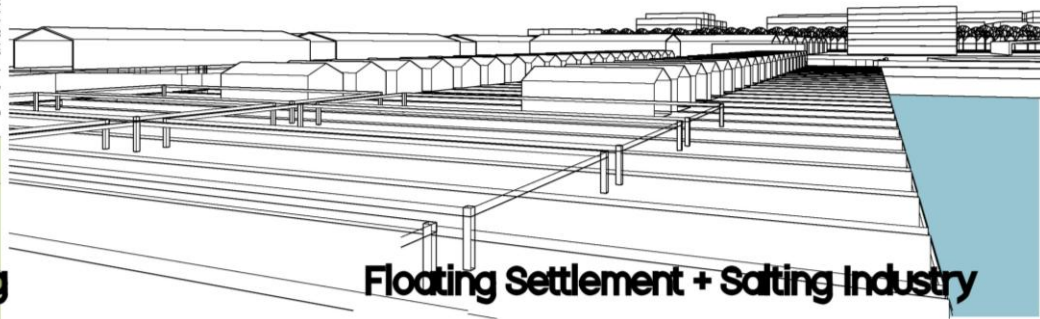
5. Reservoir / Waduk
For Prevent From Tidal Wave



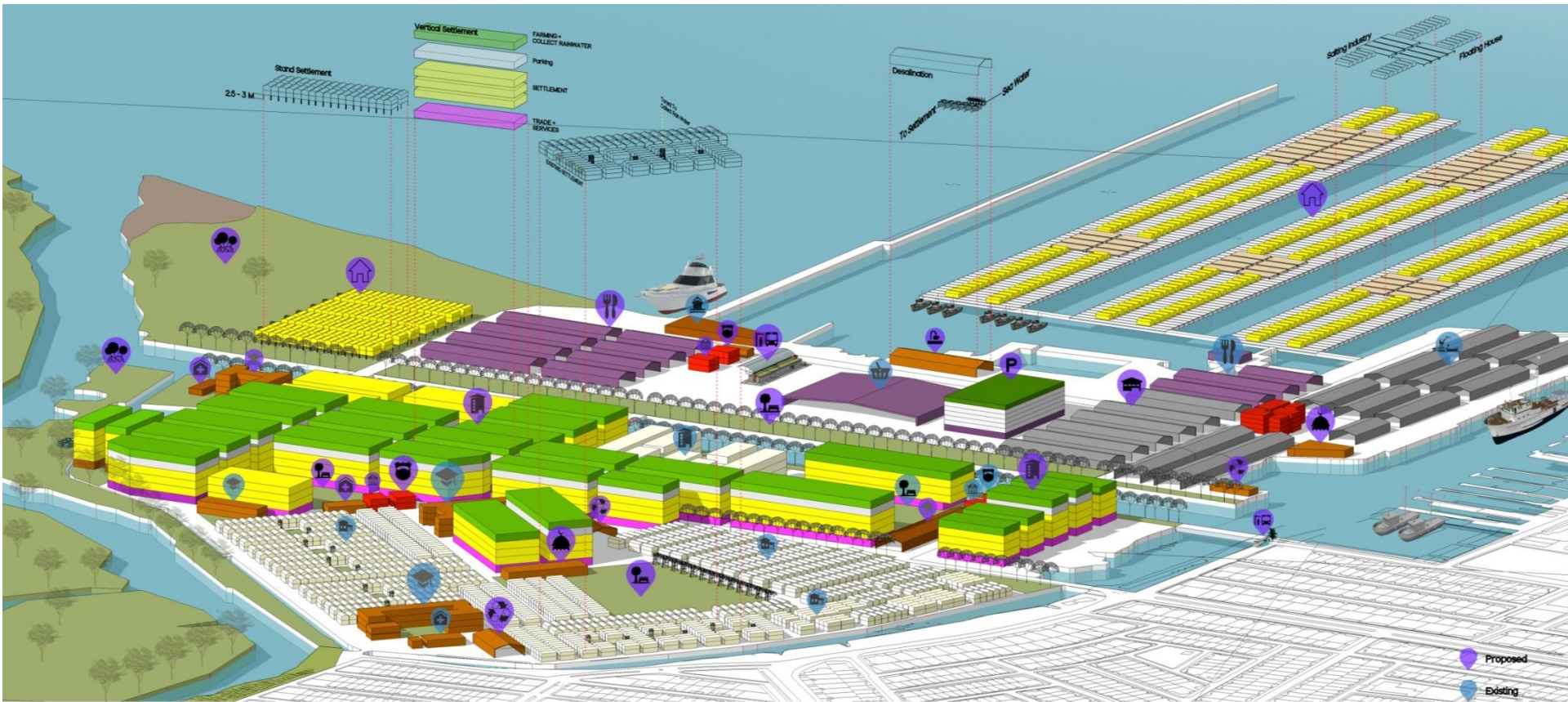
6 . Transportation Rute + Vertical Settlement For Devide People & Vehicle + Arrange Settlement



7 . Rain Water Harvesting + More Green Space
For Provide Clean Water



Situation + Program + Section Proposed



MUARA ANGKE | DESIGN GUIDELINES PROPOSED



