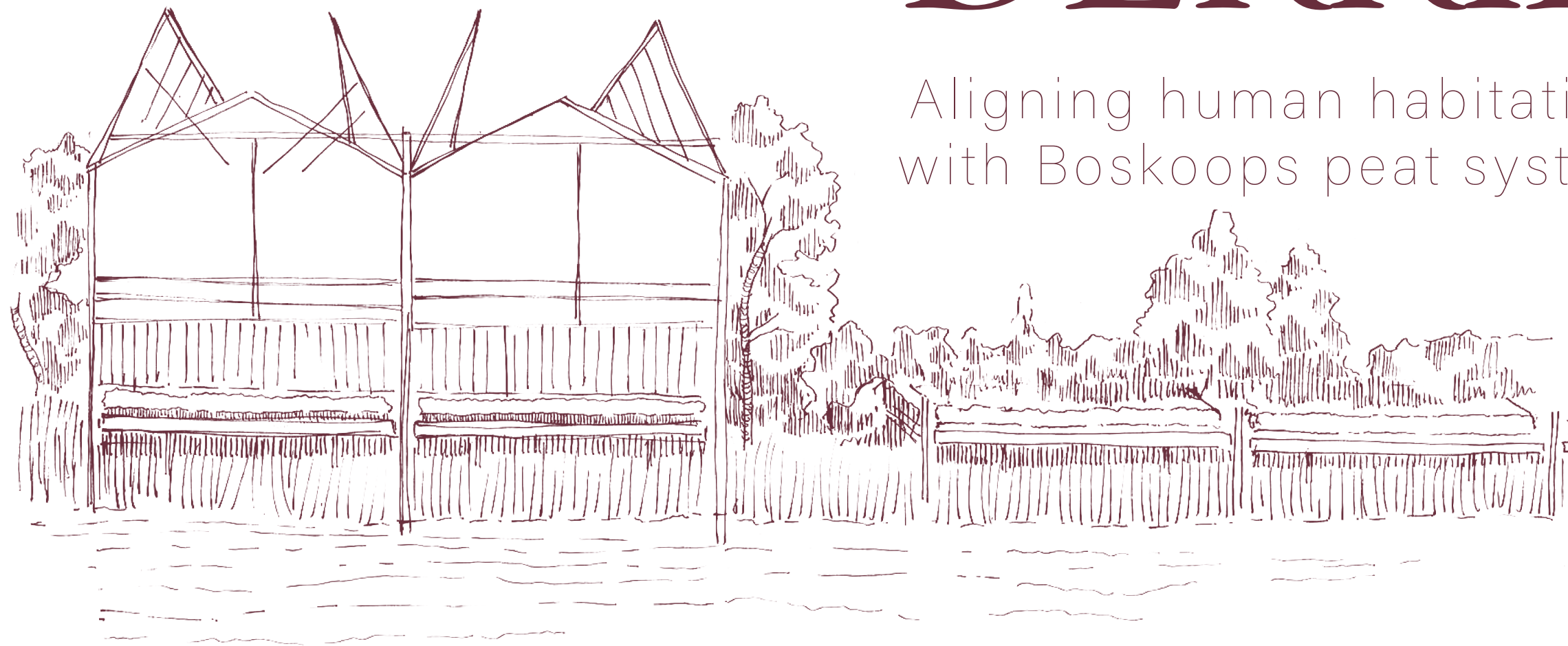


DERRIE

Aligning human habitation
with Boskoops peat system



Derrie - "Laagveen" (Fenland)

Boskoops Boomkwekers Woordenboek

- Vuile, dikke brij, stront: 'trap niet in de derrie'.

Dikke van Dale

01 GROUNDING

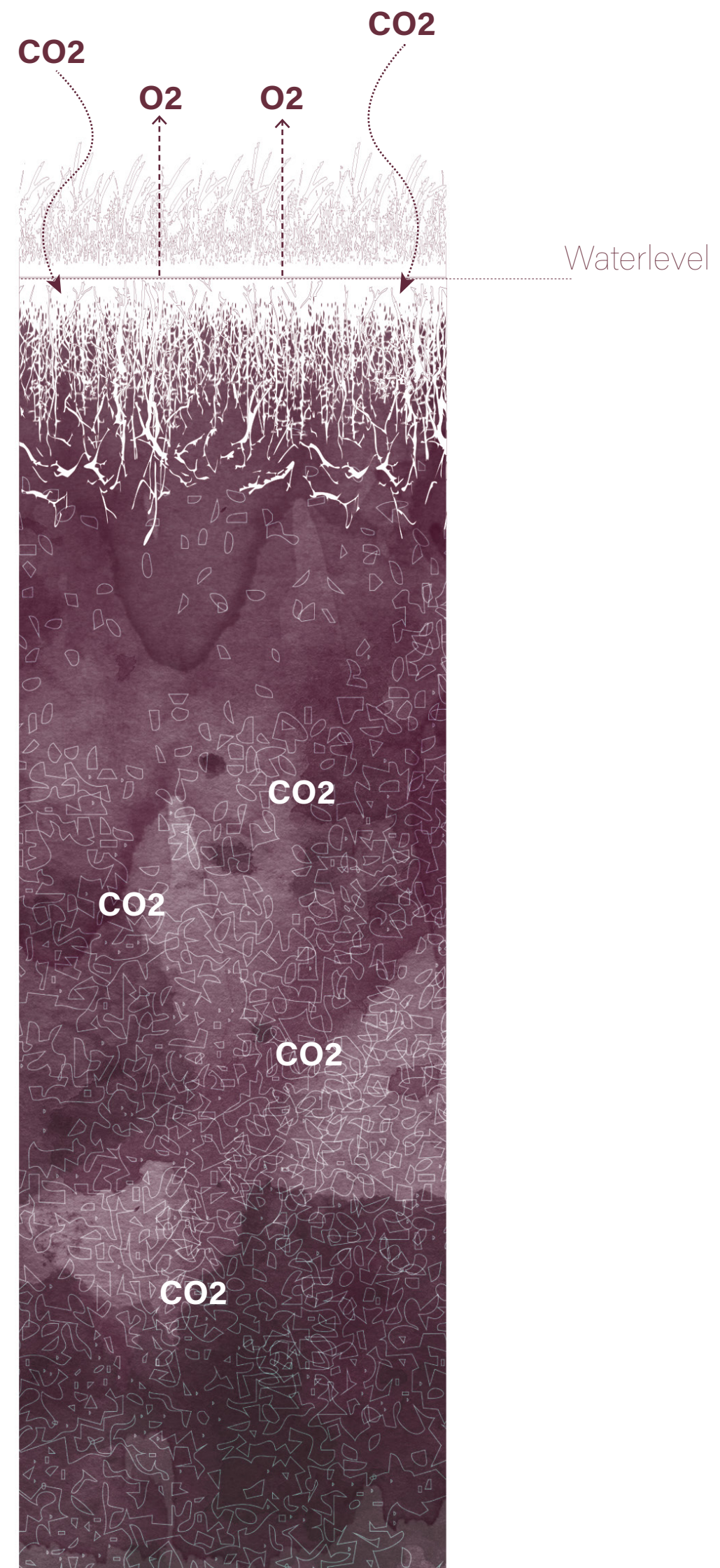
1.1 Derrie

DERRIE | Evelien Cok



01 GROUNDING

1.1 Derrie



01 GROUNDING

1.2 Peat - The Netherlands



Protected nature area

Peat meadow with livestock farming

Horticulture

Cities



Heer, K. de (2016) *Via een houten vlonderpad kun je het Wooldse veen verkennen.*



Rijn, Vecht en Venen (2020) *Blijven boeren in het veenweidegebied.*



Houtman & de Vogel (2022) *Otweg 108, Boskoop*



Haerkens, T. (2016) *De verzakte kade van de Turfmarkt in Gouda.*

01 GROUNDING

1.2 Peat - The Netherlands



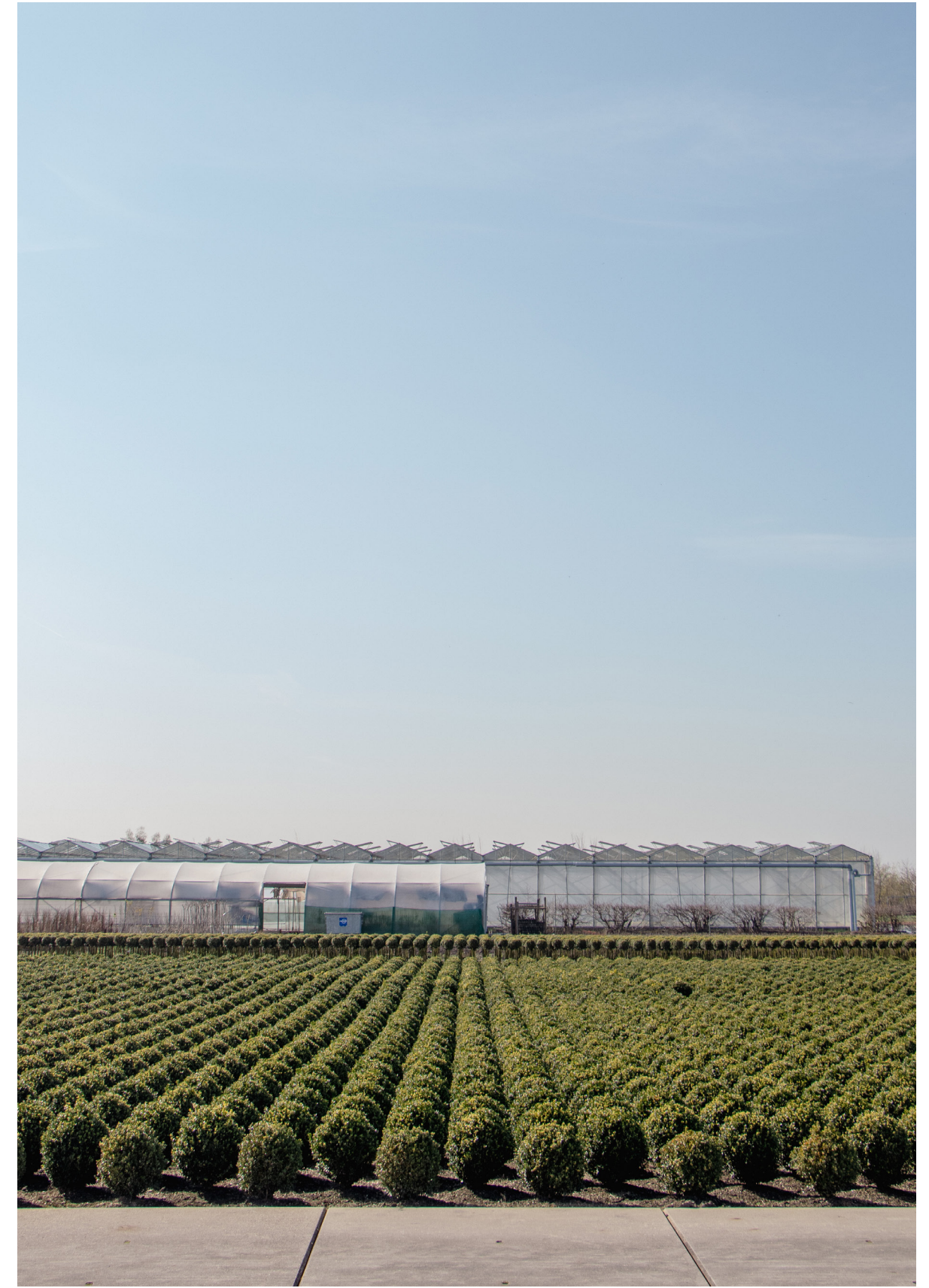
Map based on Paleogeografische kaarten,
by Rijksdienst voor het cultureel erfgoed, 2022

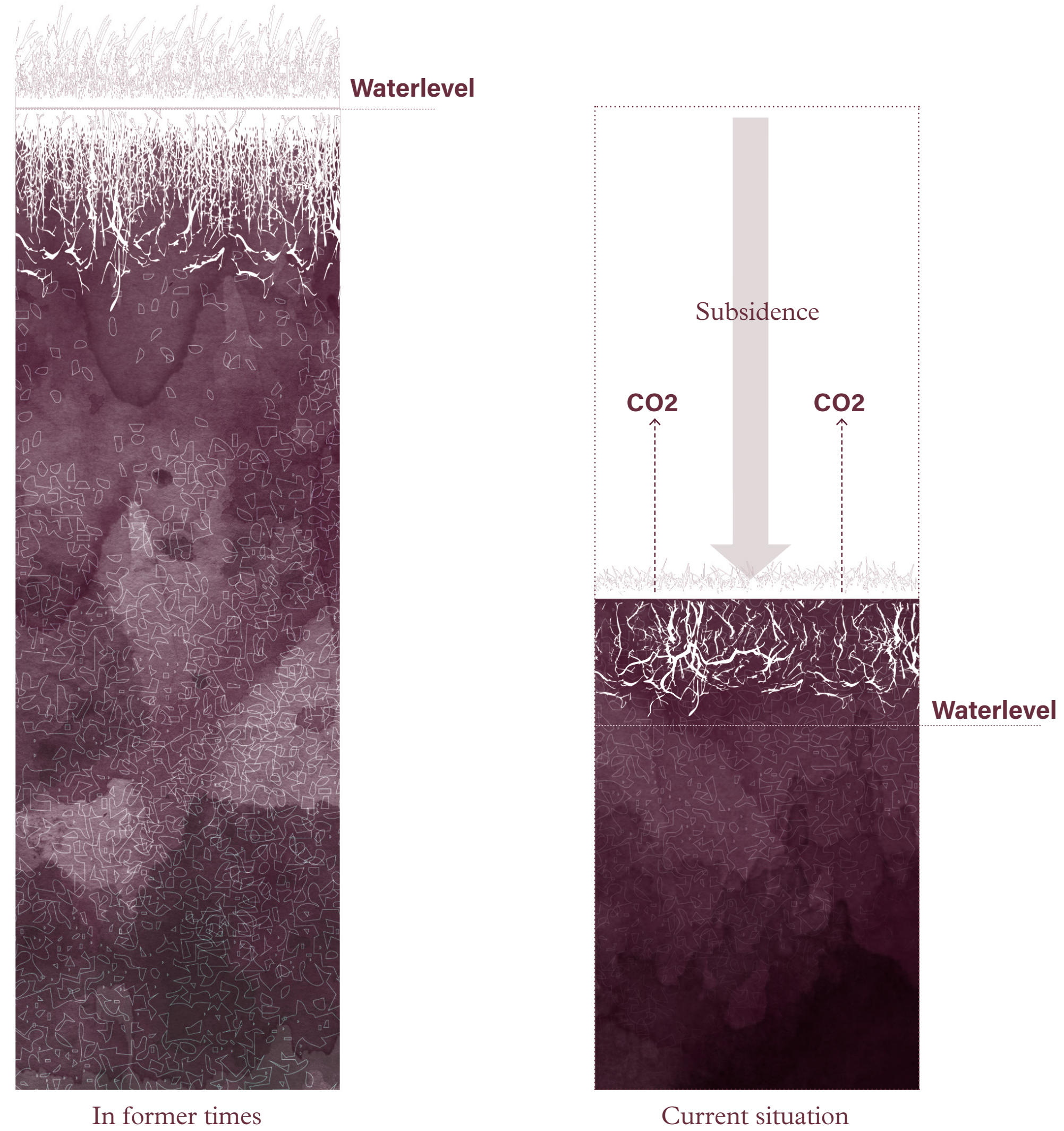


Map based on
Luchtfoto 2026 Ortho 8cm RGB, by PDOK, 2026,
BRO Bodemvlakken, by PDOK, 2026



Gemeente Alphen aan den Rijn (2018) *Beleidsnota Landschapscompensatie Sierteeltconcentratiegebied Greenport Regio Boskoop.*





01 GROUNDING

1.4 Peat drainage

Drainage,



Subsidence,



Adding soil,



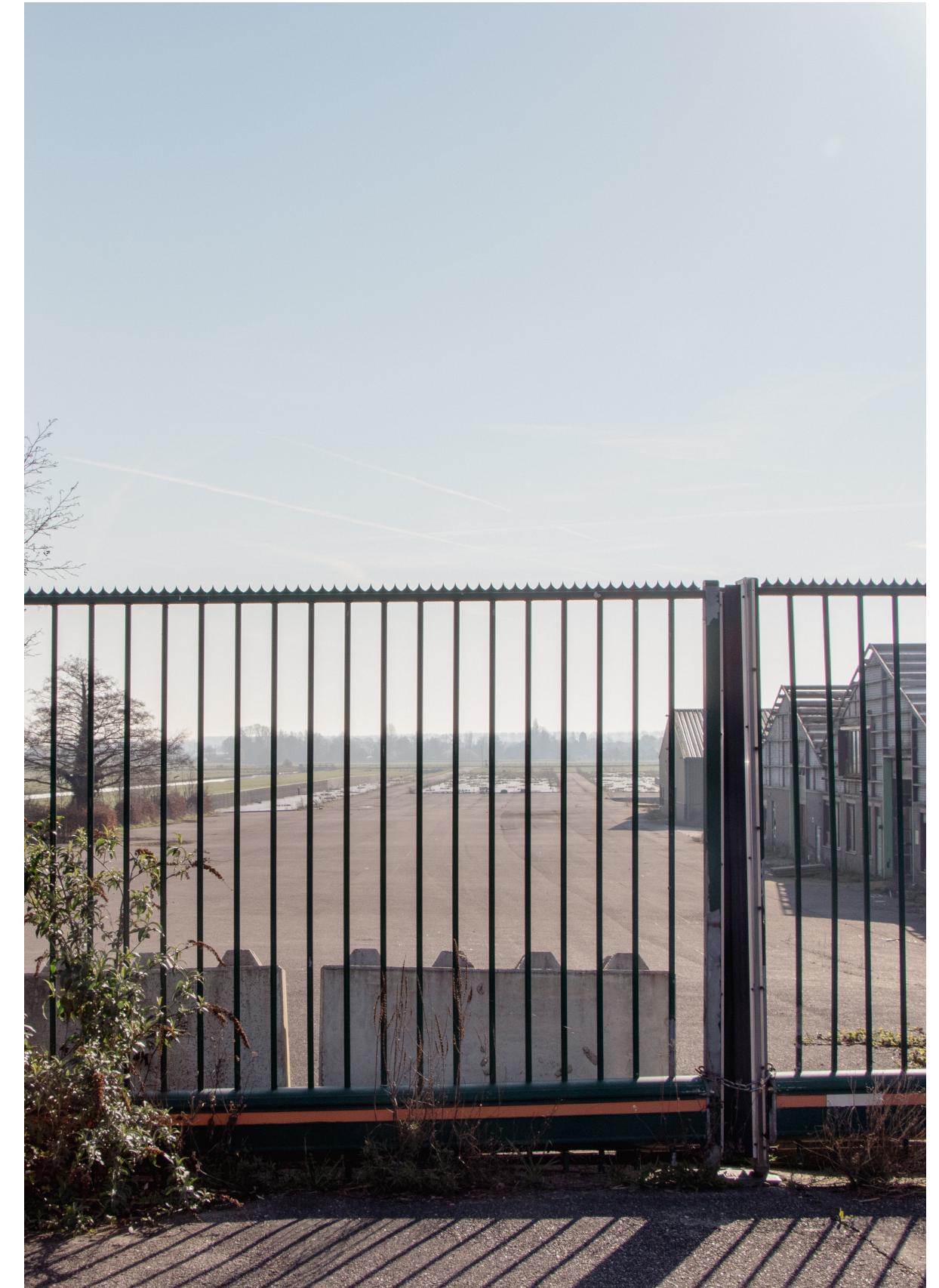
Boskoop is al vaak doodverklaard, maar nog nooit begraven

ARTIKEL

Hein van Iersel, zaterdag 1 april 2017

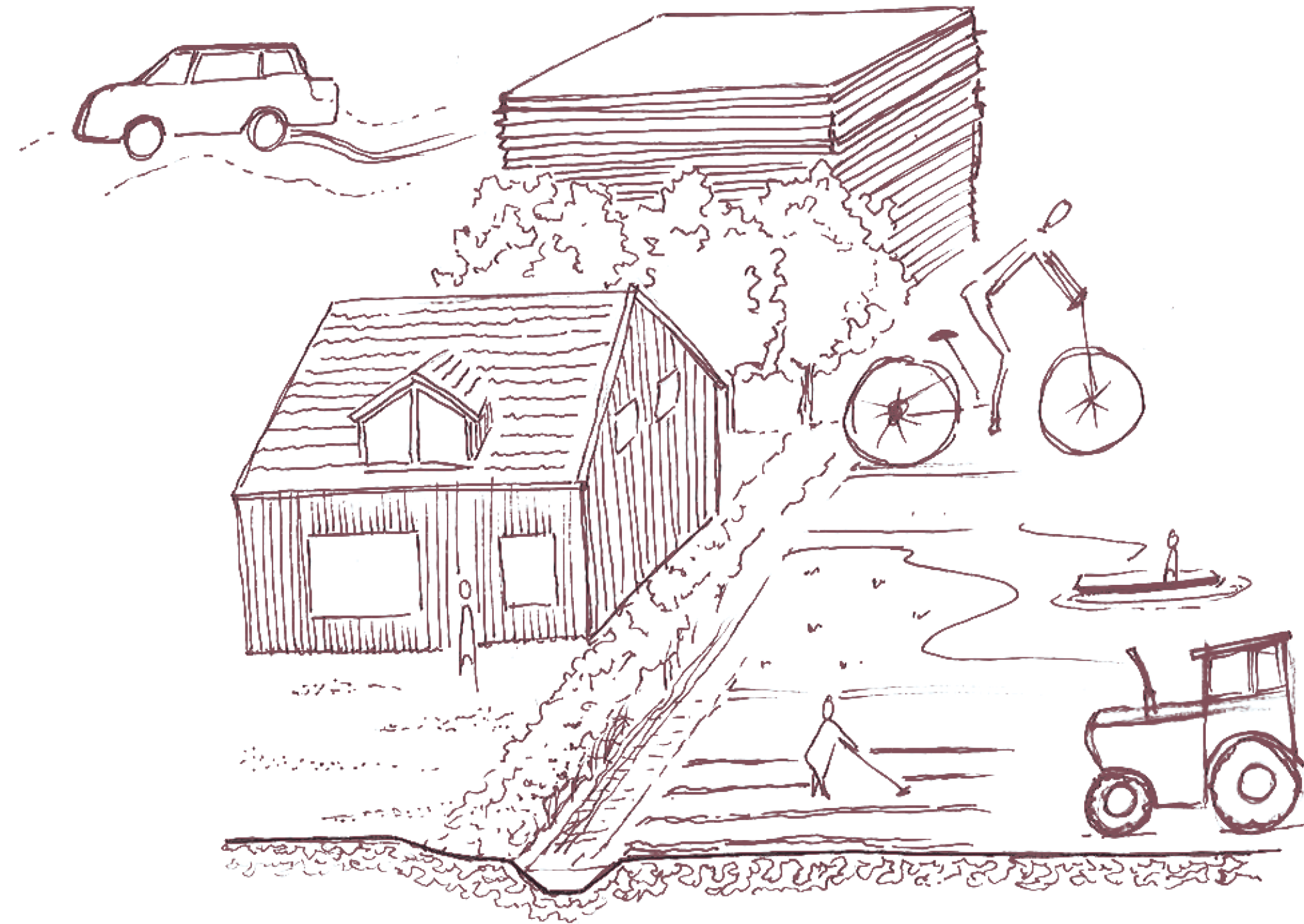
In deze uitgave van Boom In Business vindt u de vierde editie van onze rubriek Regio-in-Beeld.

Na Oost-Groningen, Brabant (Oirschot) en Gelderland (Opheusden-Kesteren) is nu Zuid- Holland aan de beurt.

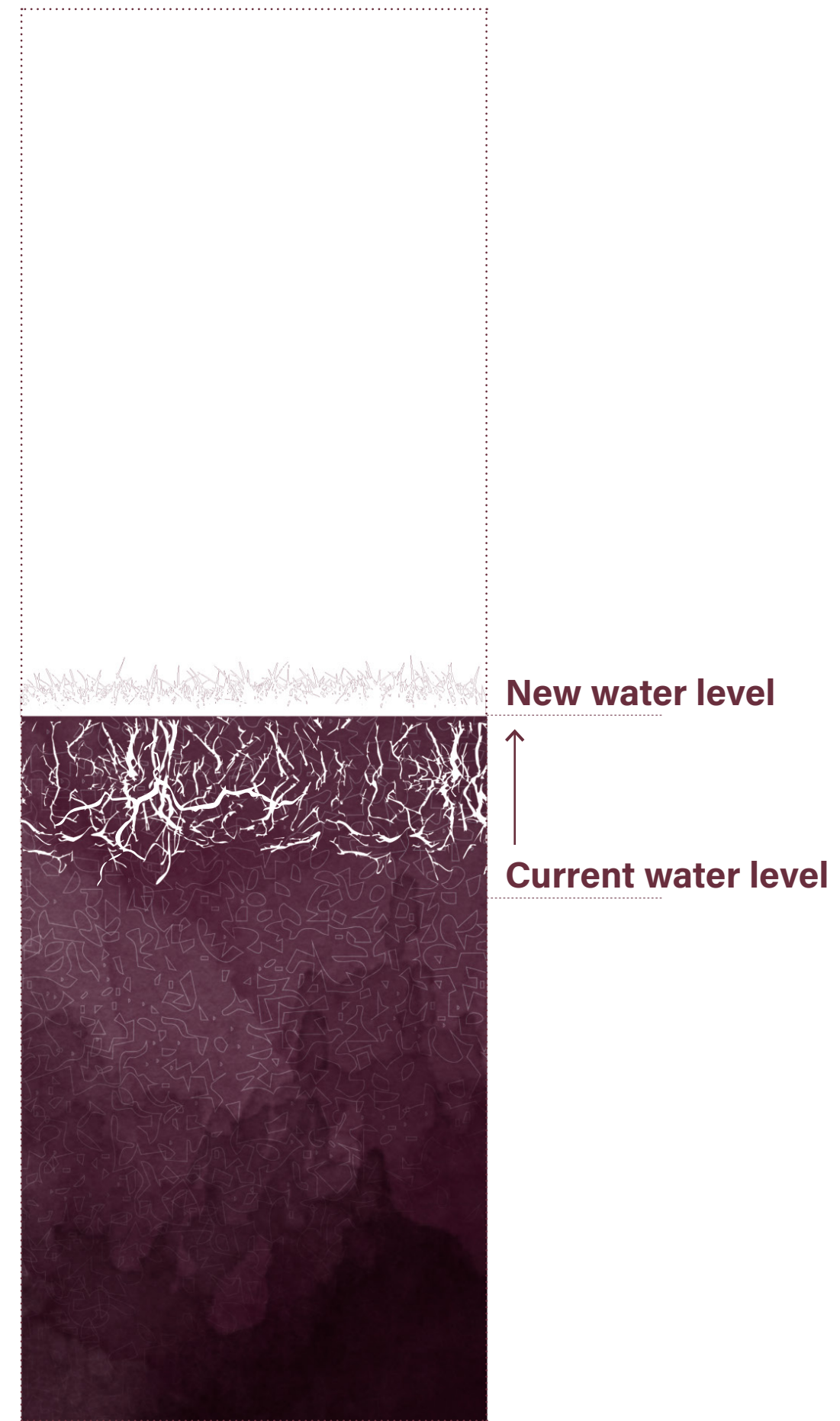


Research question

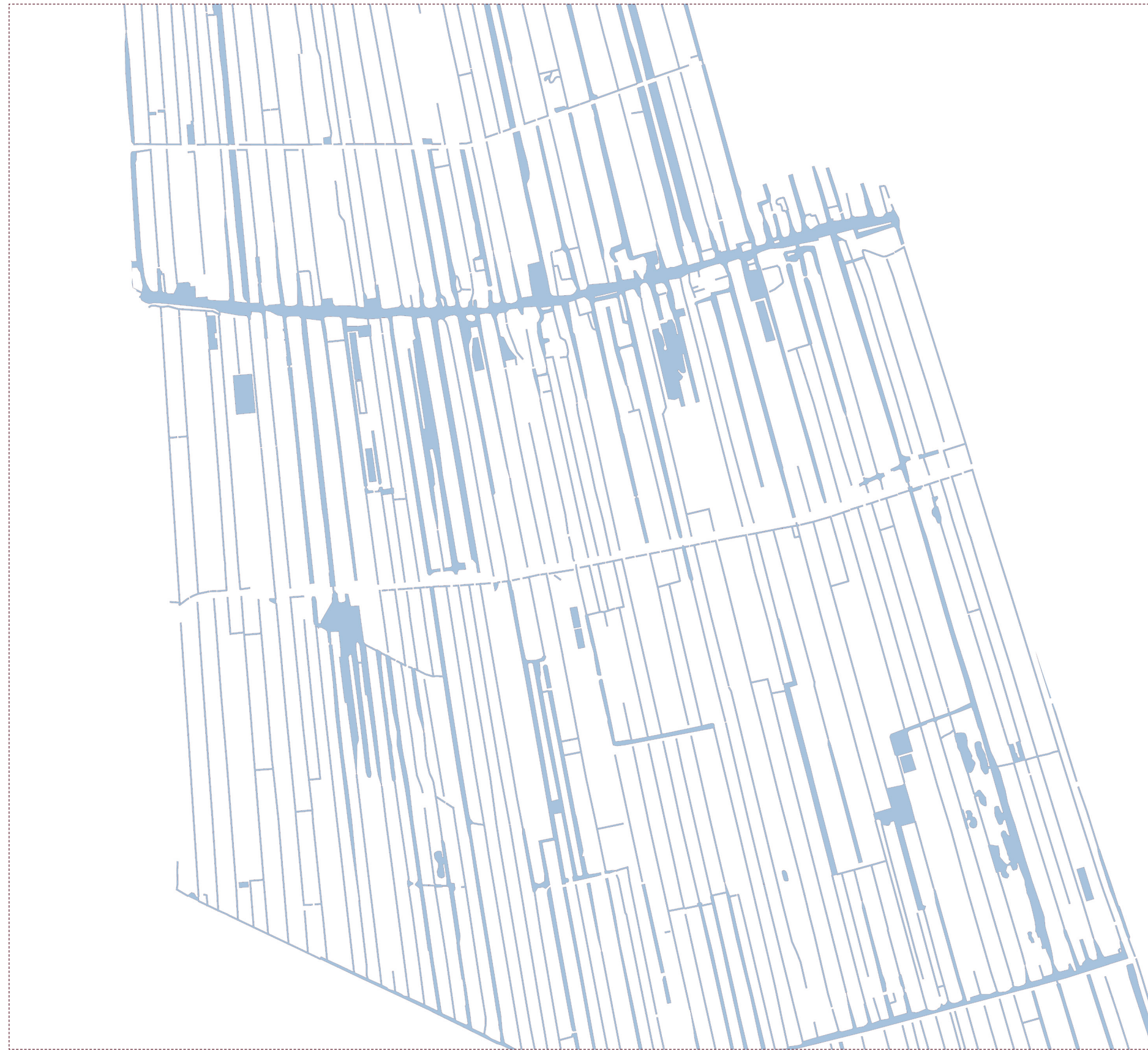
**How can human habitation in
Boskoop align with its peat system?**



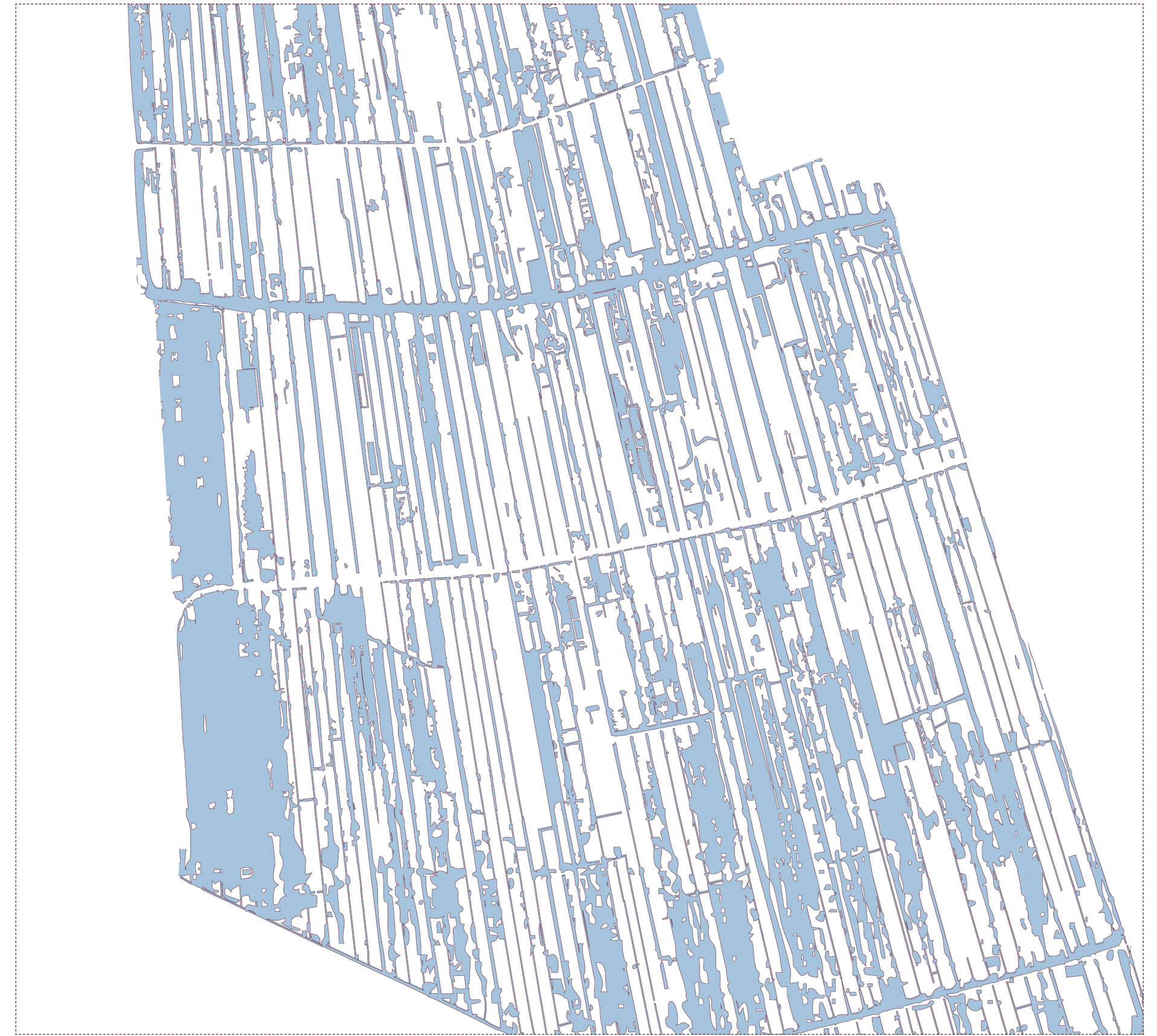
Human habitation goes beyond residential living,
Including working, cultivating, moving through and
forming habits in relation to the landscape.



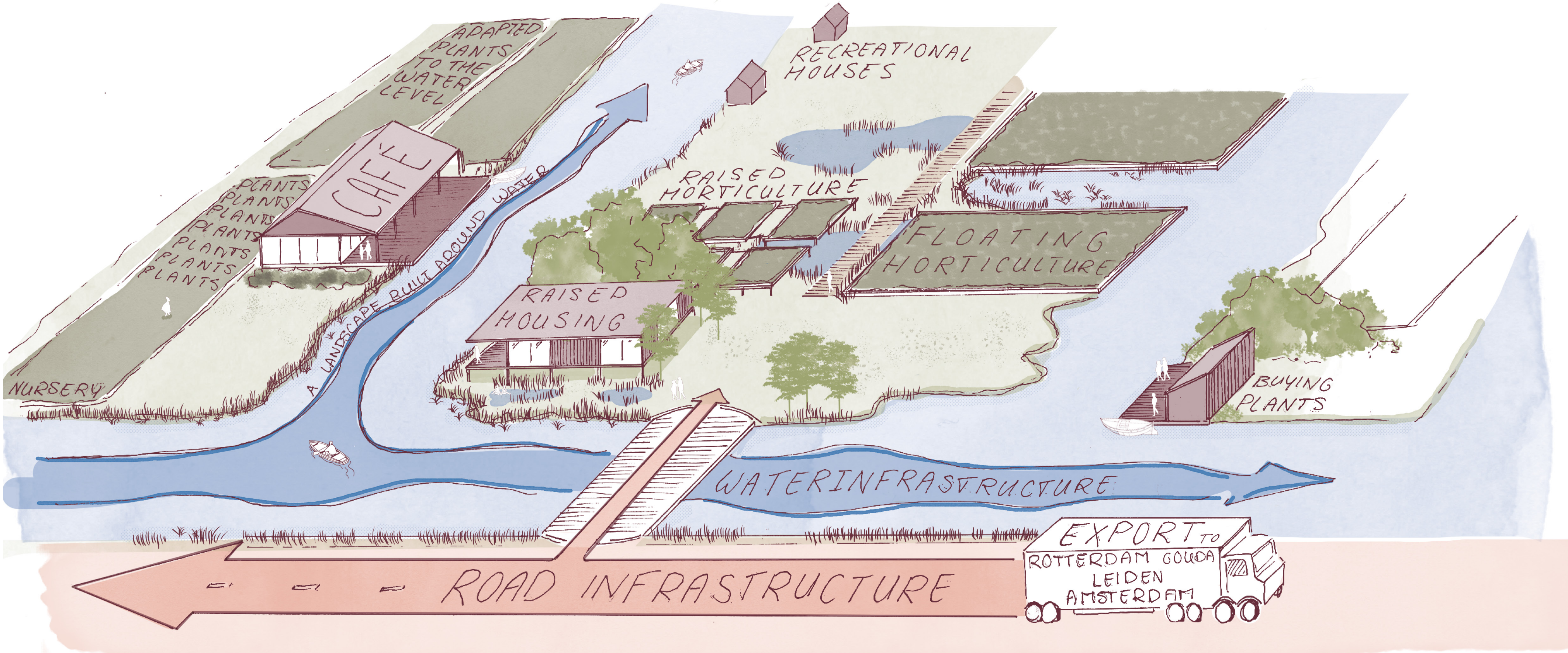
Raise the water level



Current situation



27 cm water level raise



02 ALIGNING

2.1 An Agricultural landscape

Boskoop as agricultural landscape



The landscape architect

Ecological knowledge
Spatial design



The landscape architect

The nurser

Local knowledge
Adaptive practice



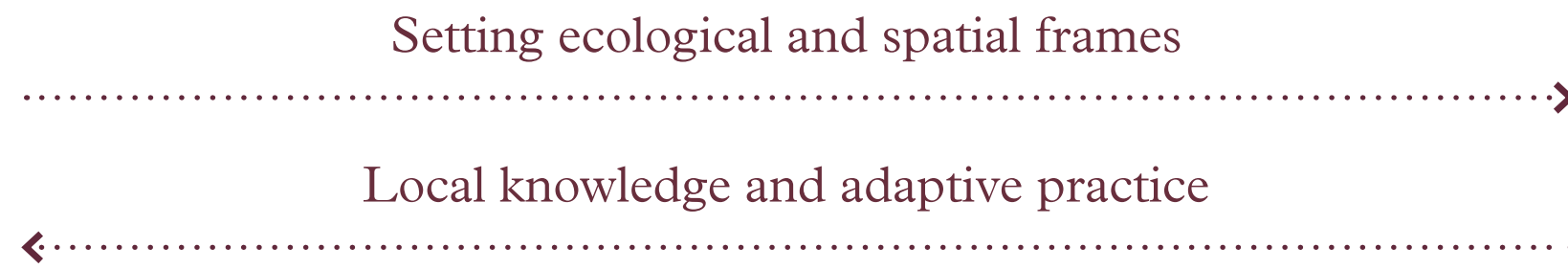
The nurser

The landscape architect

The nurser



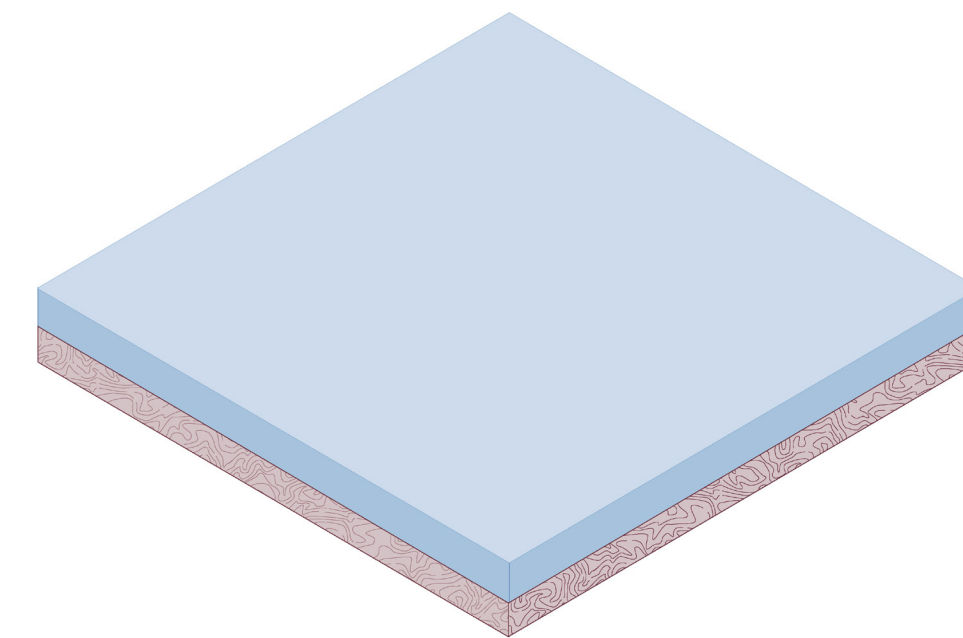
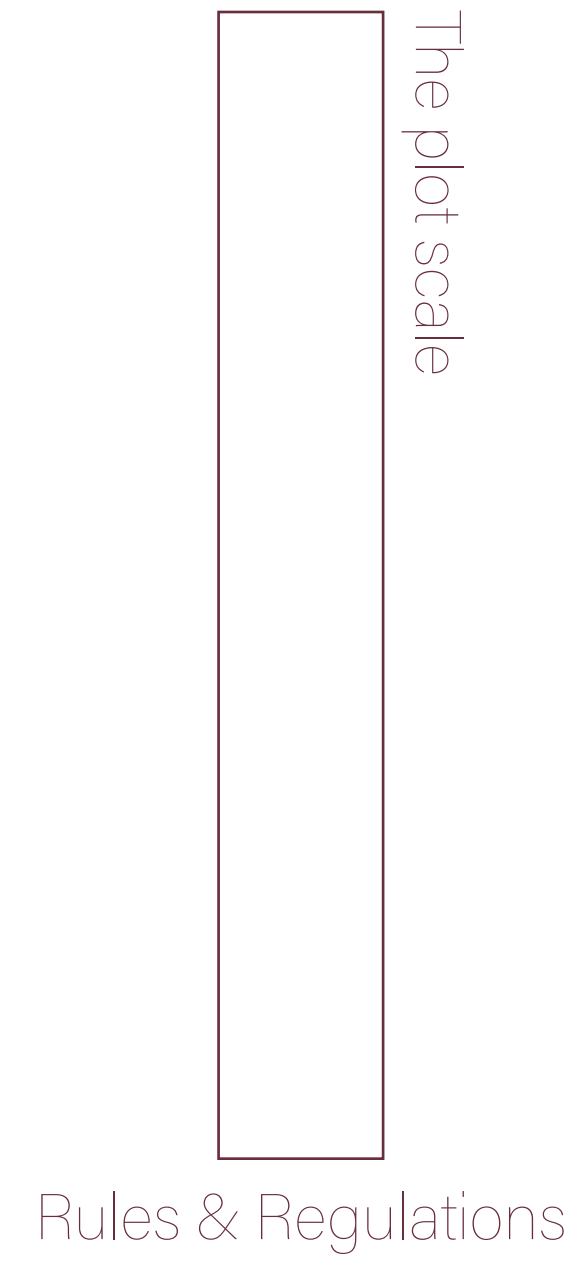
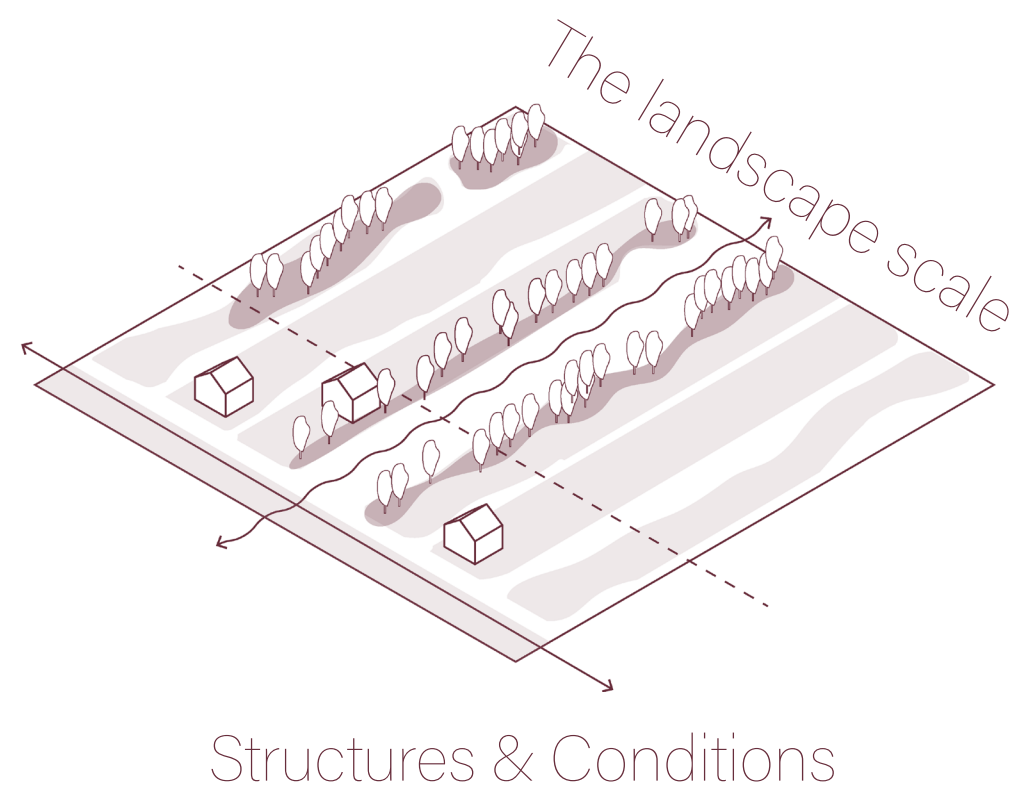
The landscape architect



The nurser

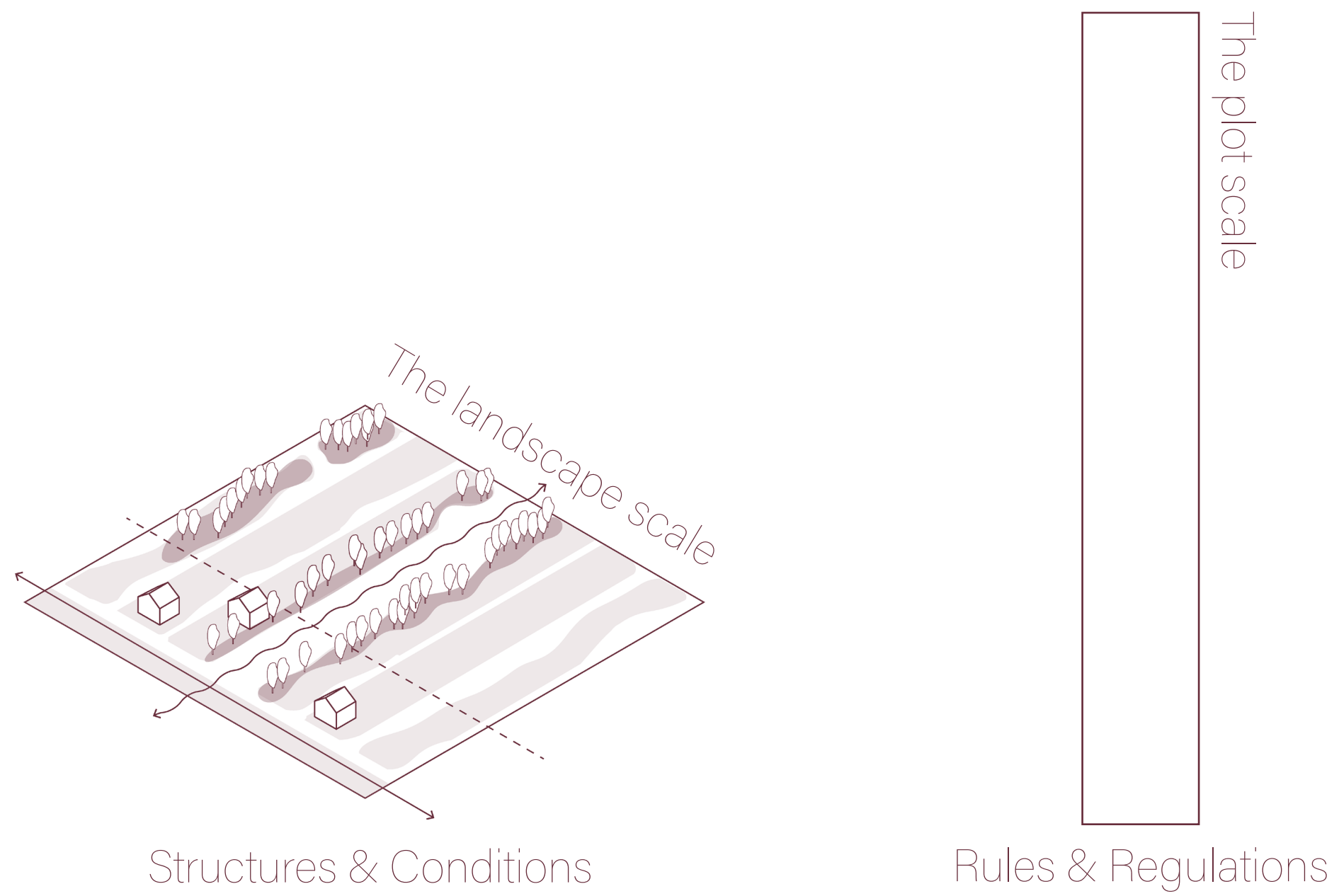
Collective framework
Setting ecological and spatial frames

Individual opportunities
Local knowledge and adaptive practice



Collective framework
Setting ecological and spatial frames

Individual opportunities
Local knowledge and adaptive practice

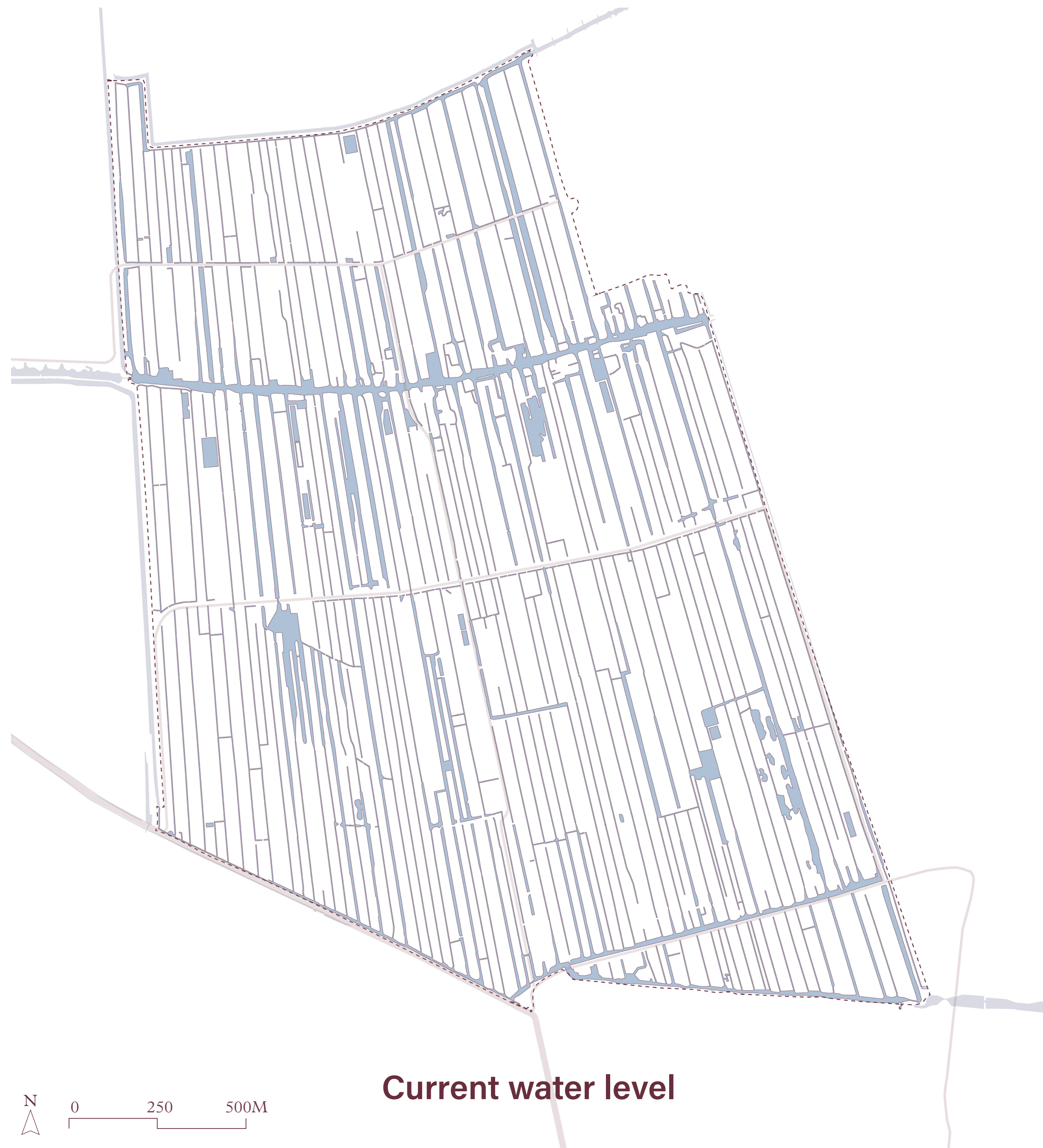


02 ALIGNING

2.2 The framework

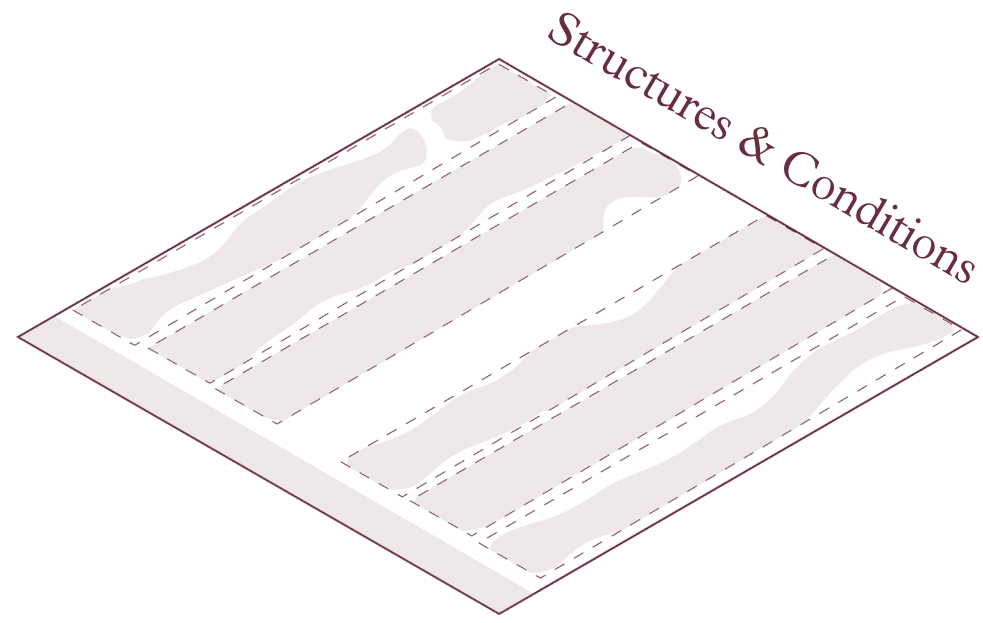


02 ALIGNING
2.2 The framework



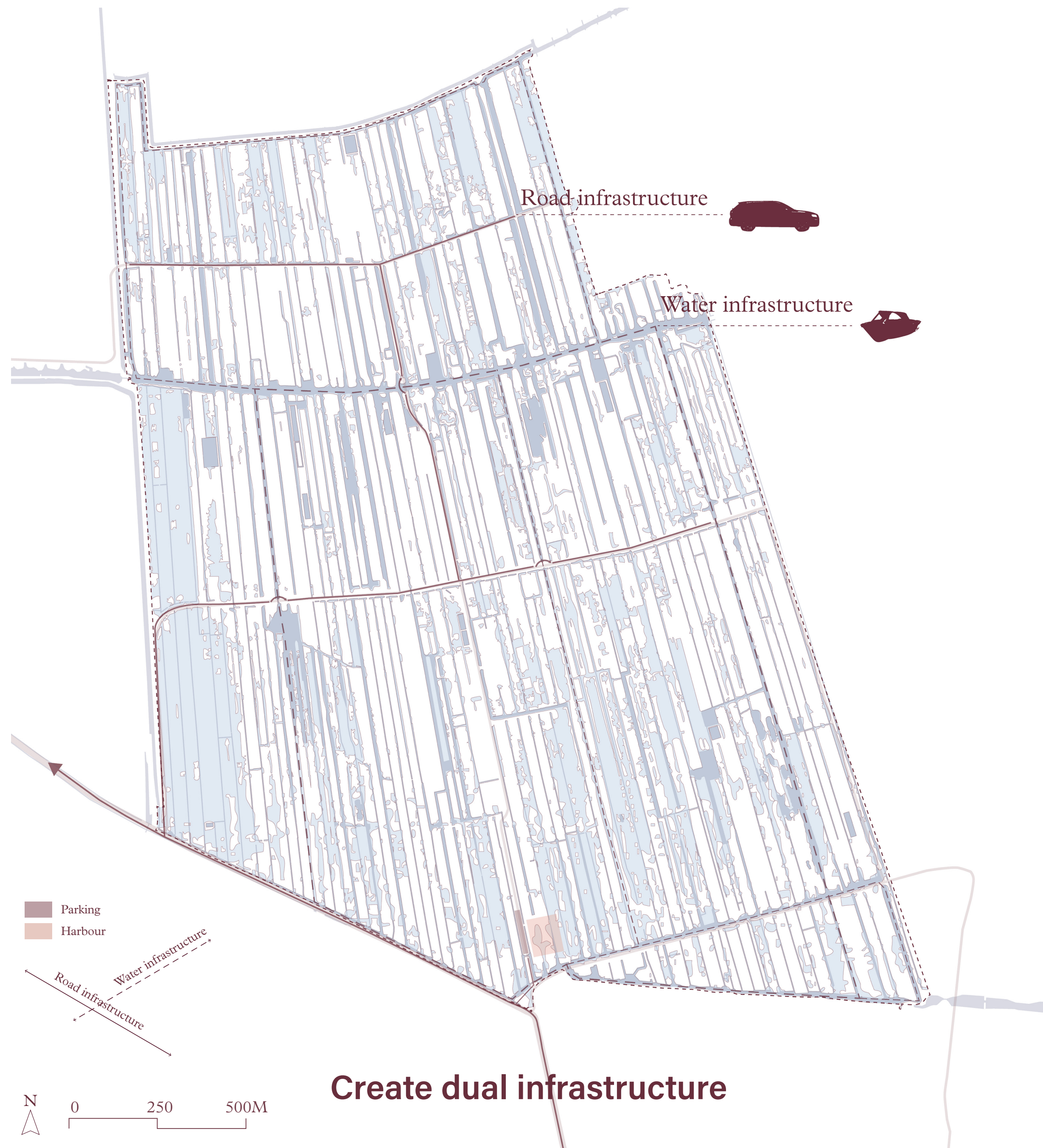
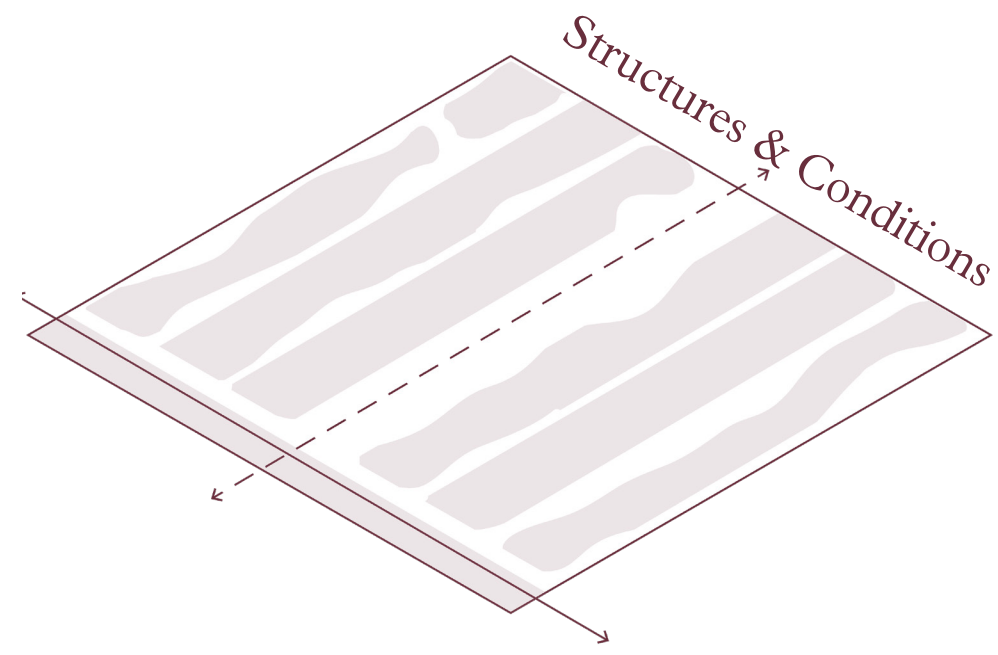
02 ALIGNING

2.2 The framework



02 ALIGNING

2.2 The framework

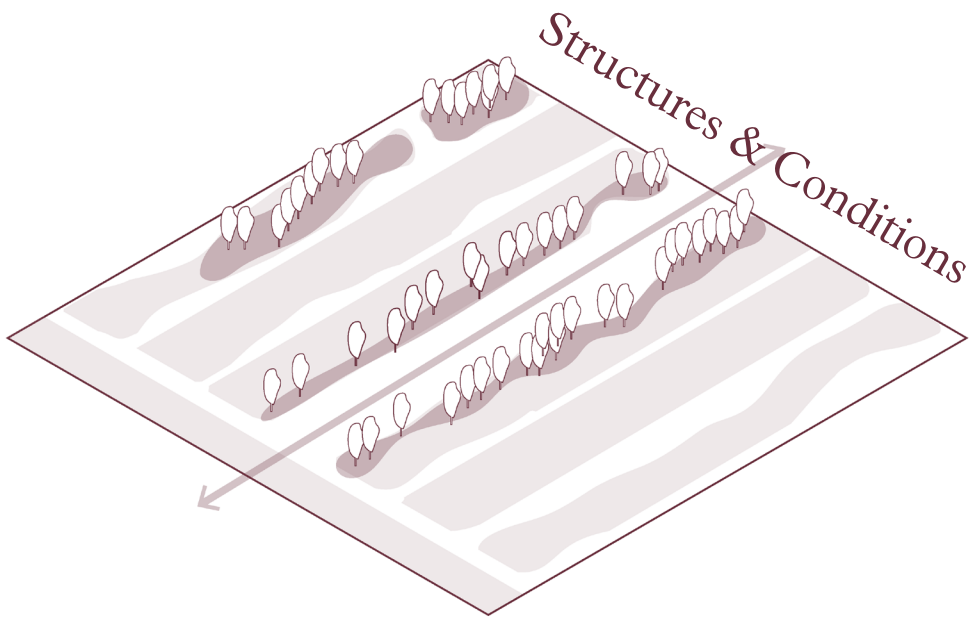


02 ALIGNING

2.2 The framework

Rules & Regulations

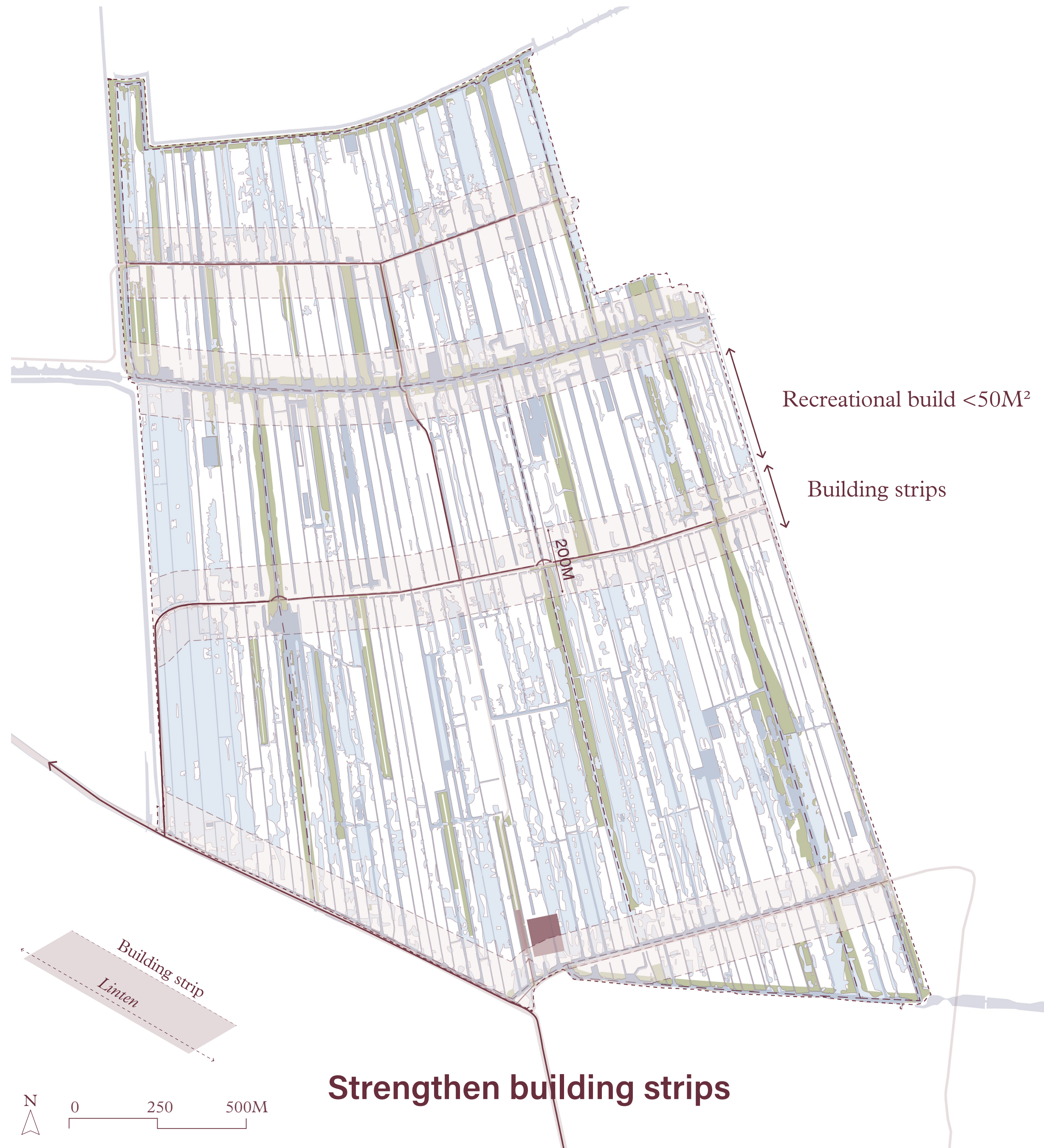
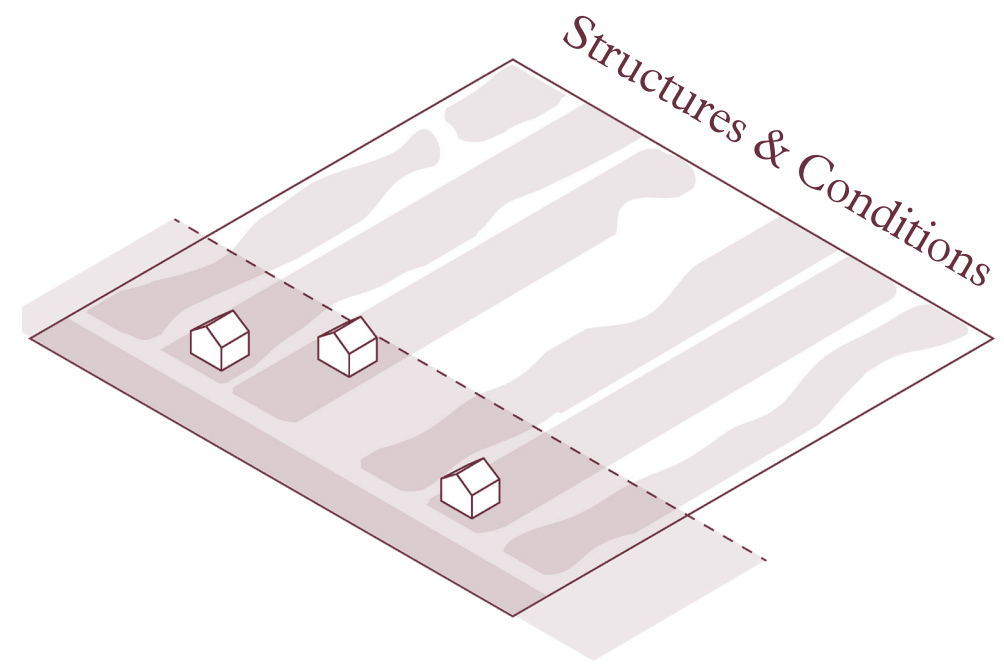
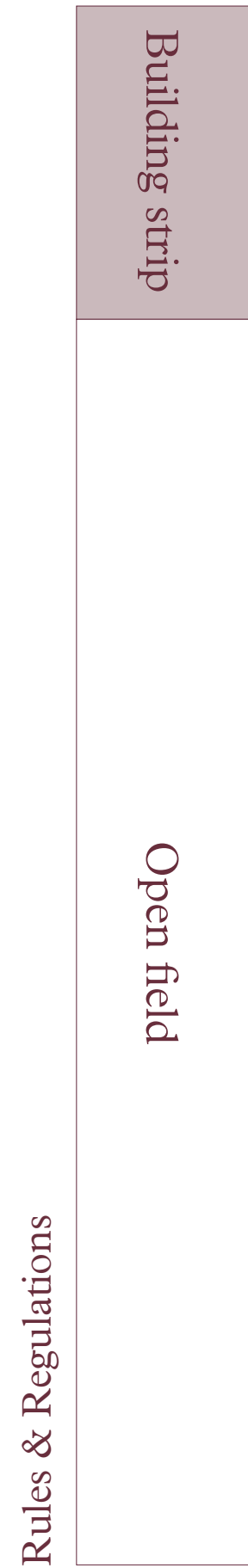
- Build and infra $\leq 20\%$
- Horticulture $\leq 60\%$
- Open peat wetland $\geq 20\%$
- Natural edges $\geq 80\%$



02 ALIGNING

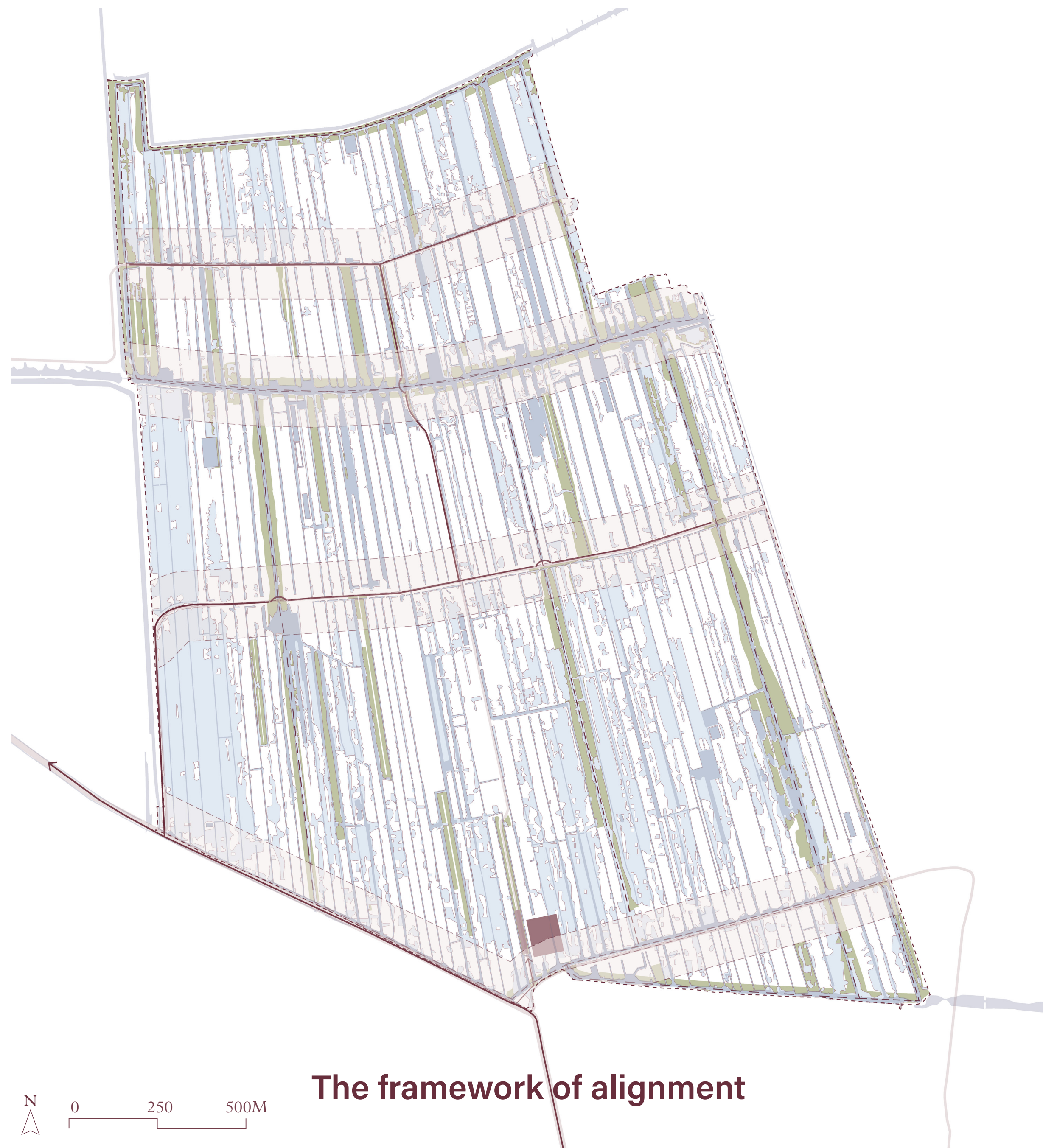
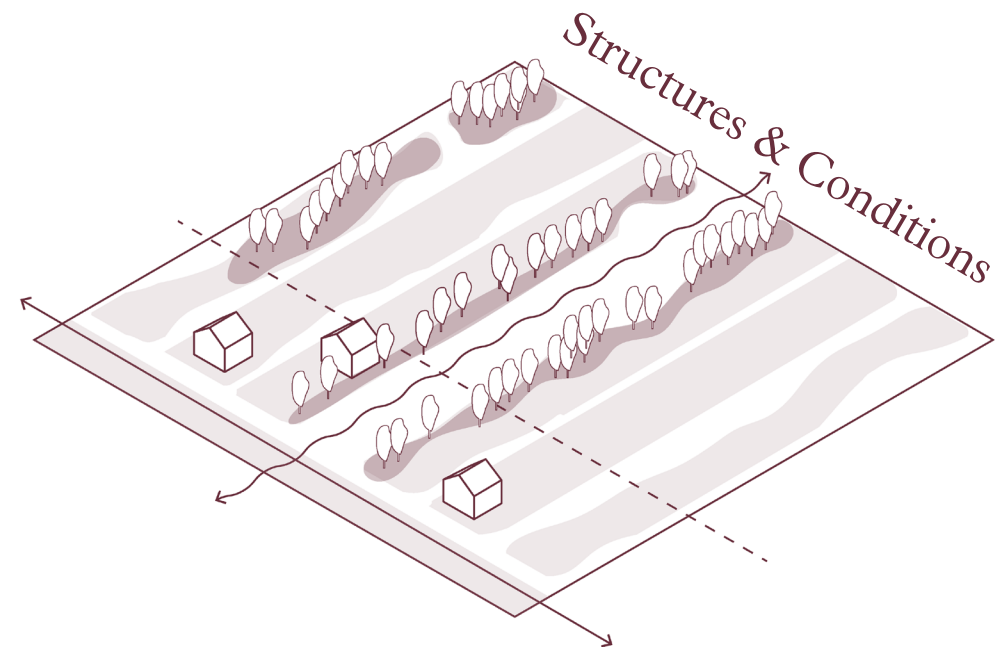
2.2 The framework

← The linden →



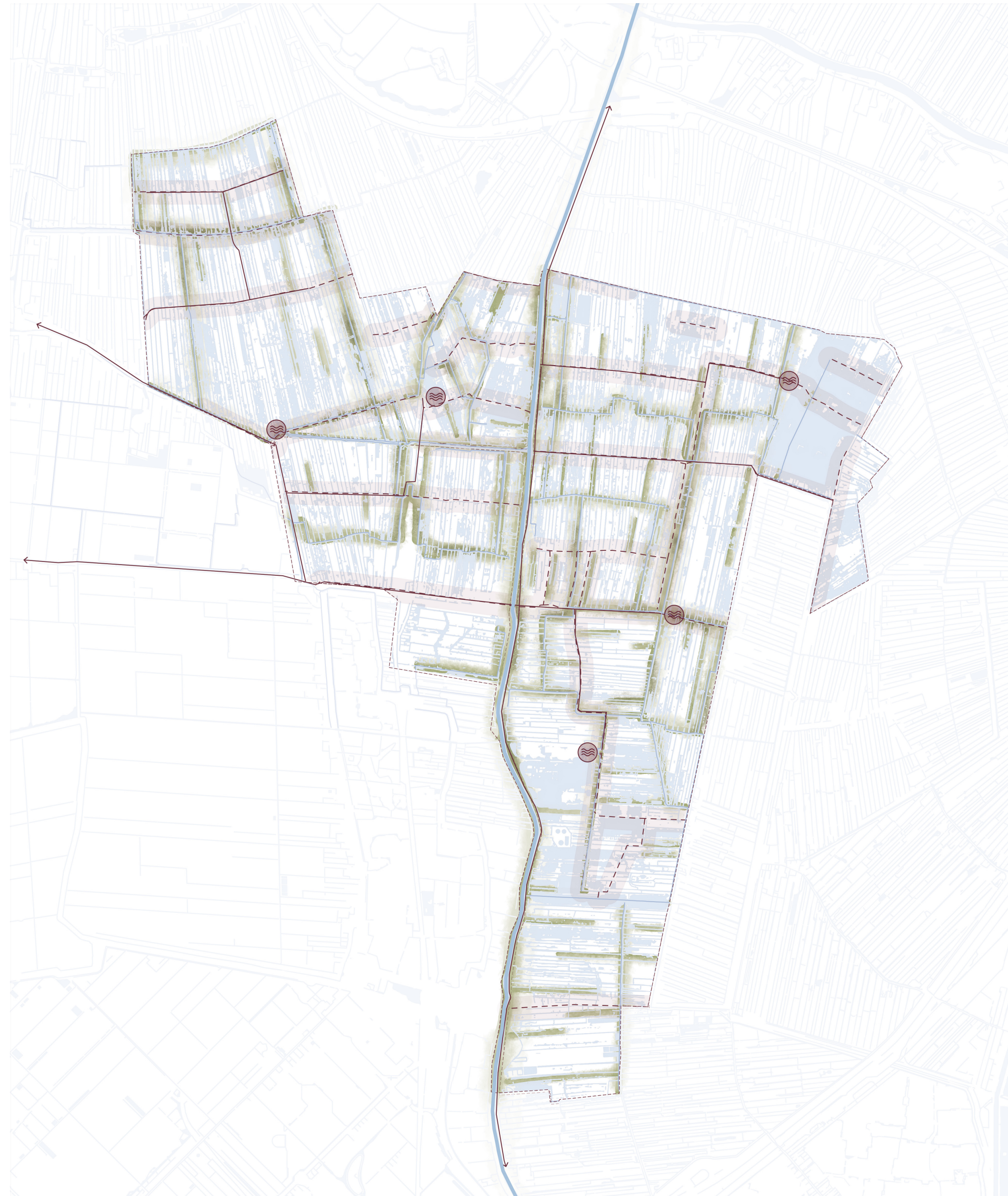
02 ALIGNING

2.2 The framework



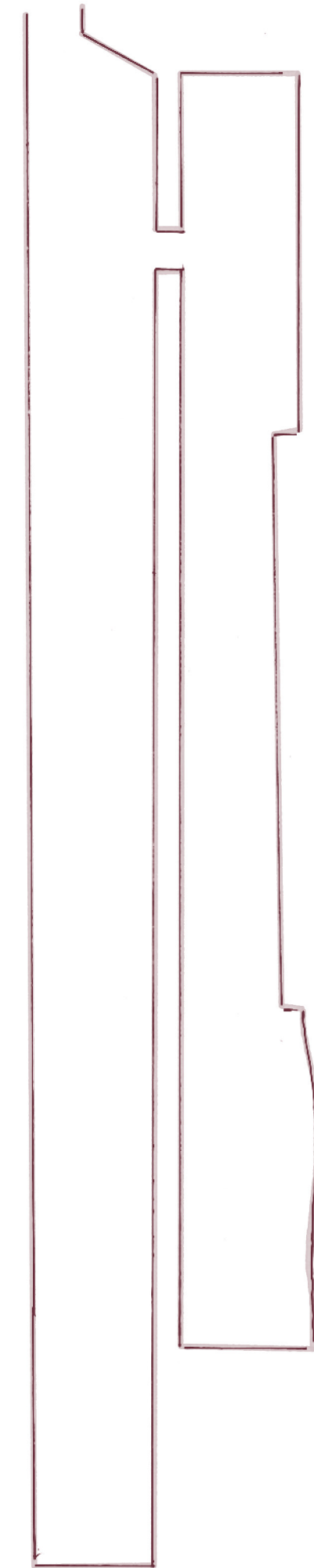
02 ALIGNING

2.2 The framework





Phasing | Current situation



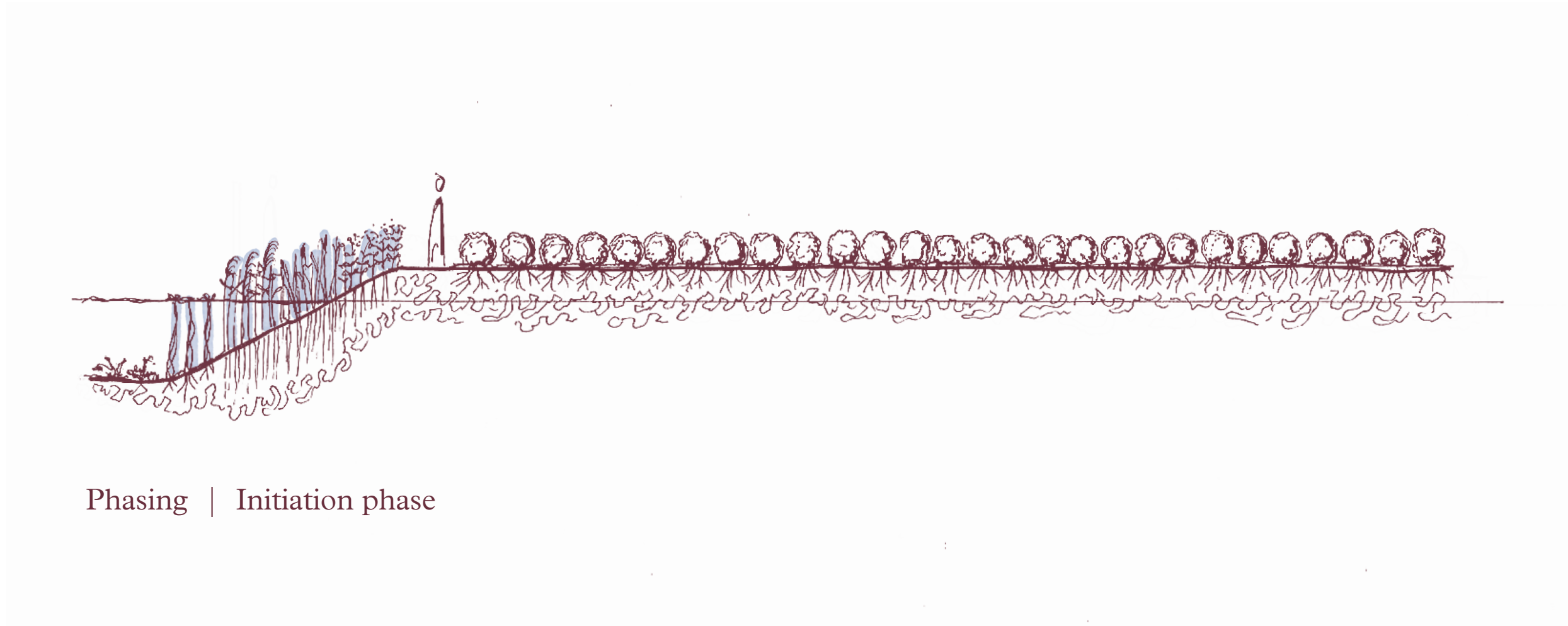
Hydroshift moment

Initiation phase

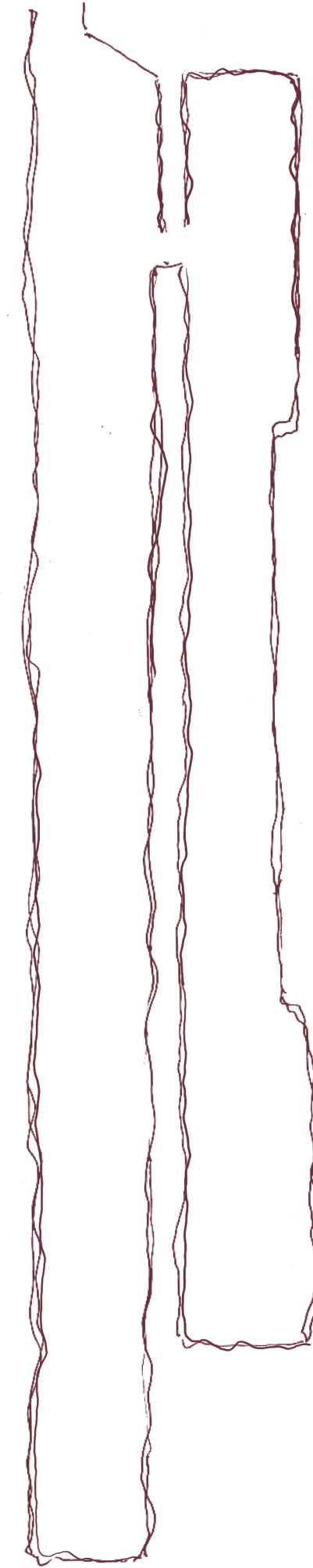
Preparation phase

Adaptation phase

Functioning phase



Phasing | Initiation phase



Hydroshift moment

Initiation phase

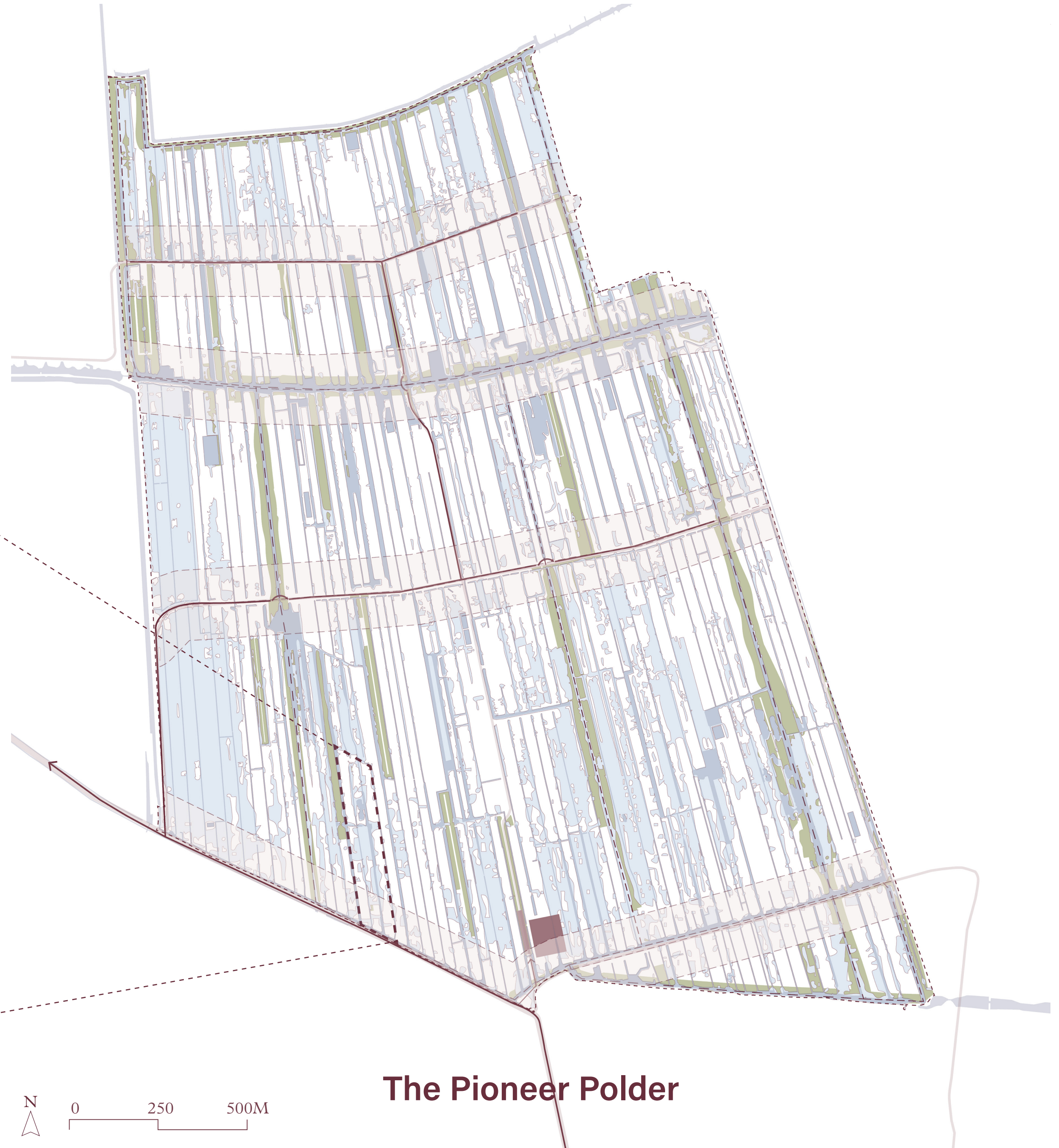
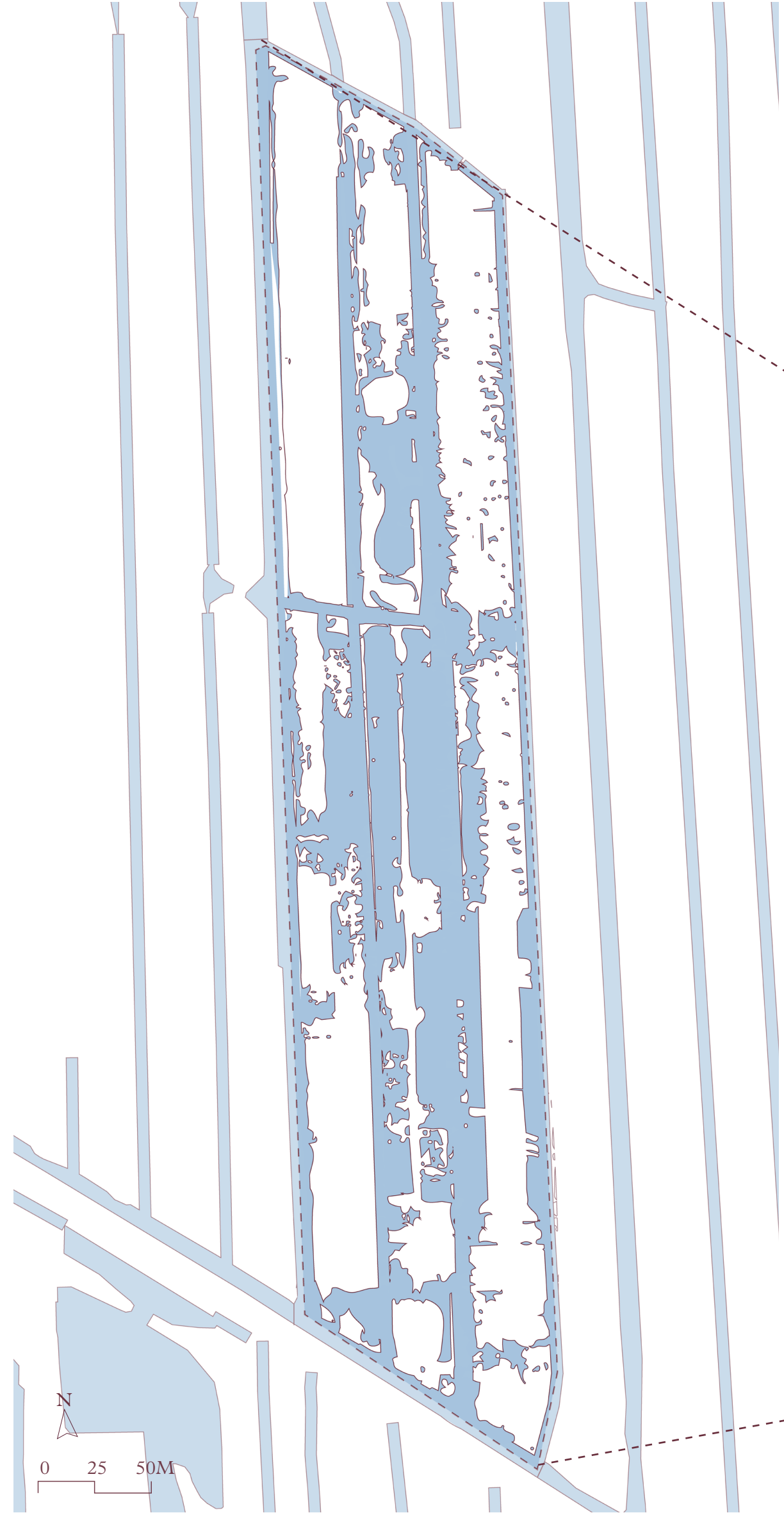
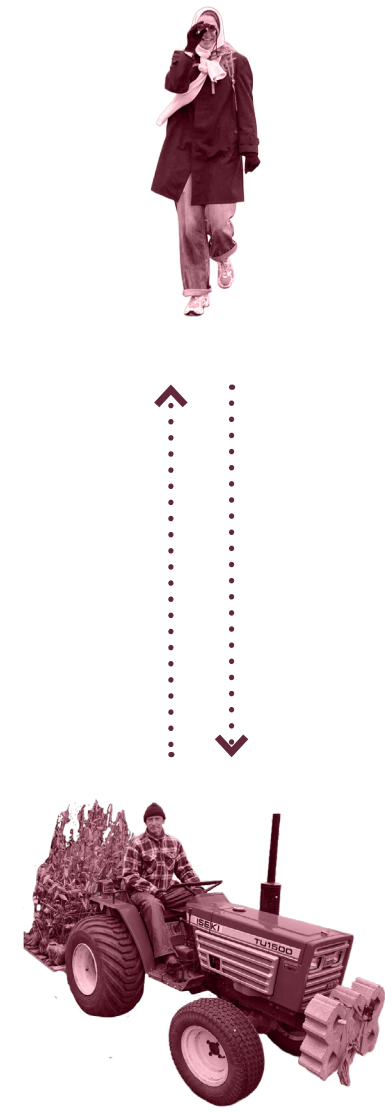
Preparation phase

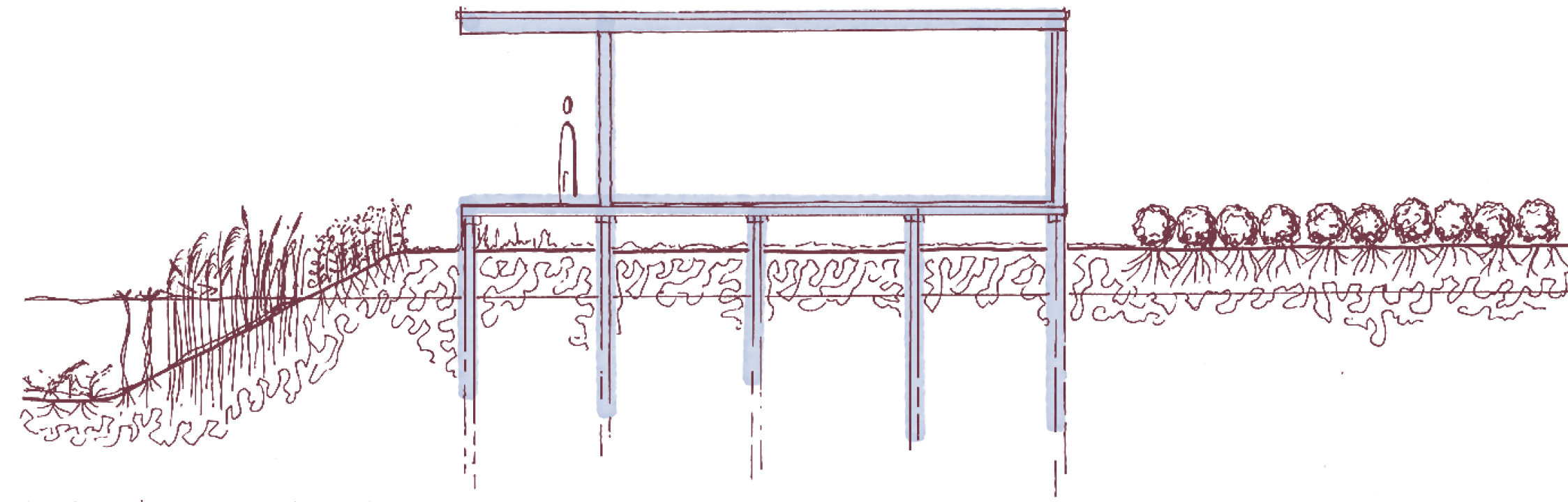
Adaptation phase

Functioning phase

02 ALIGNING

2.4 The pioneerpolder





Phasing | Preparation phase



Hydroshift moment

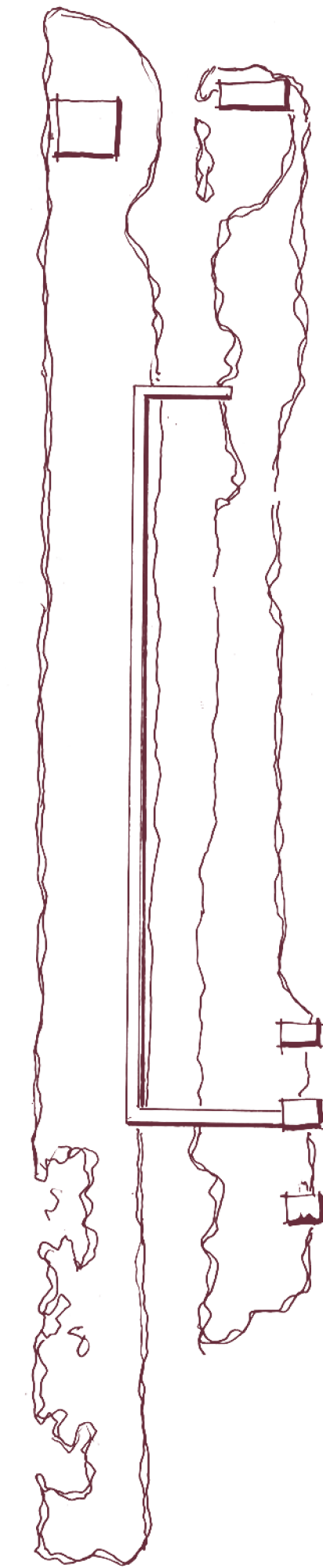
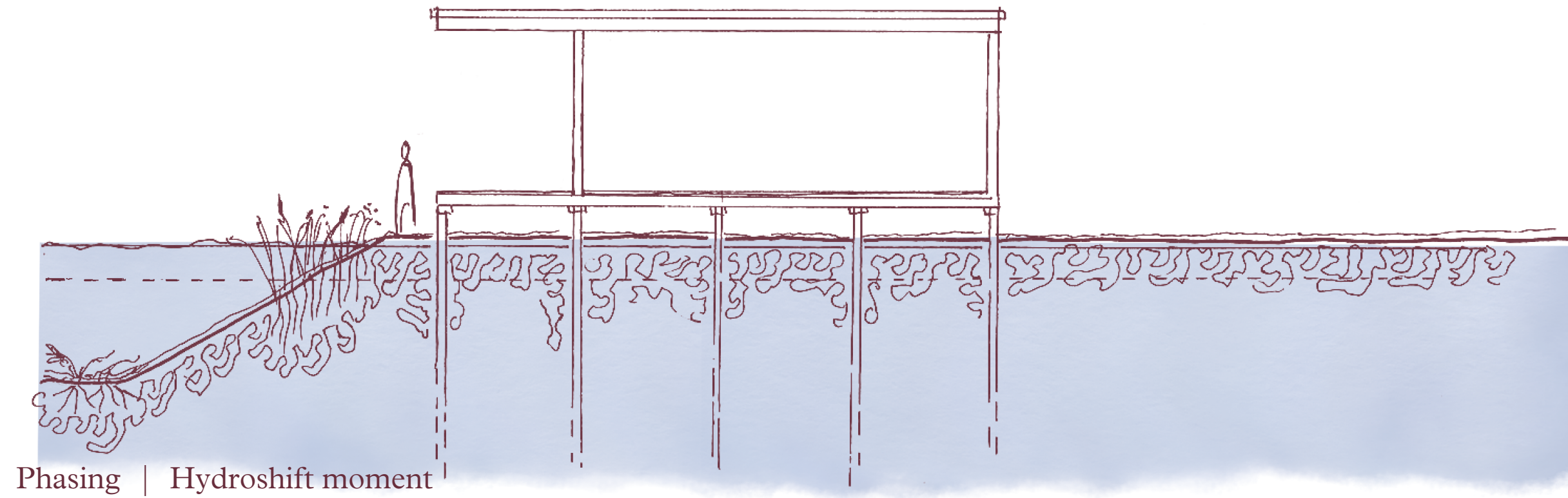


Initiation phase

Preparation phase

Adaptation phase

Functioning phase



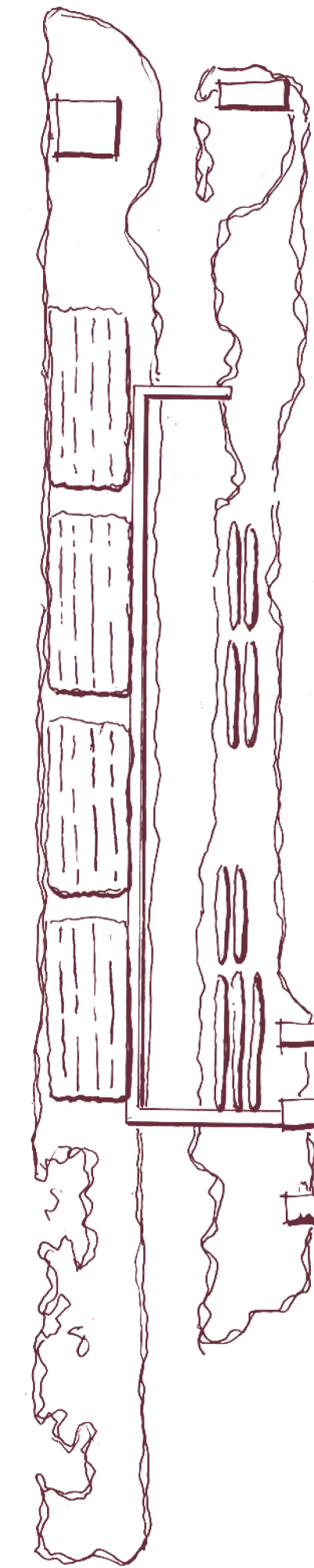
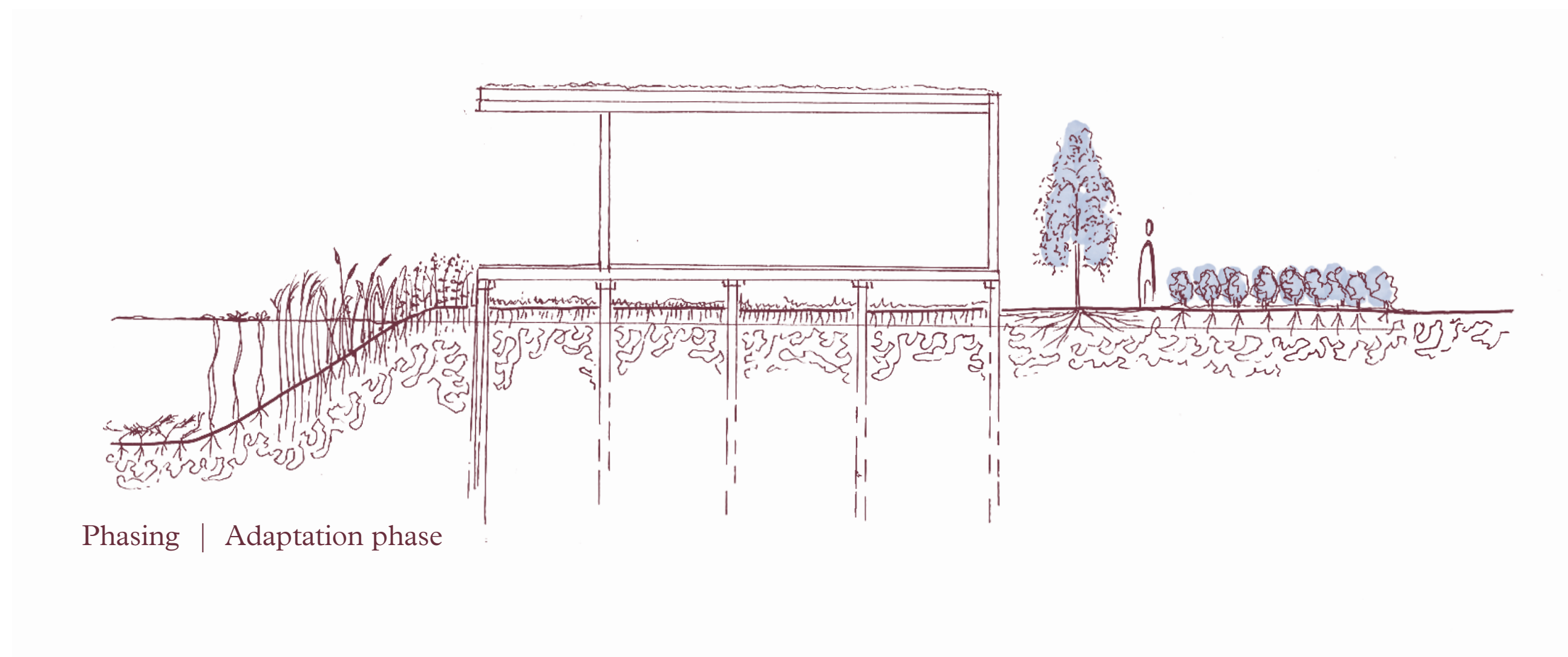
Hydrosift moment

Initiation phase

Preparation phase

Adaptation phase

Functioning phase



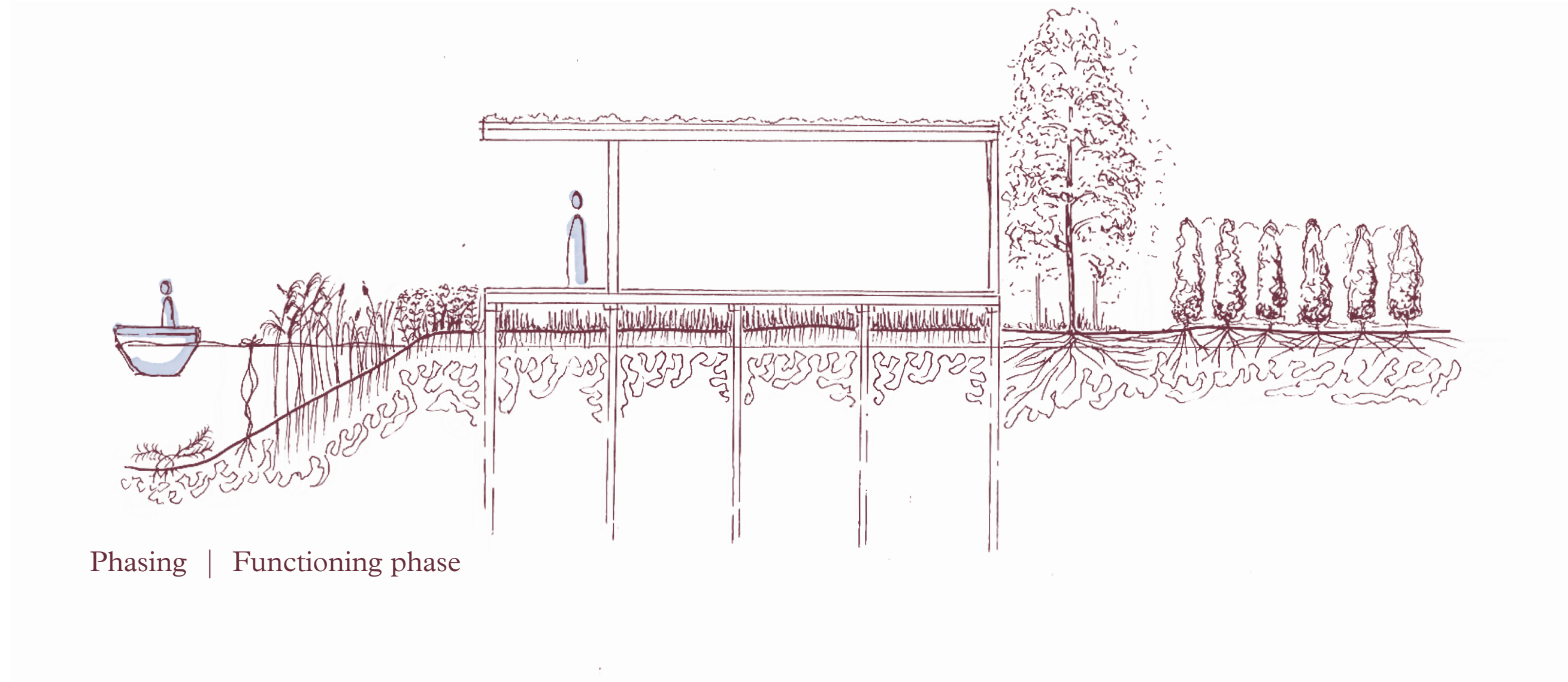
Hydroshift moment

Initiation phase

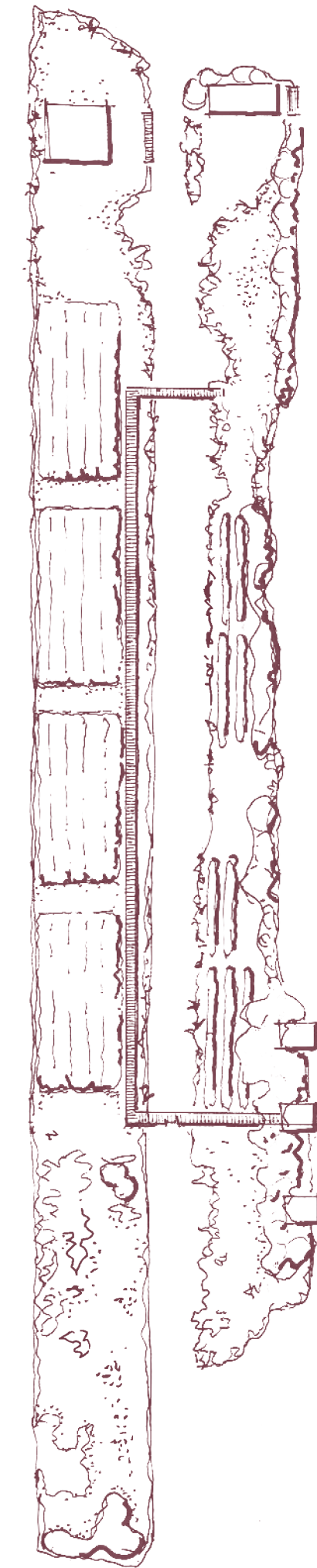
Preparation phase

Adaptation phase

Functioning phase



Phasing | Functioning phase



Hydroshift moment

Initiation phase

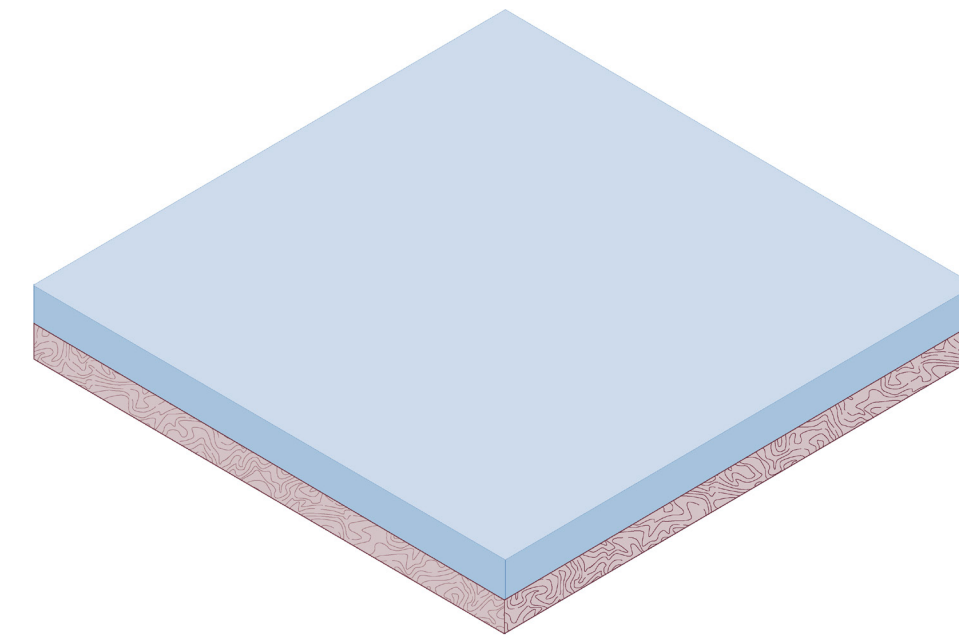
Preparation phase

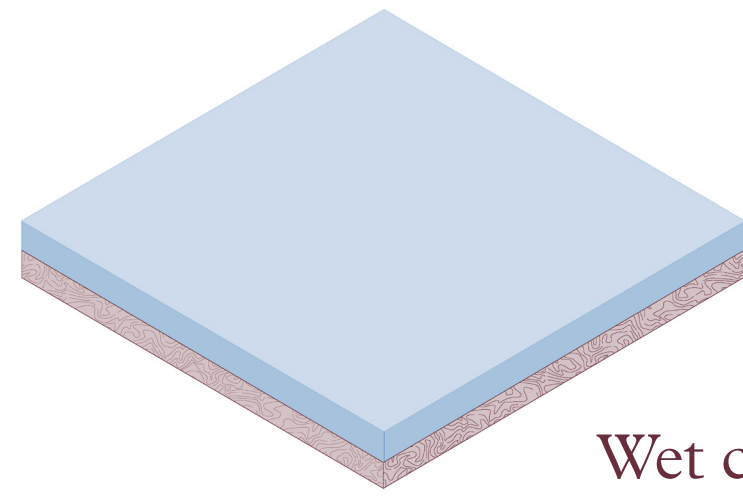
Adaptation phase

Functioning phase

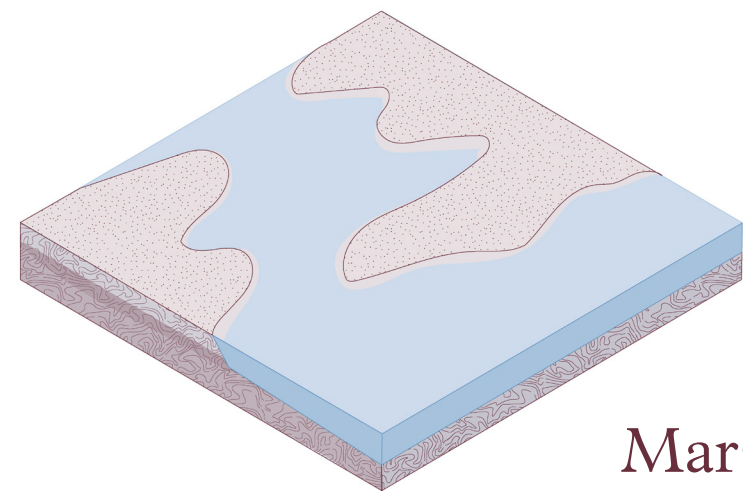
Collective framework
Setting ecological and spatial frames

Individual opportunities
Local knowledge and adaptive practice

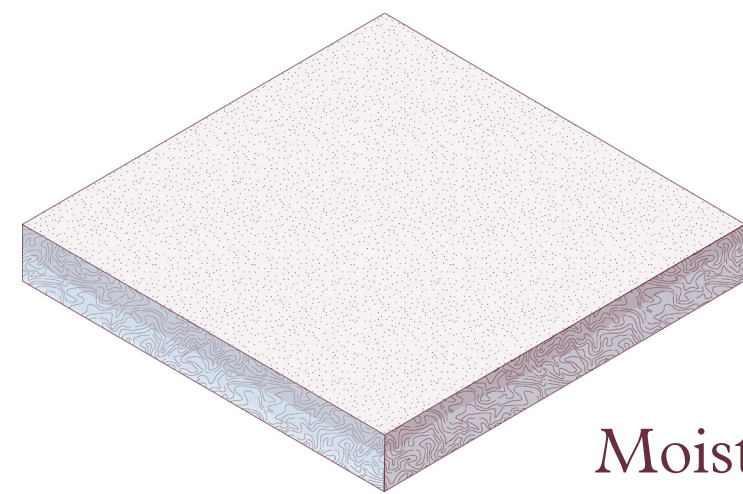




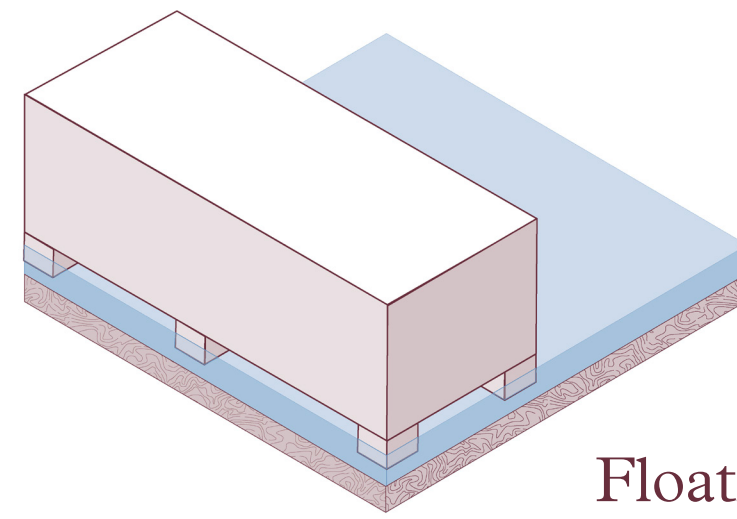
Wet conditions



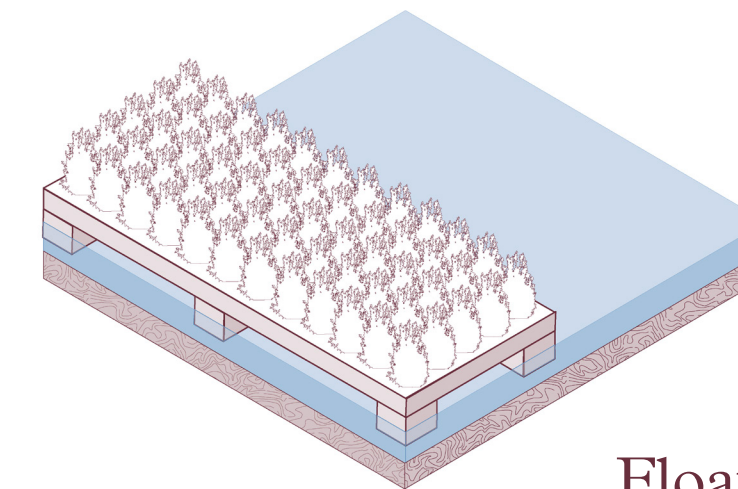
Marshy conditions



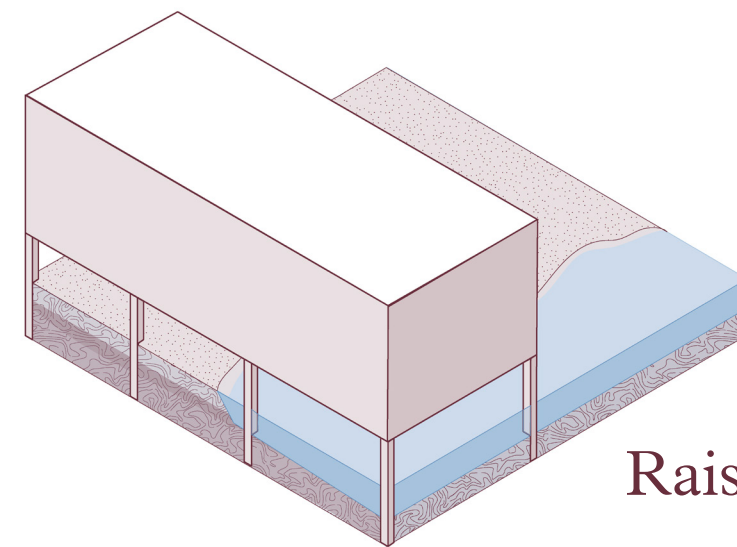
Moist conditions



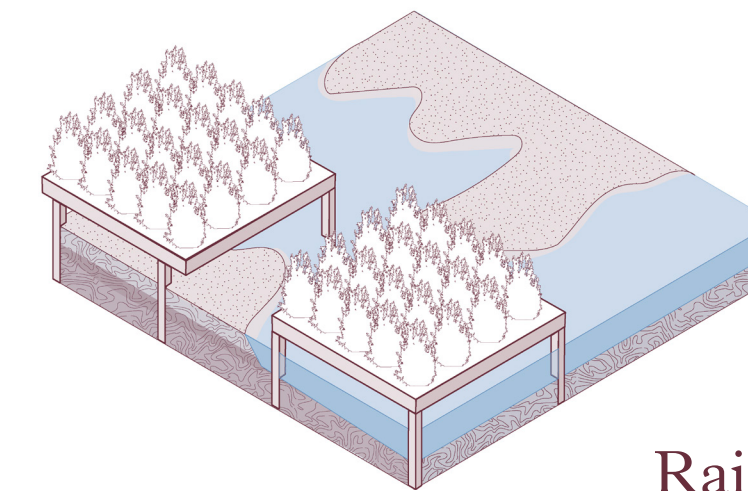
Floating



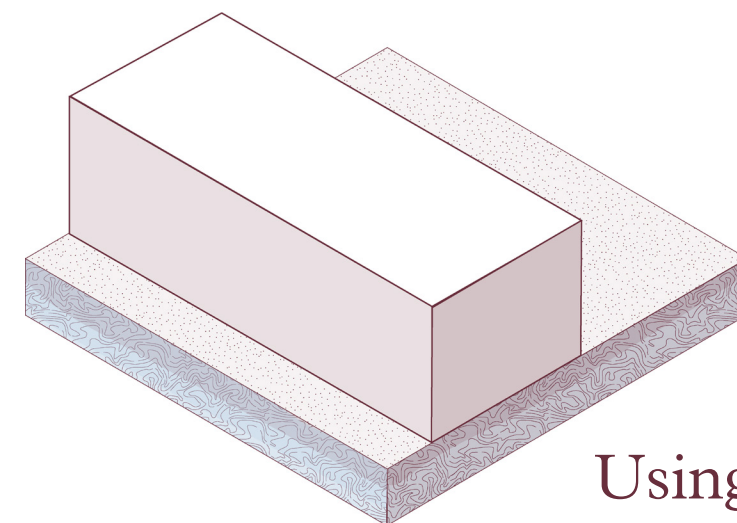
Floating horticulture



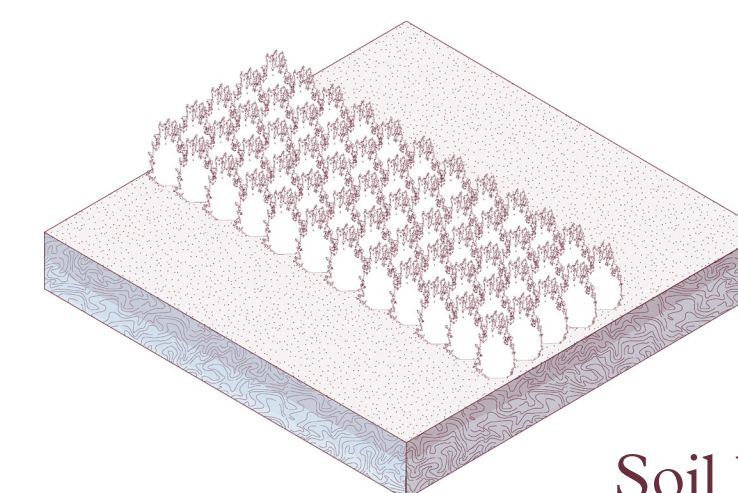
Raised



Raised horticulture



Using existing



Soil based horticulture



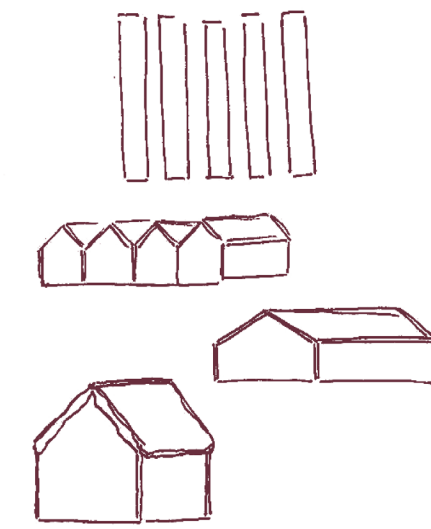
The Dweller

House
1 - 1.5 plots



The Hobby grower

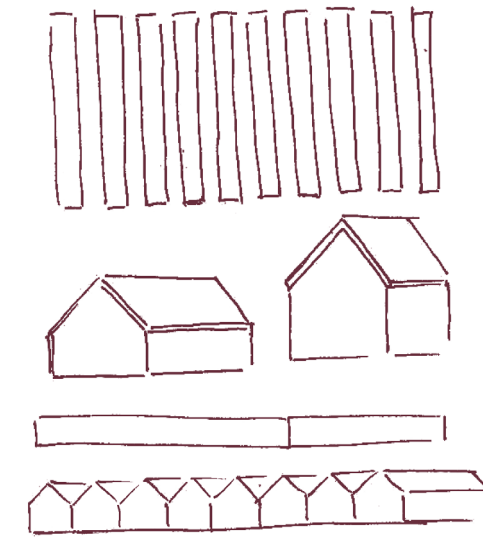
House + Shed
1 - 2 plots



The Horticultural household

House + Shed +
Greenhouse
2 - 5 plots

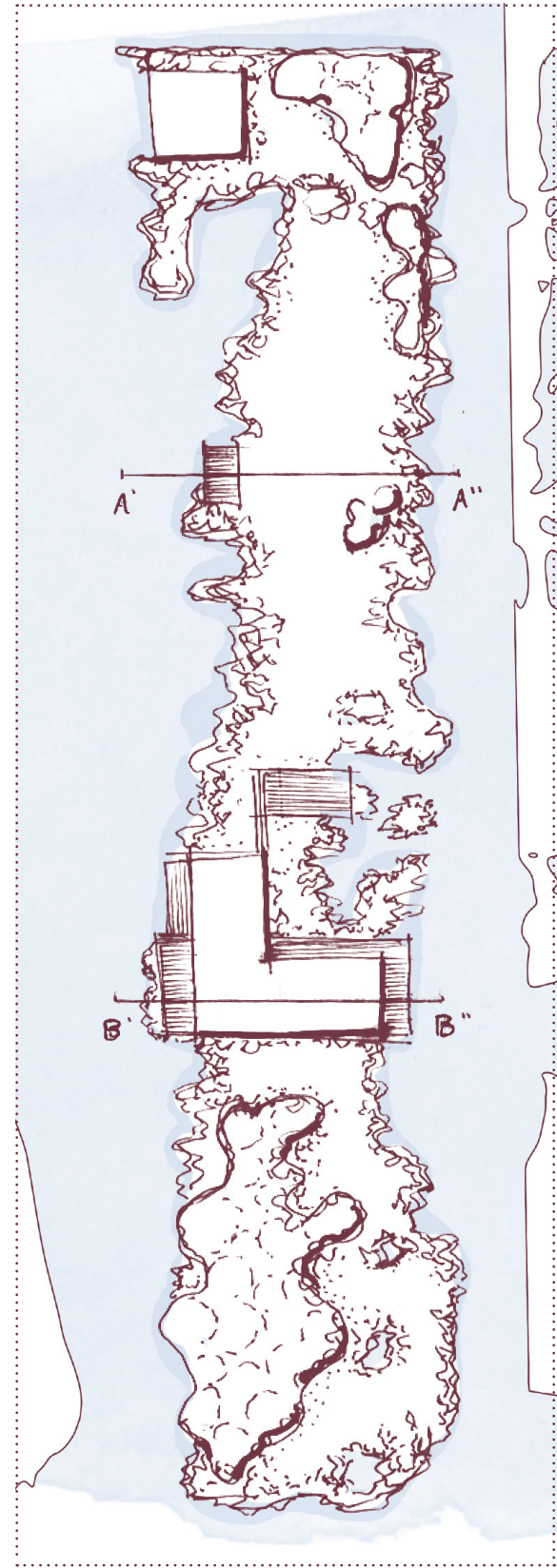
1 - 5 employees



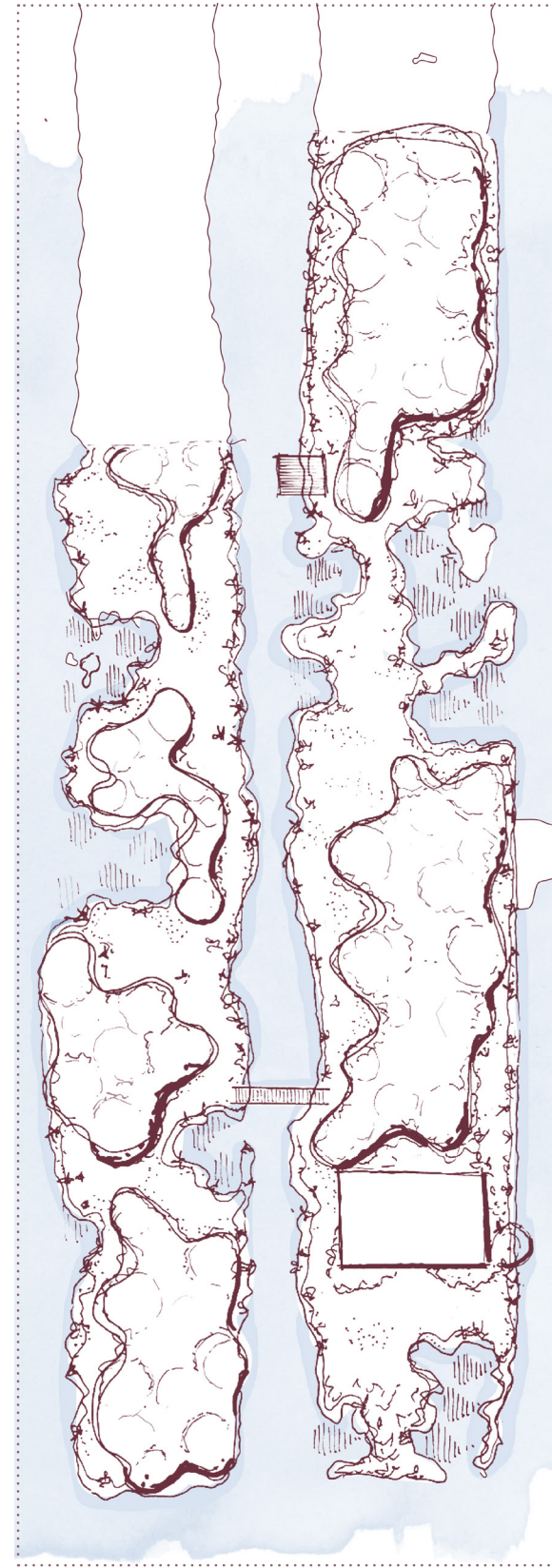
The Horticultural business

multiple houses + Sheds
+ Greenhouse
5 - 10 plots

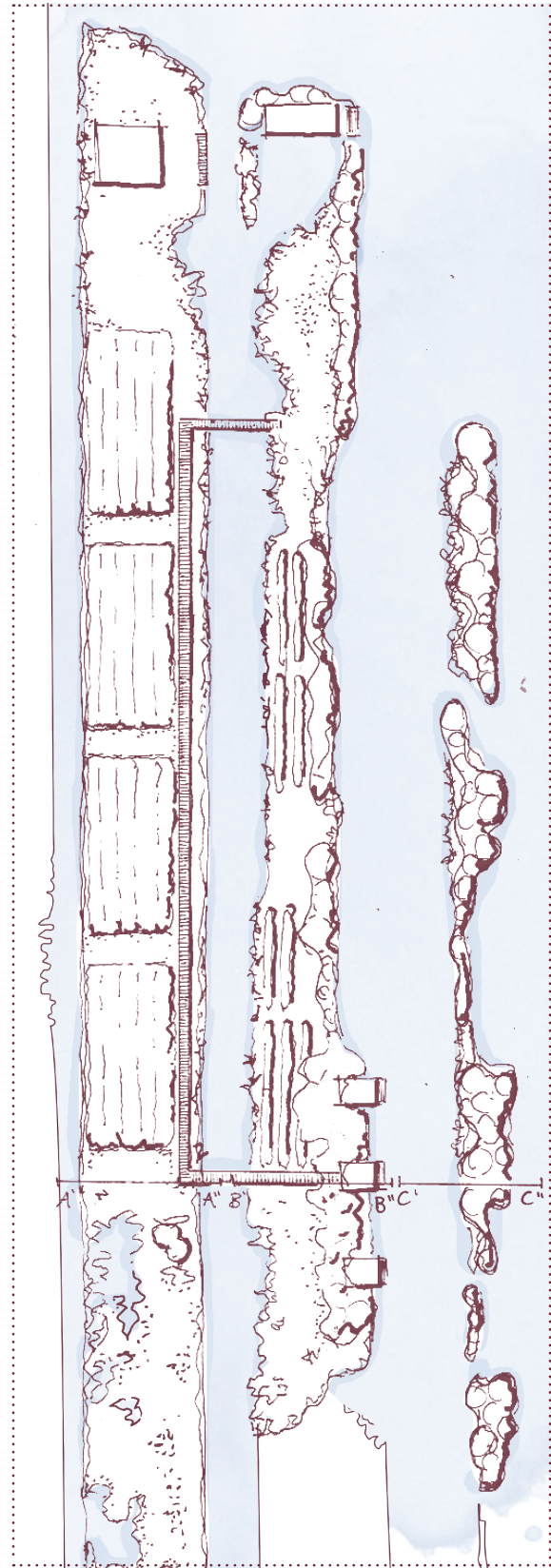
> 5 employees



The dweller I



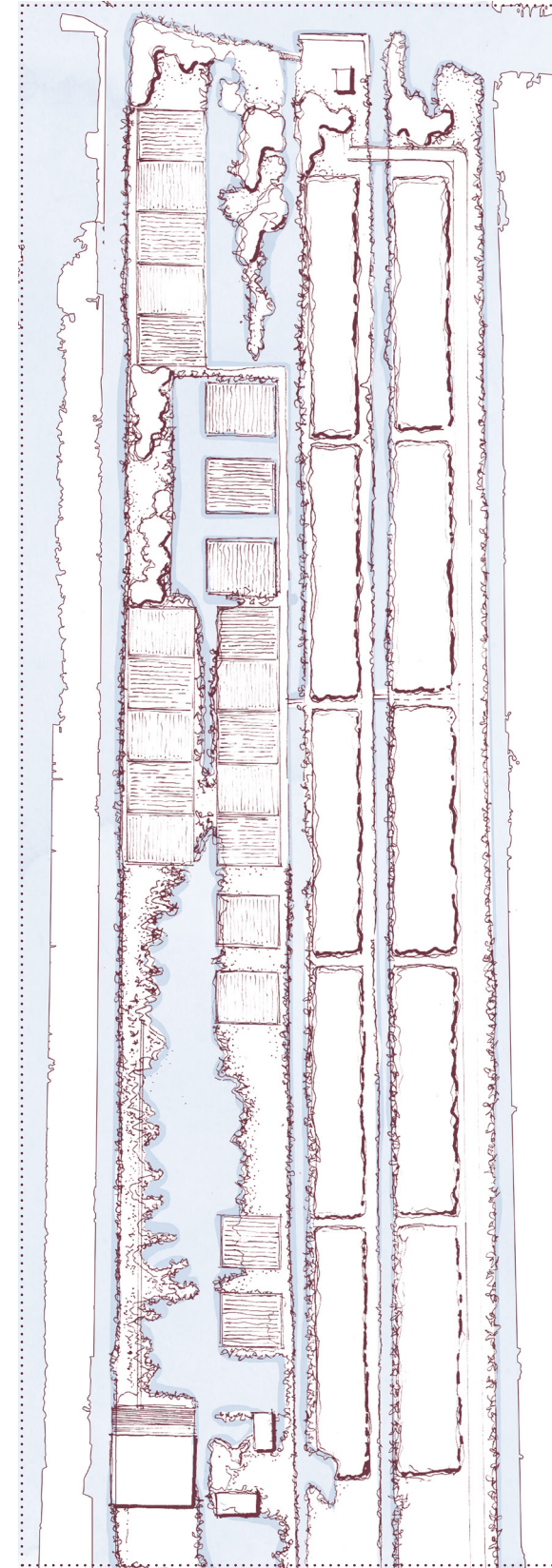
The dweller II



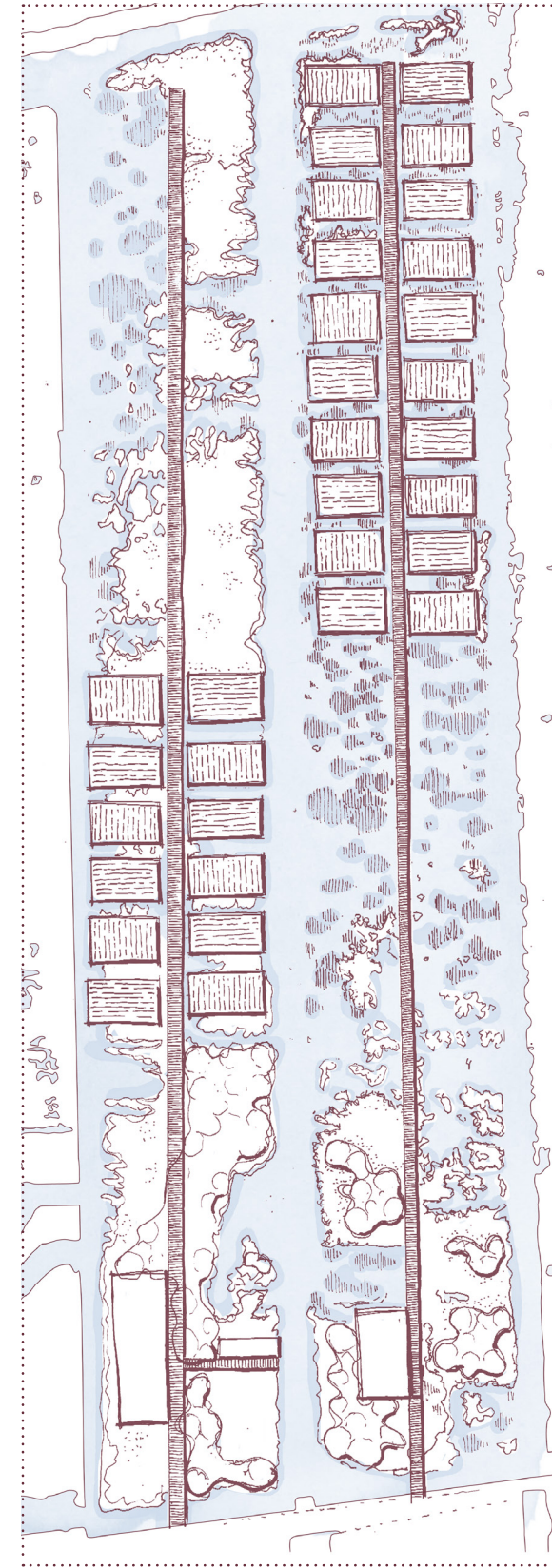
The Hobbygrower I



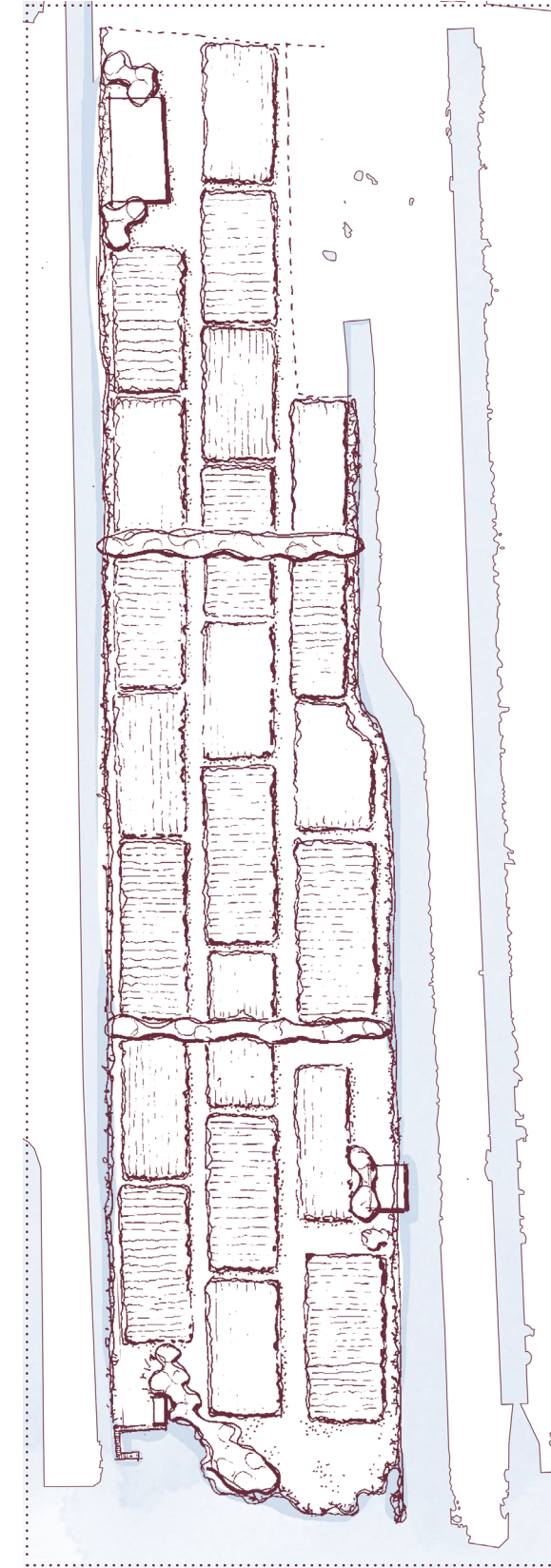
The Hobbygrower II



The Horticultural household I



The Horticultural household II



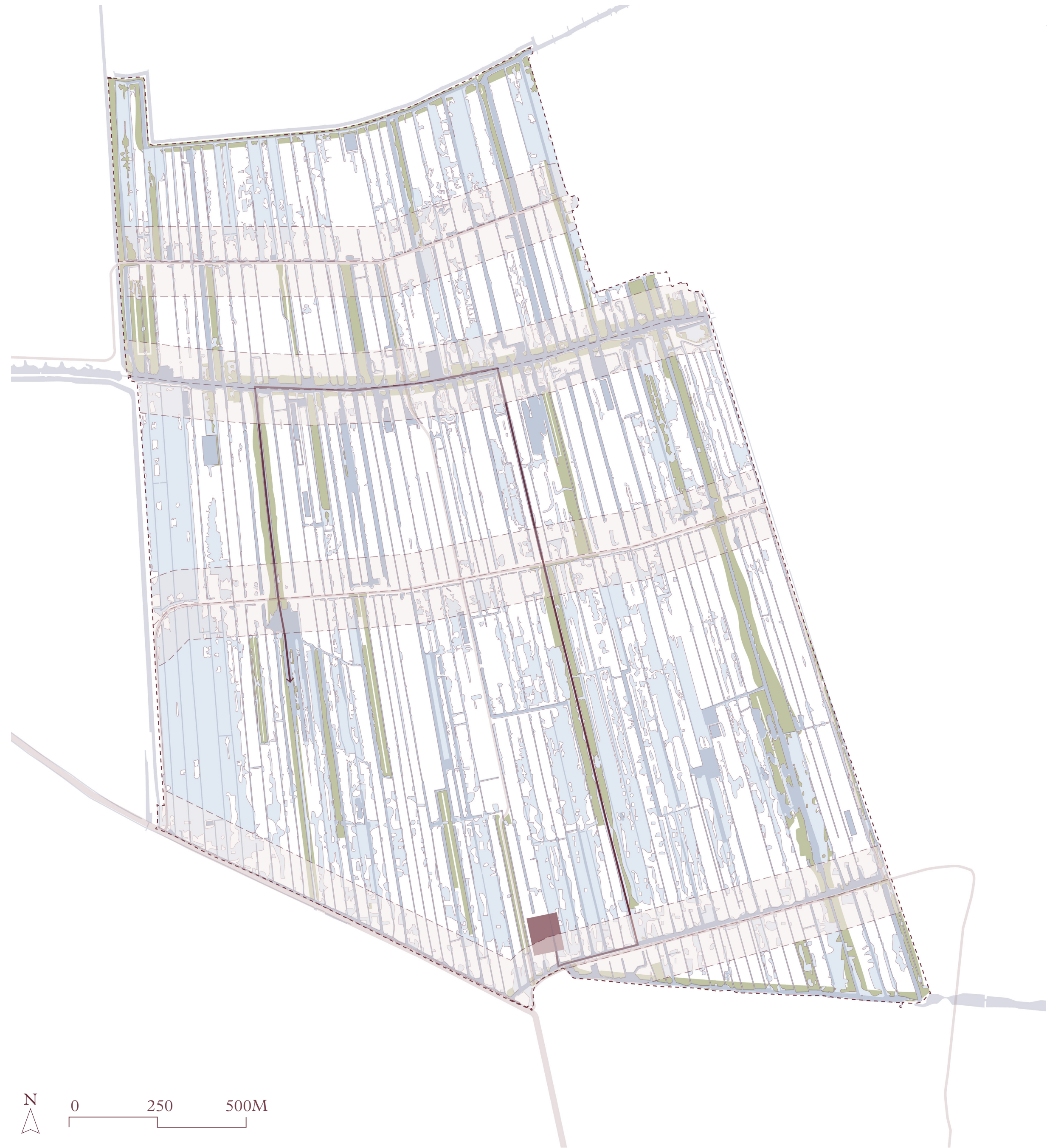
The Horticultural business I

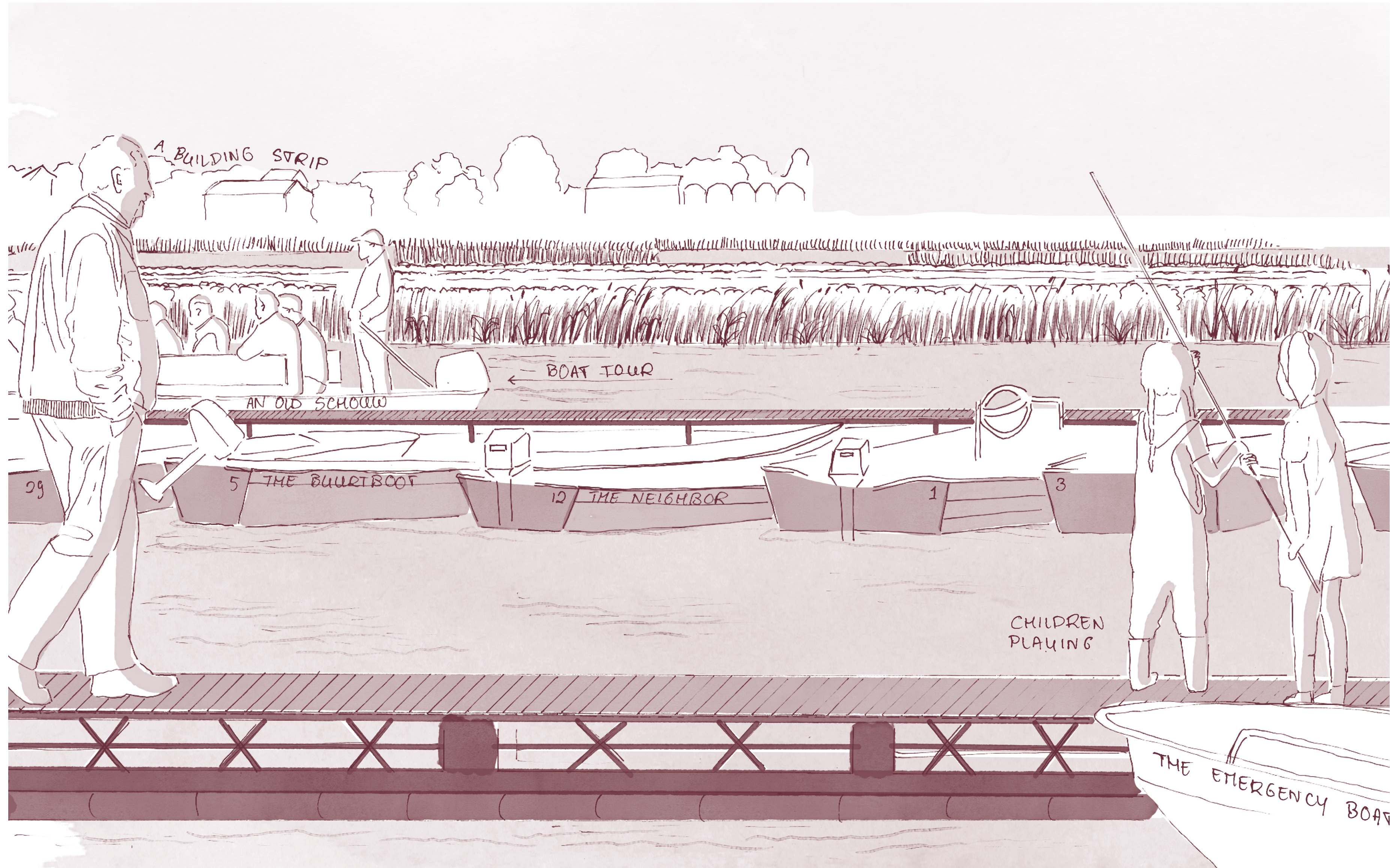
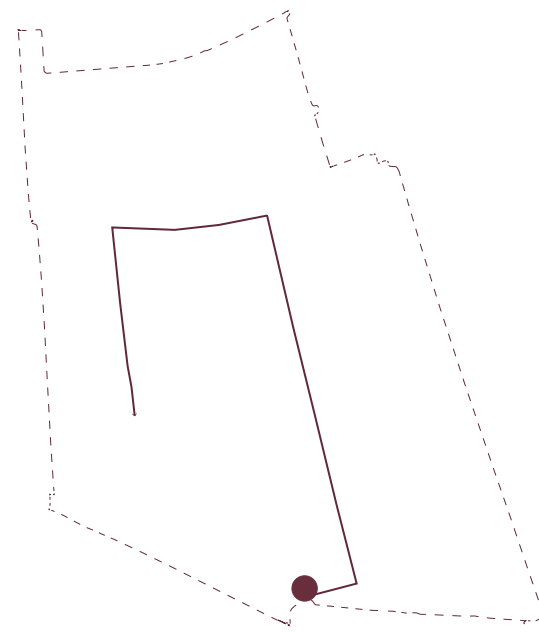


The Horticultural business II

04 IMAGINING

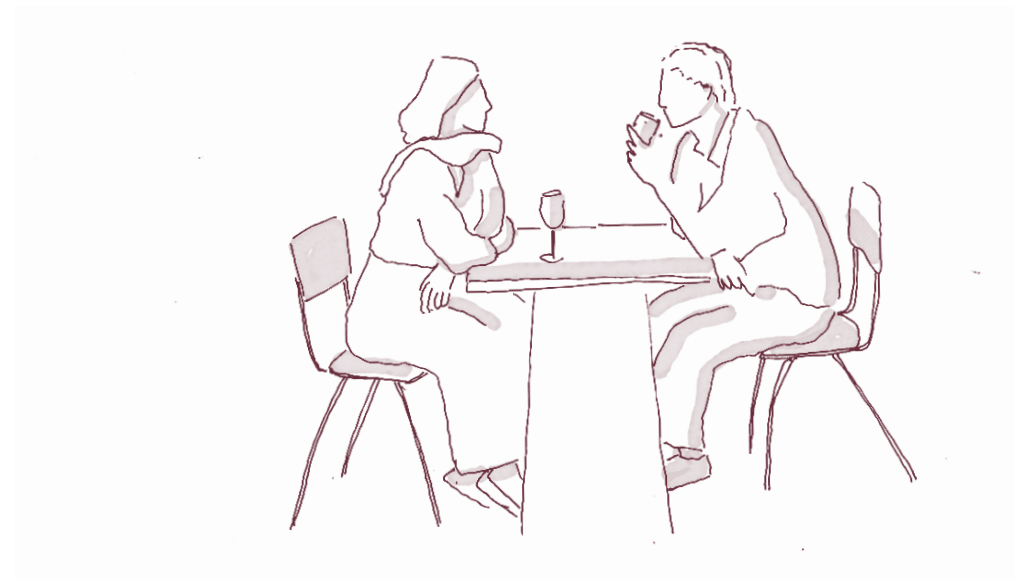
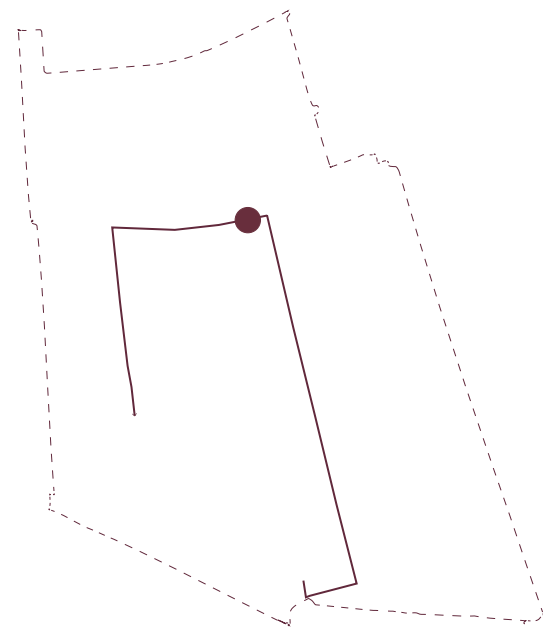
4.1 A future perspective



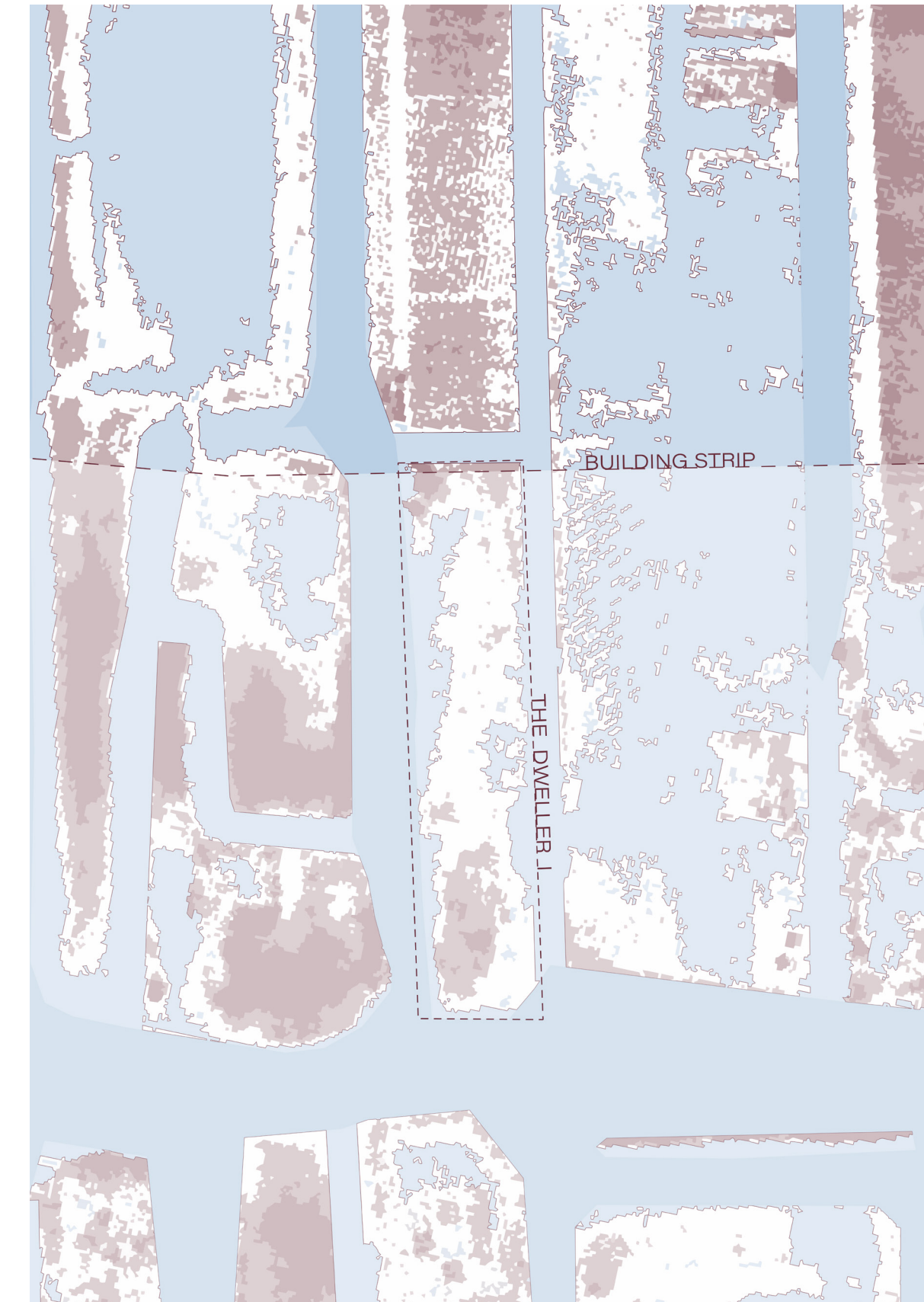
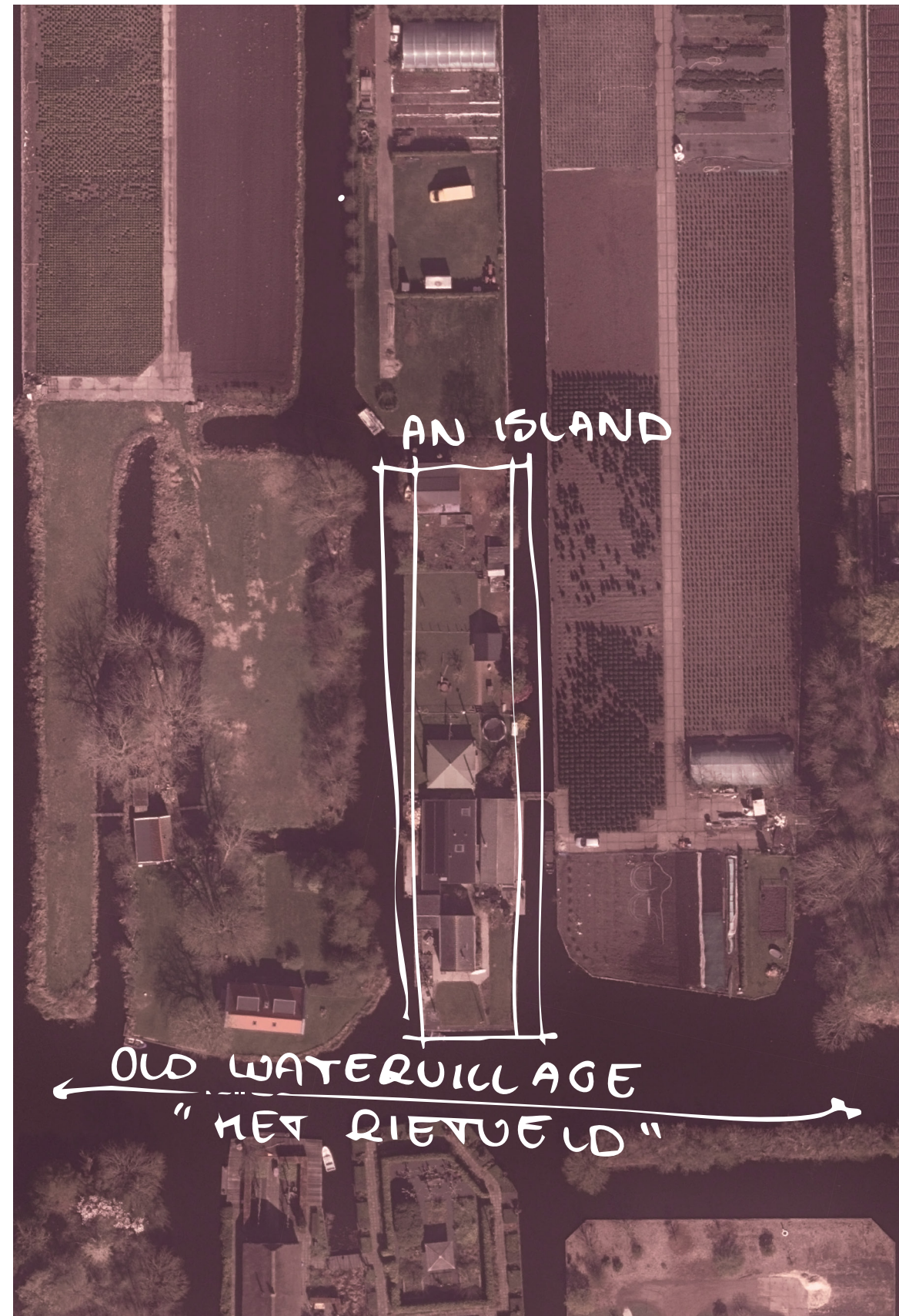


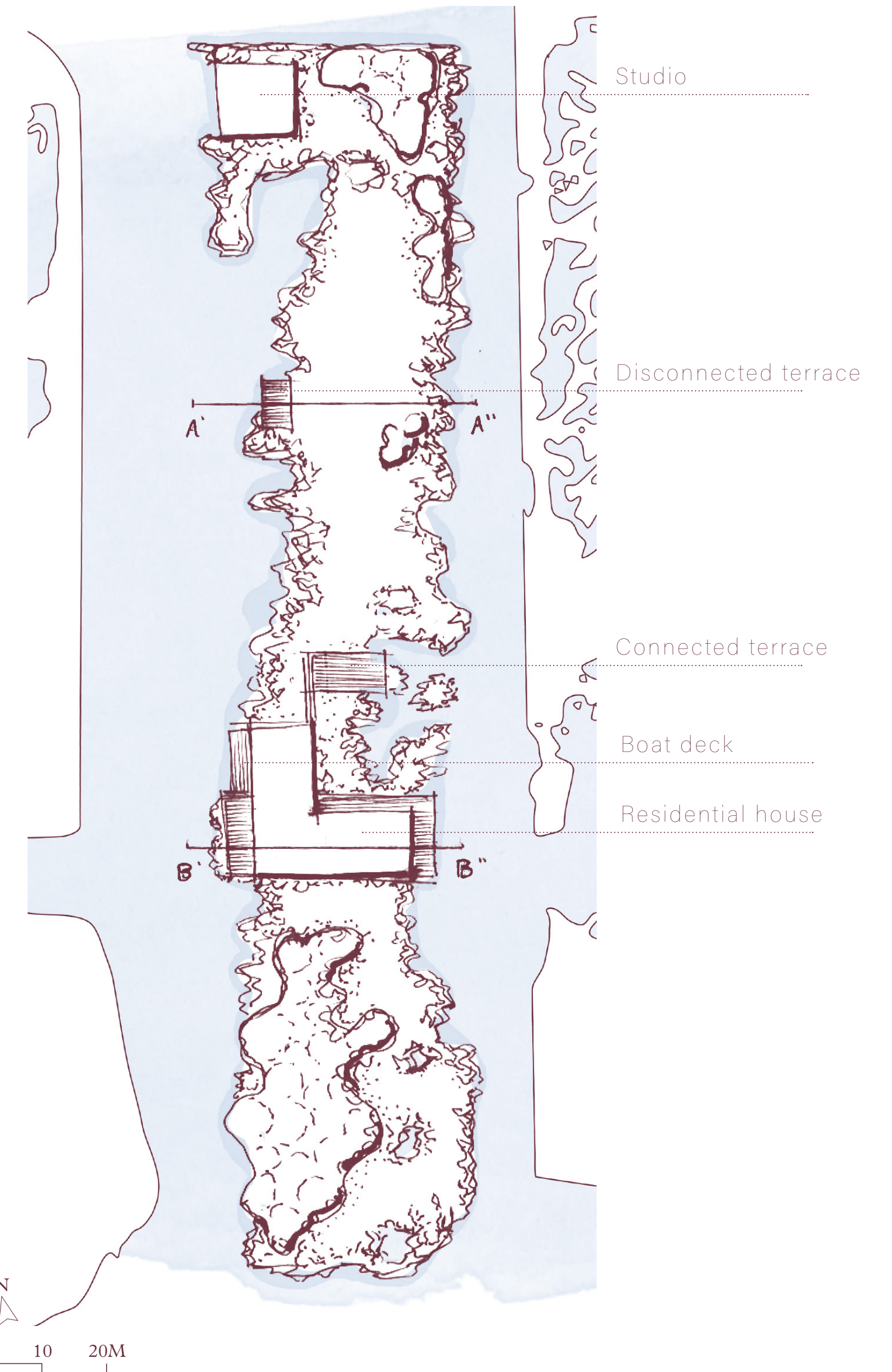
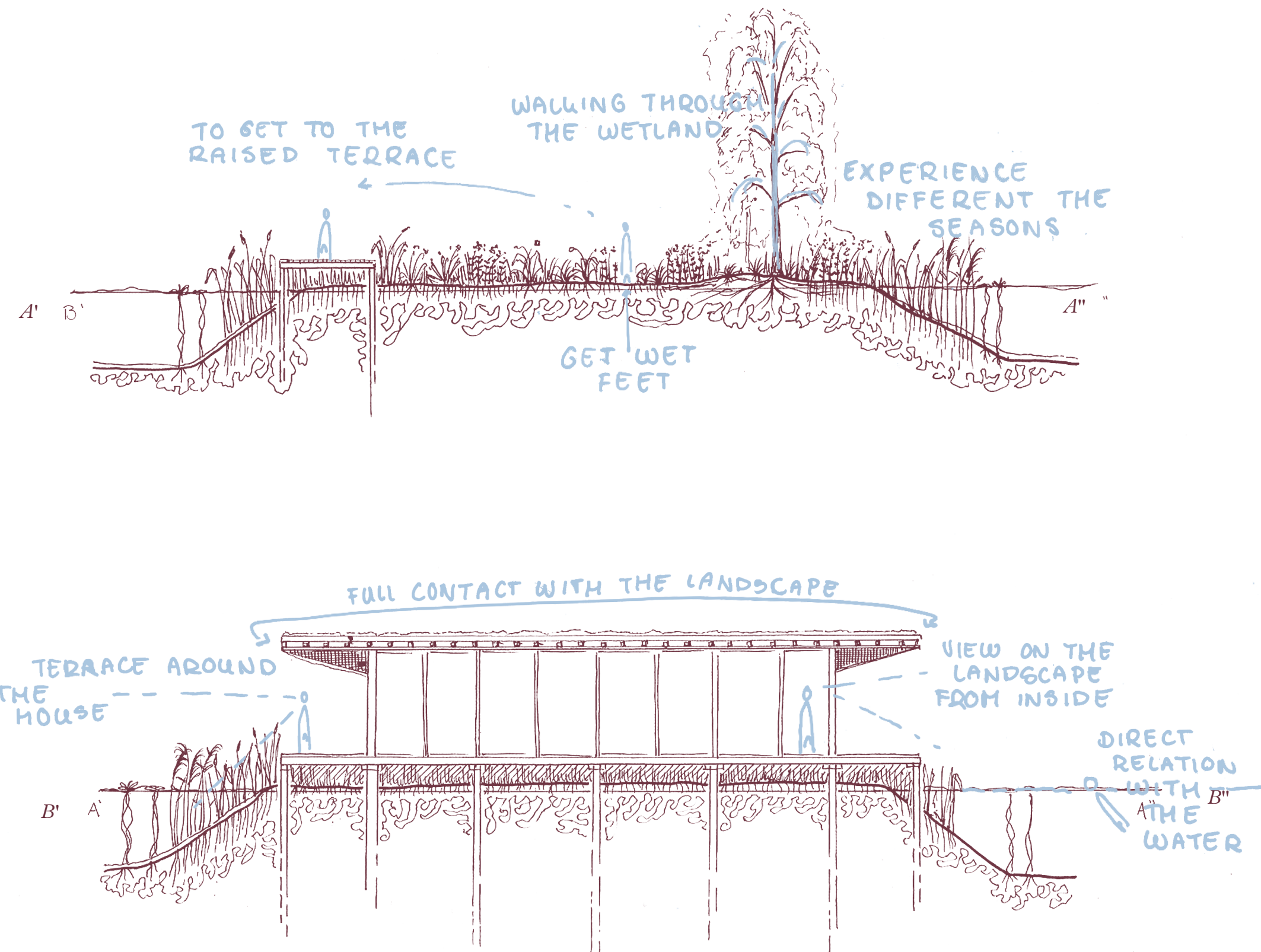
04 IMAGINING

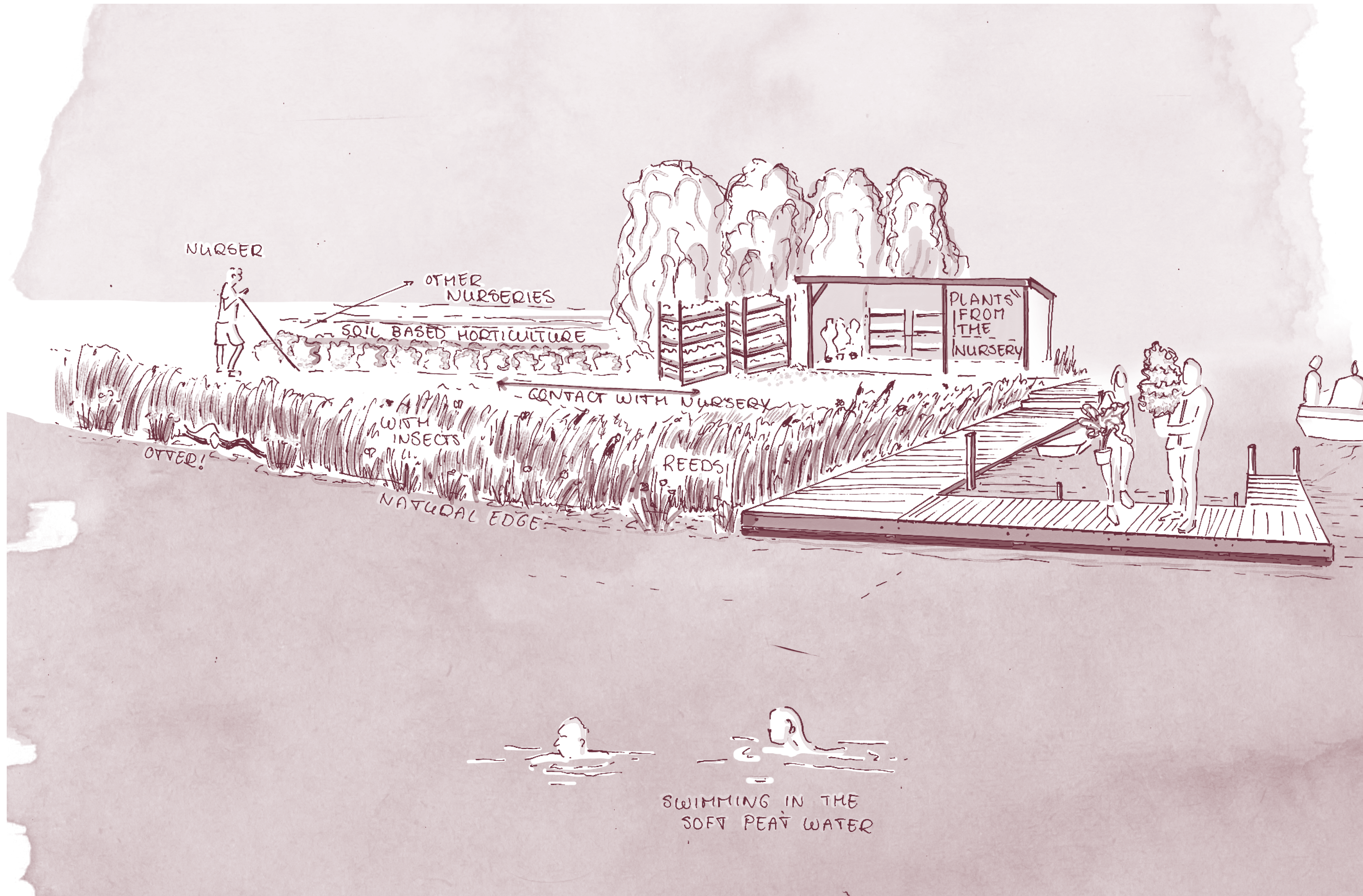
4.3 The dweller I



The dweller I

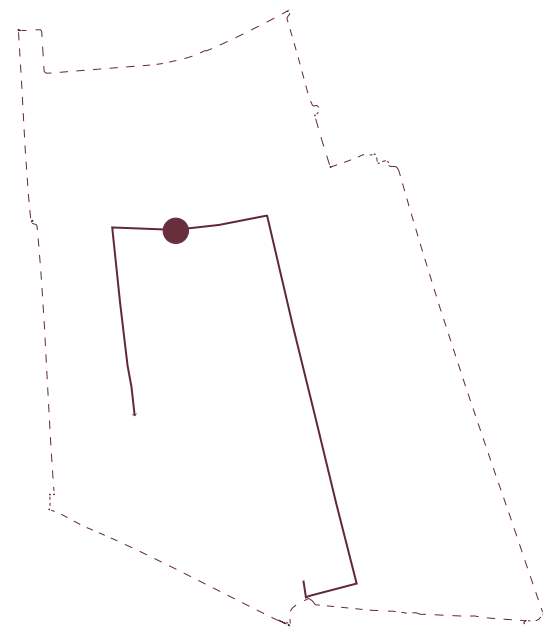




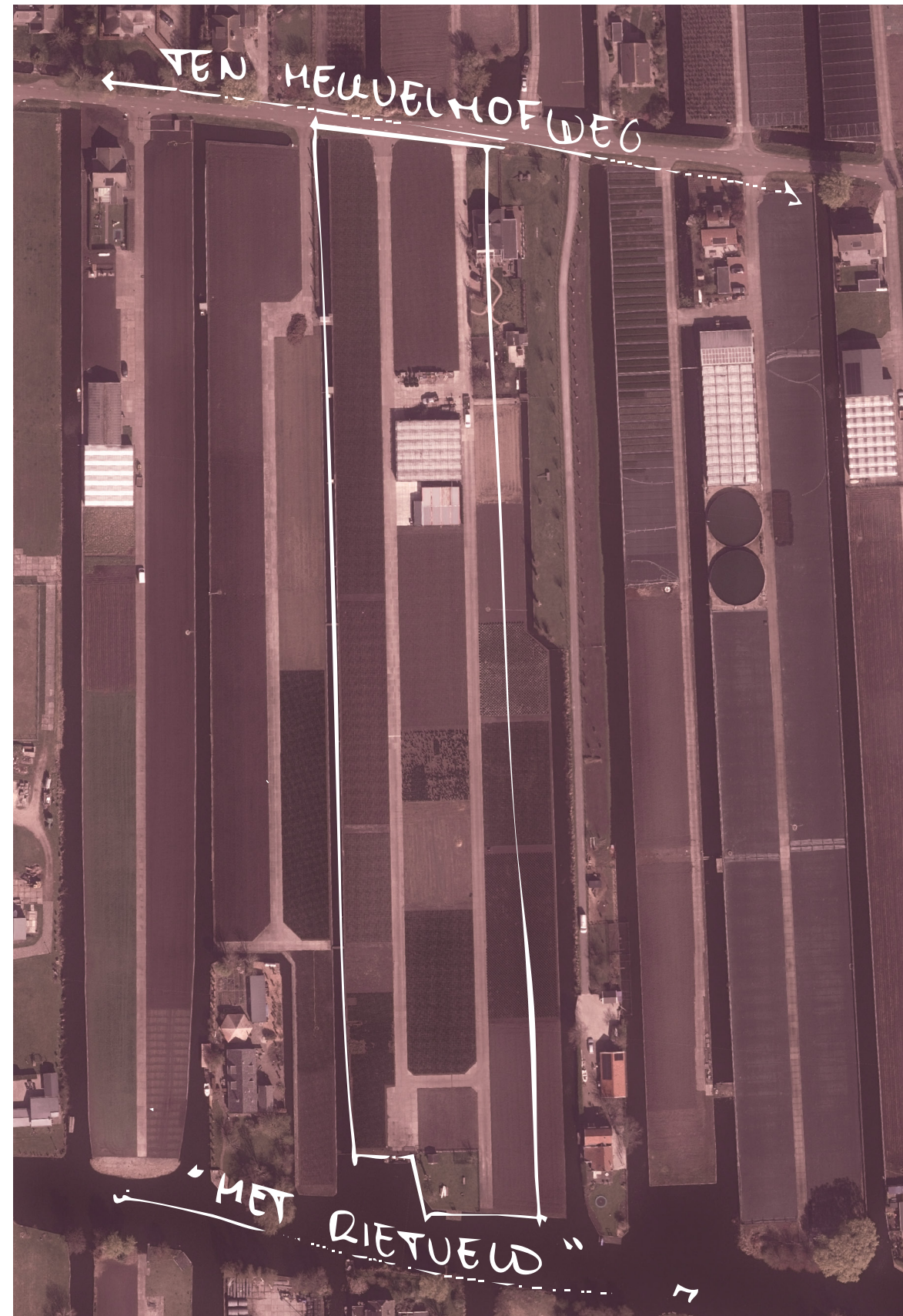


04 IMAGINING

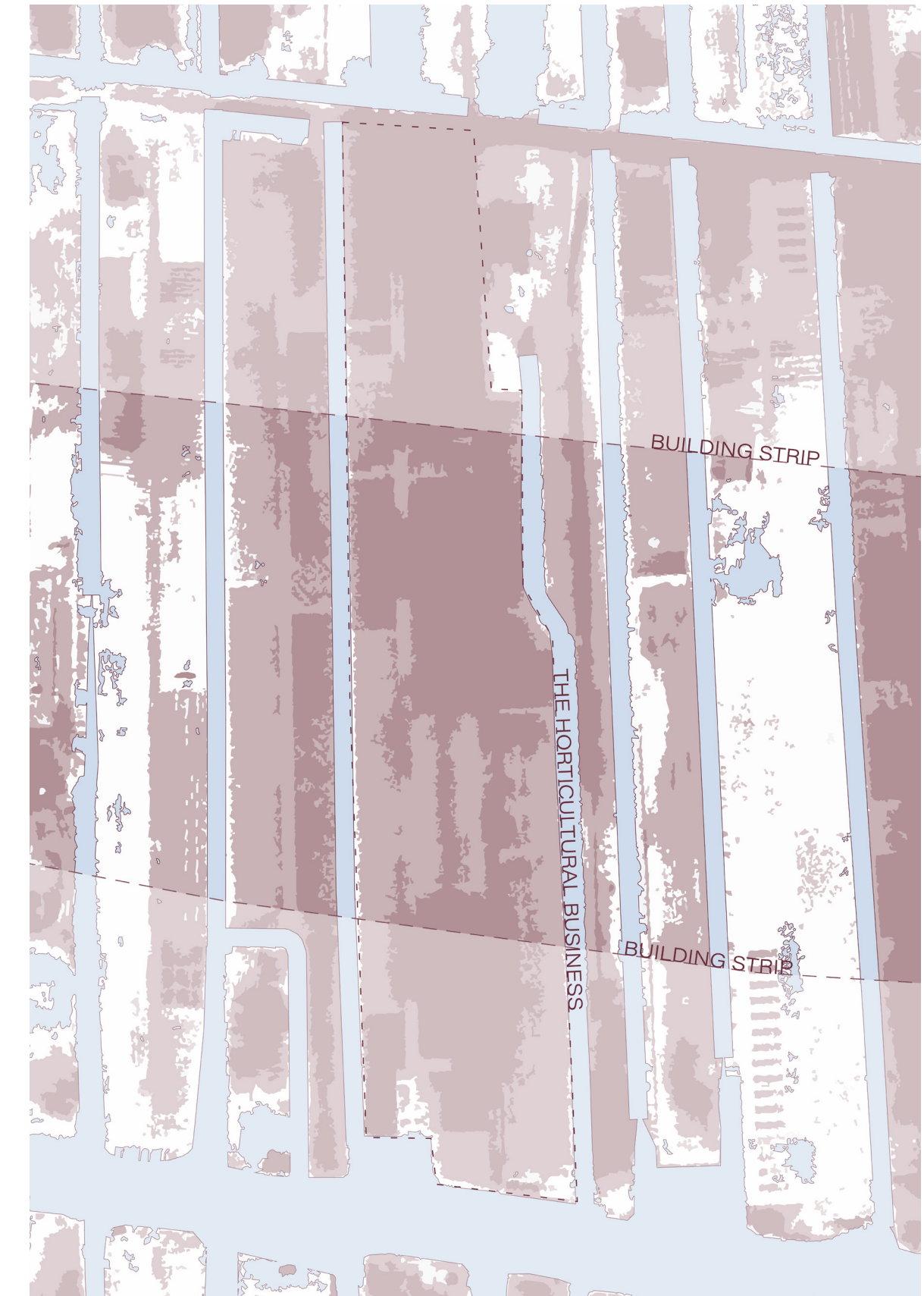
4.4 The Horticultural business I



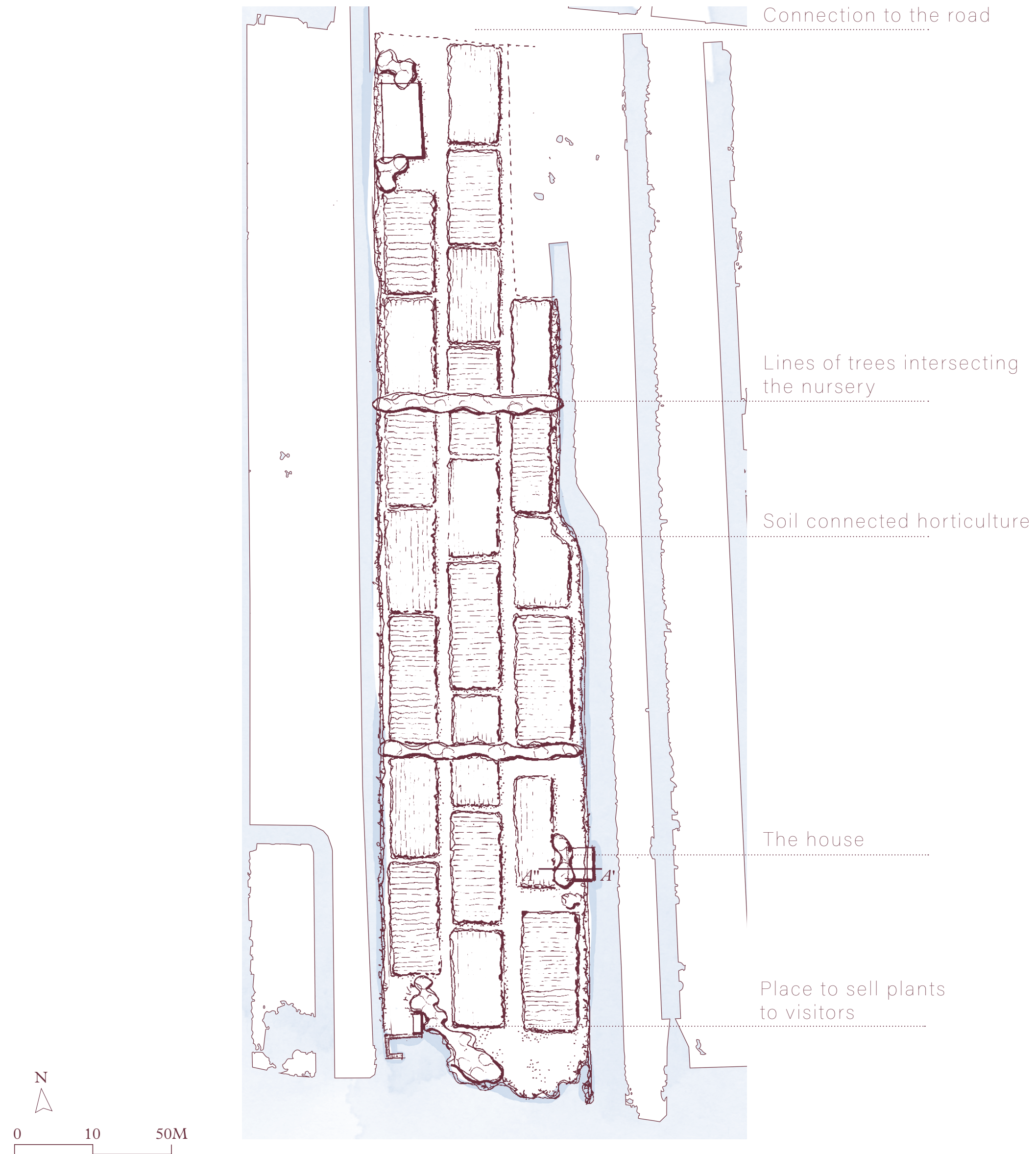
The horticultural business I

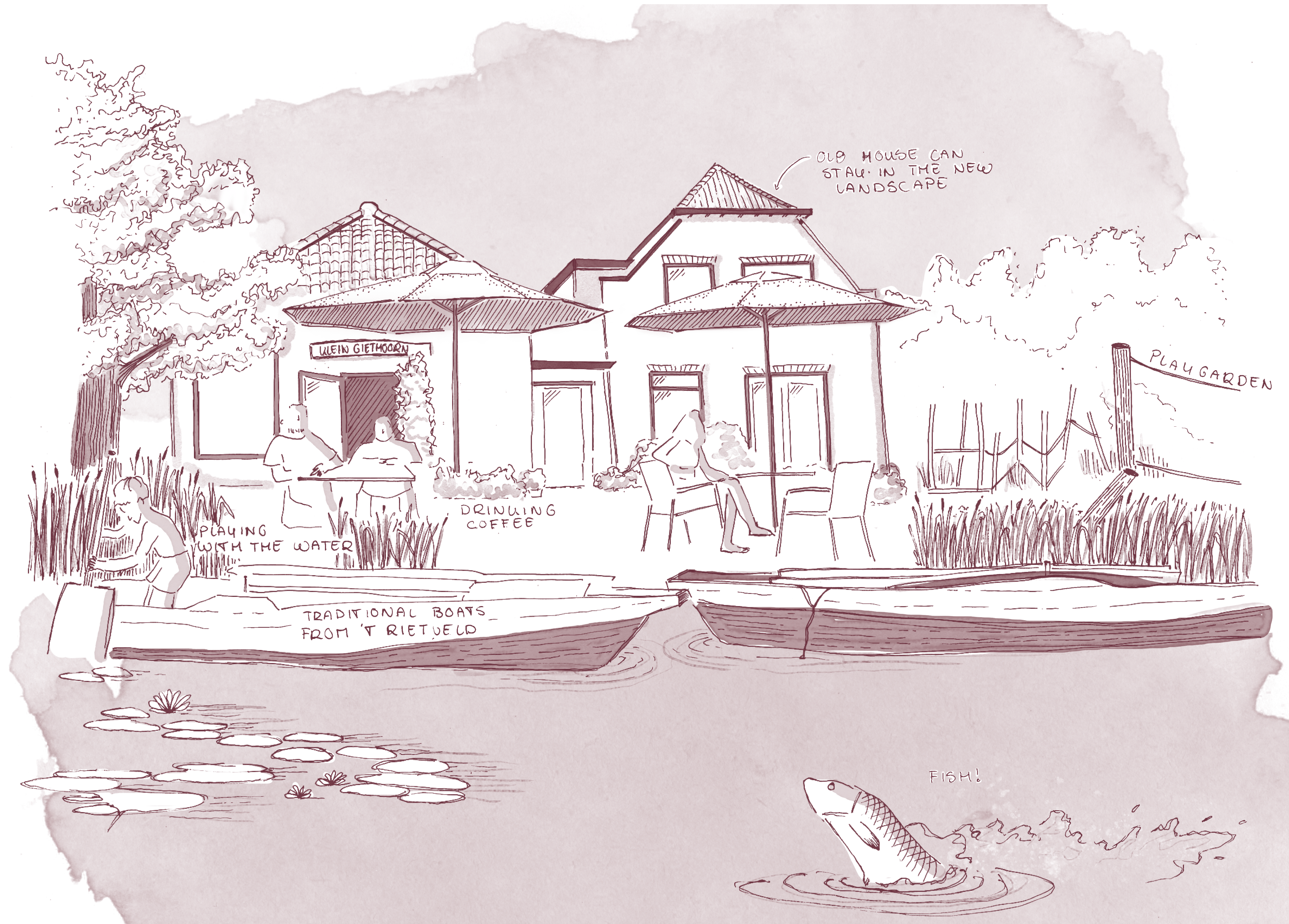


The current situation

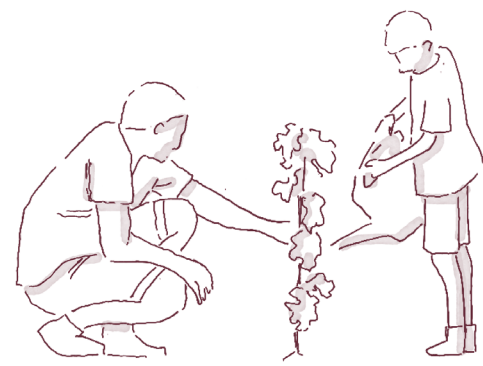
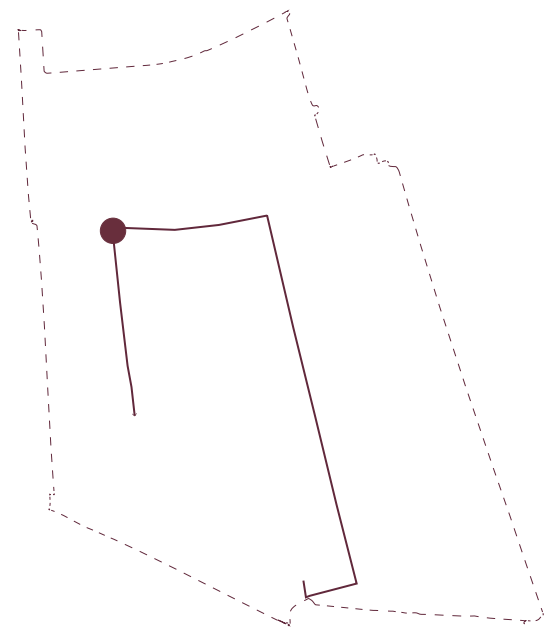


The new conditions





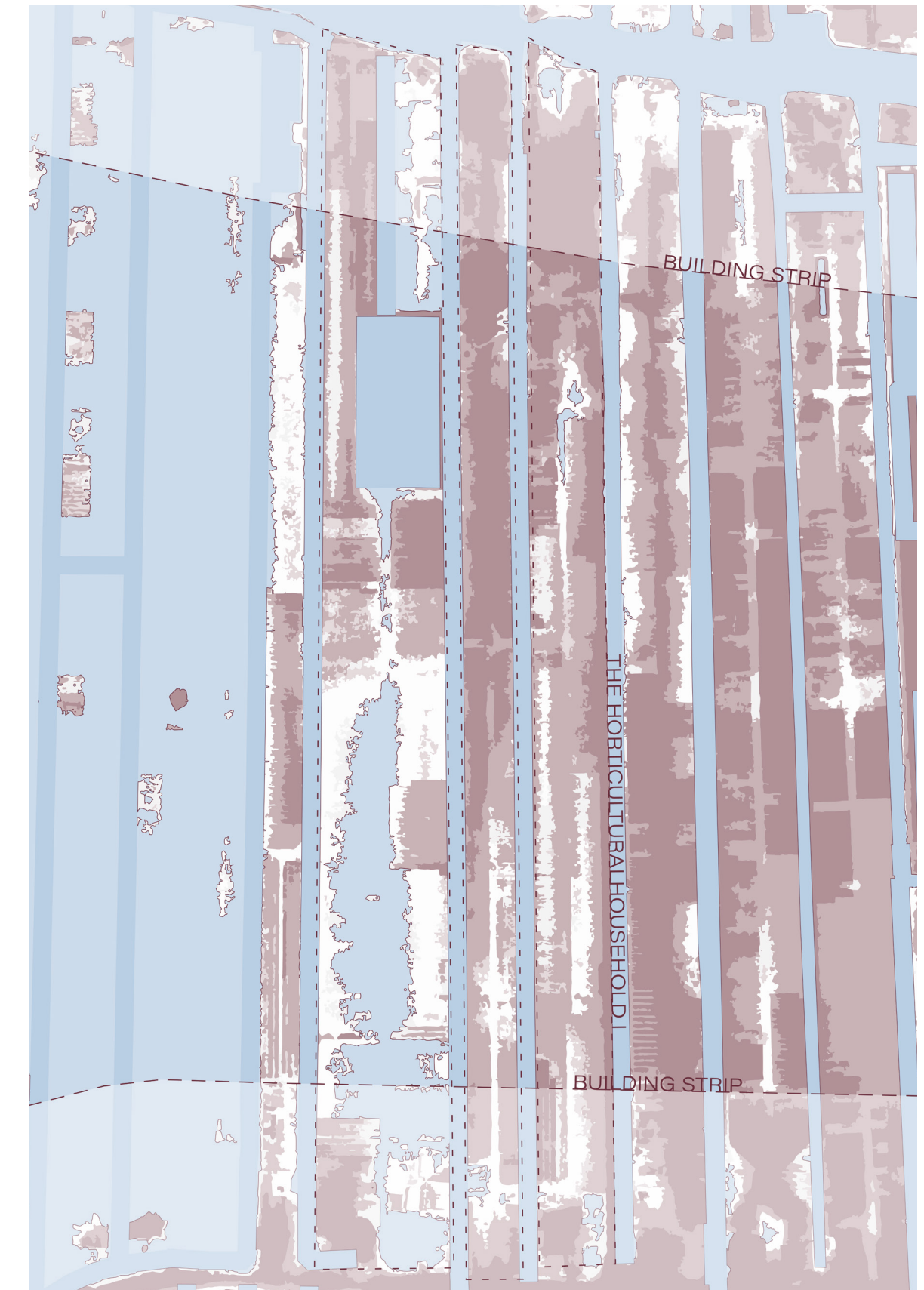
4.5 The Horticultural household I



The horticultural household I



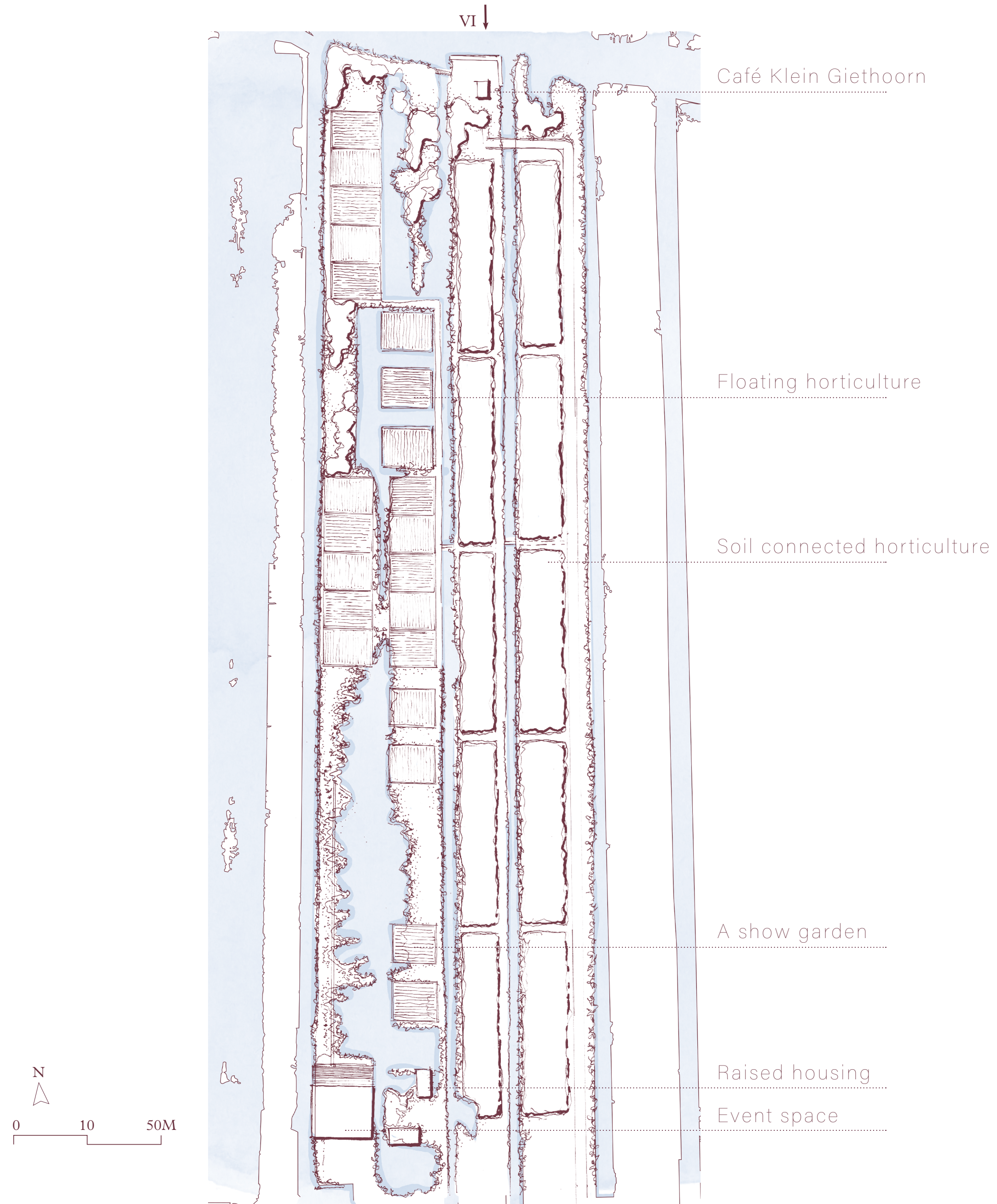
The current situation



The new conditions

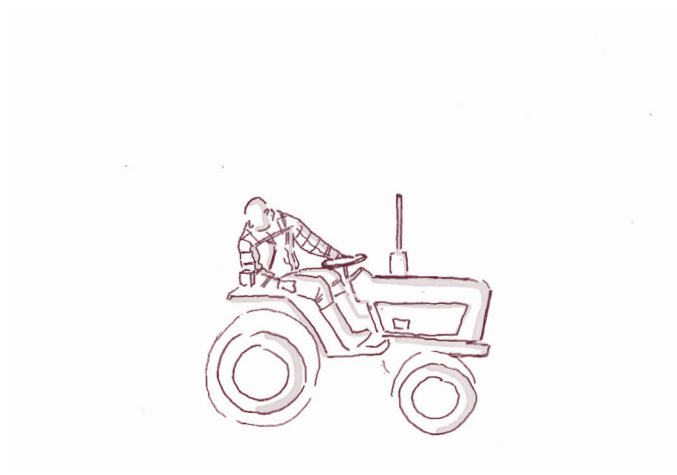
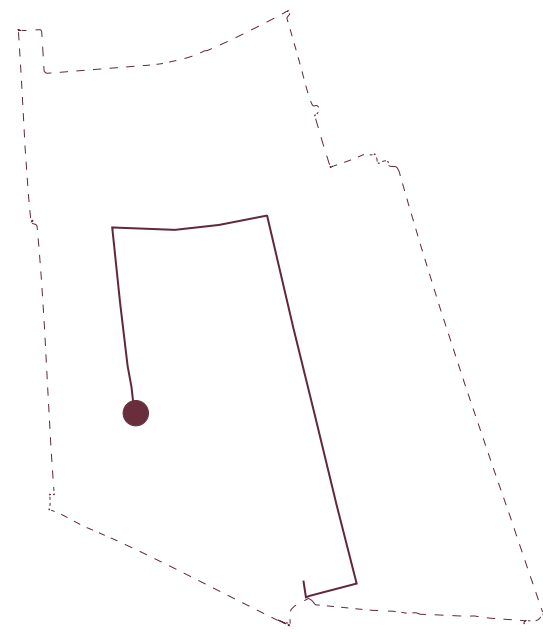
04 IMAGINING

4.5 The Horticultural household I



04 IMAGINING

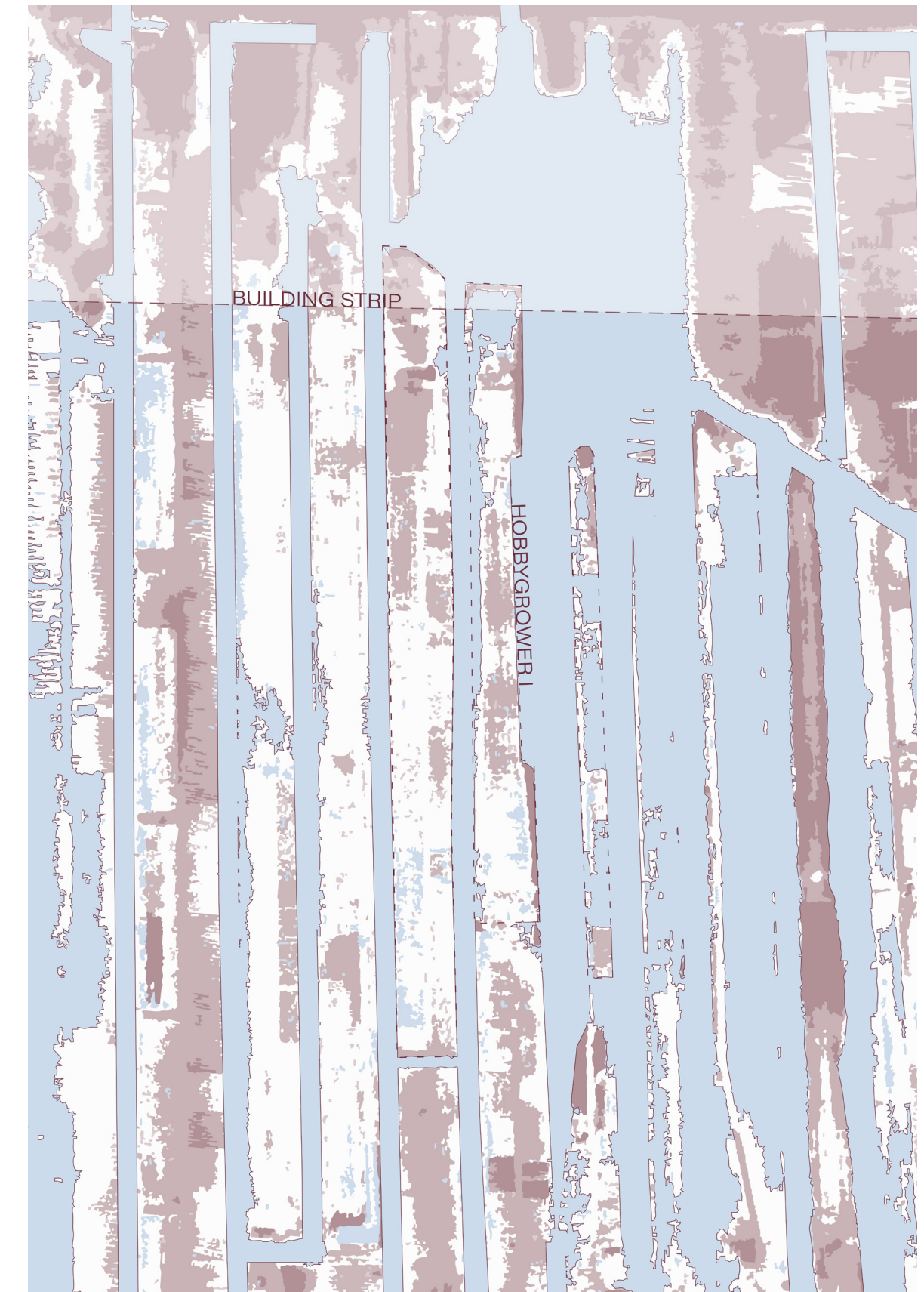
4.6 The Hobby grower I



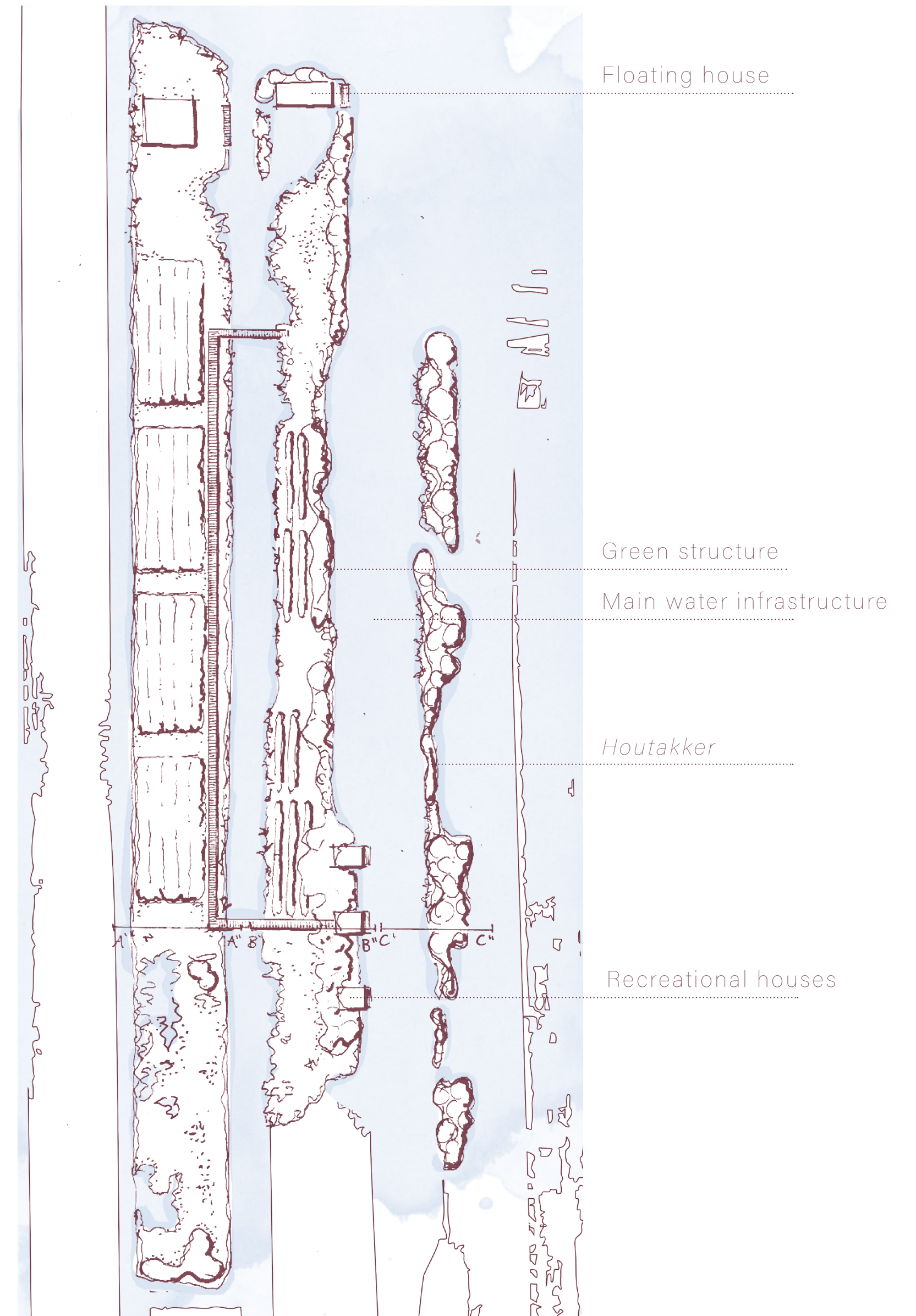
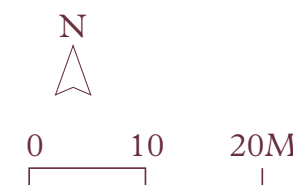
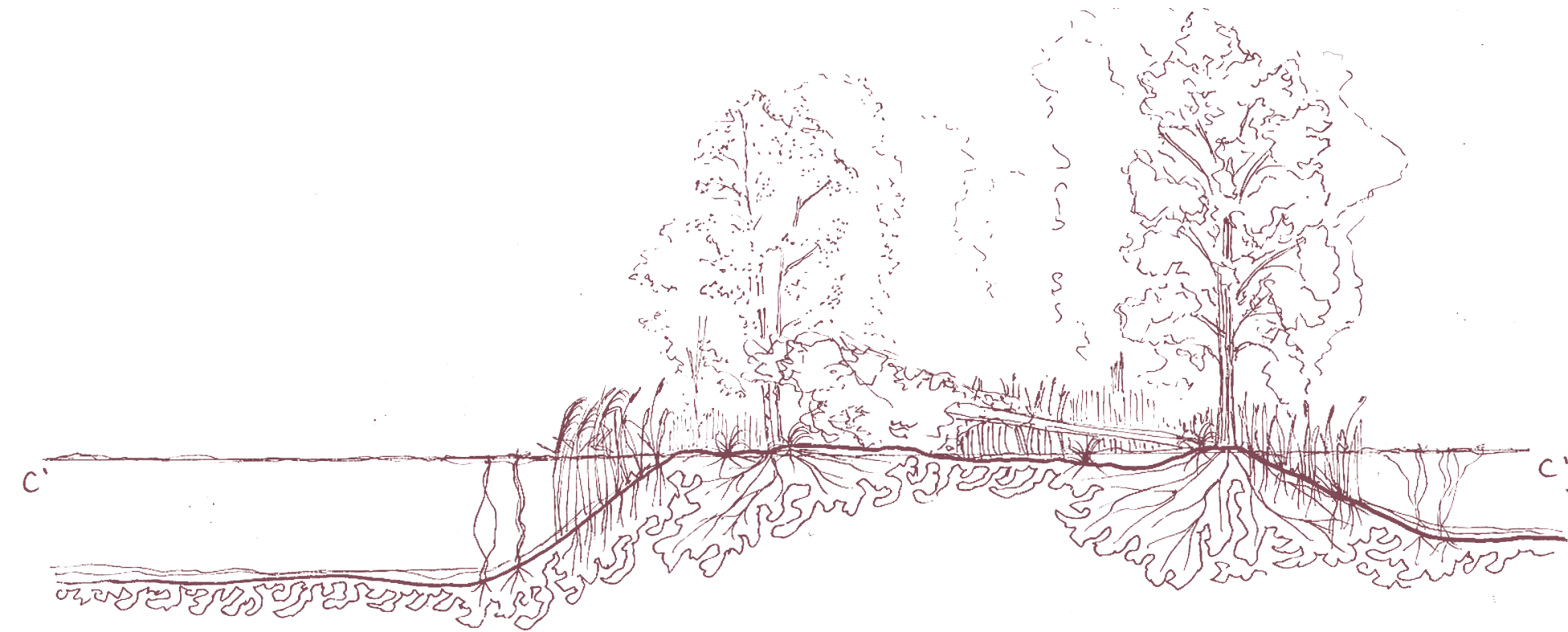
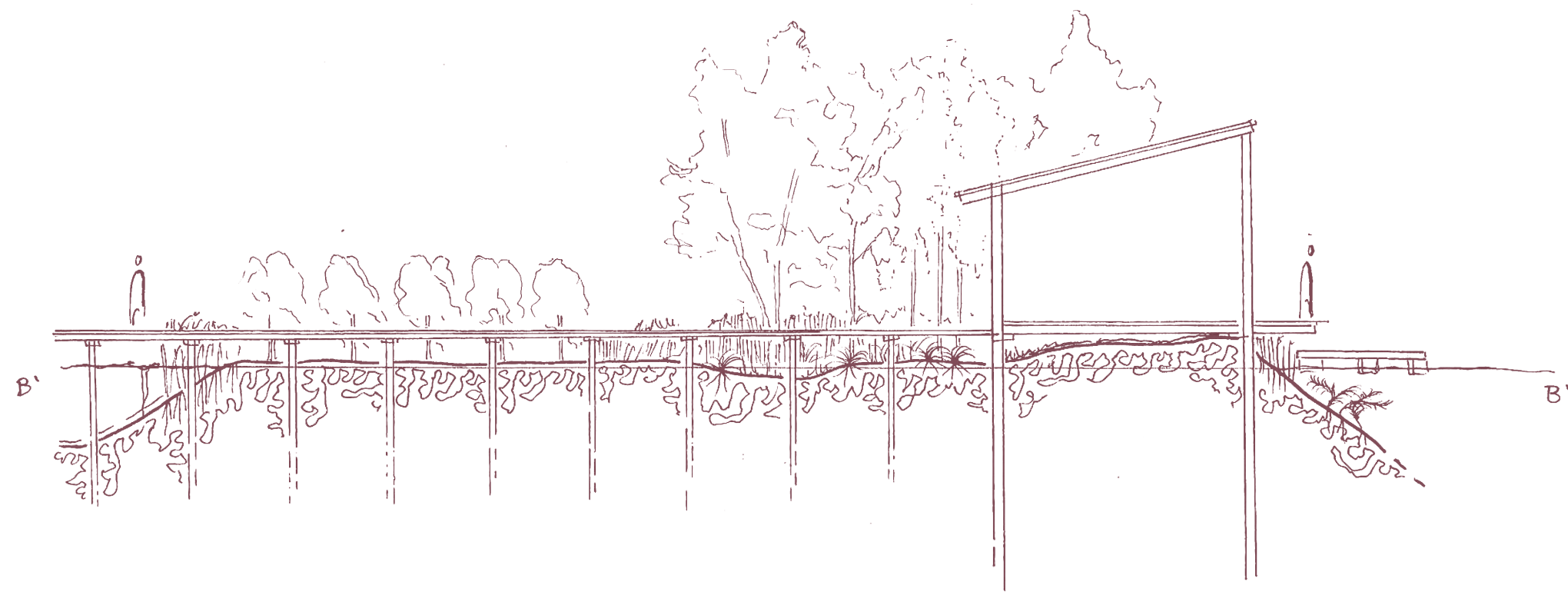
The Hobbygrower I

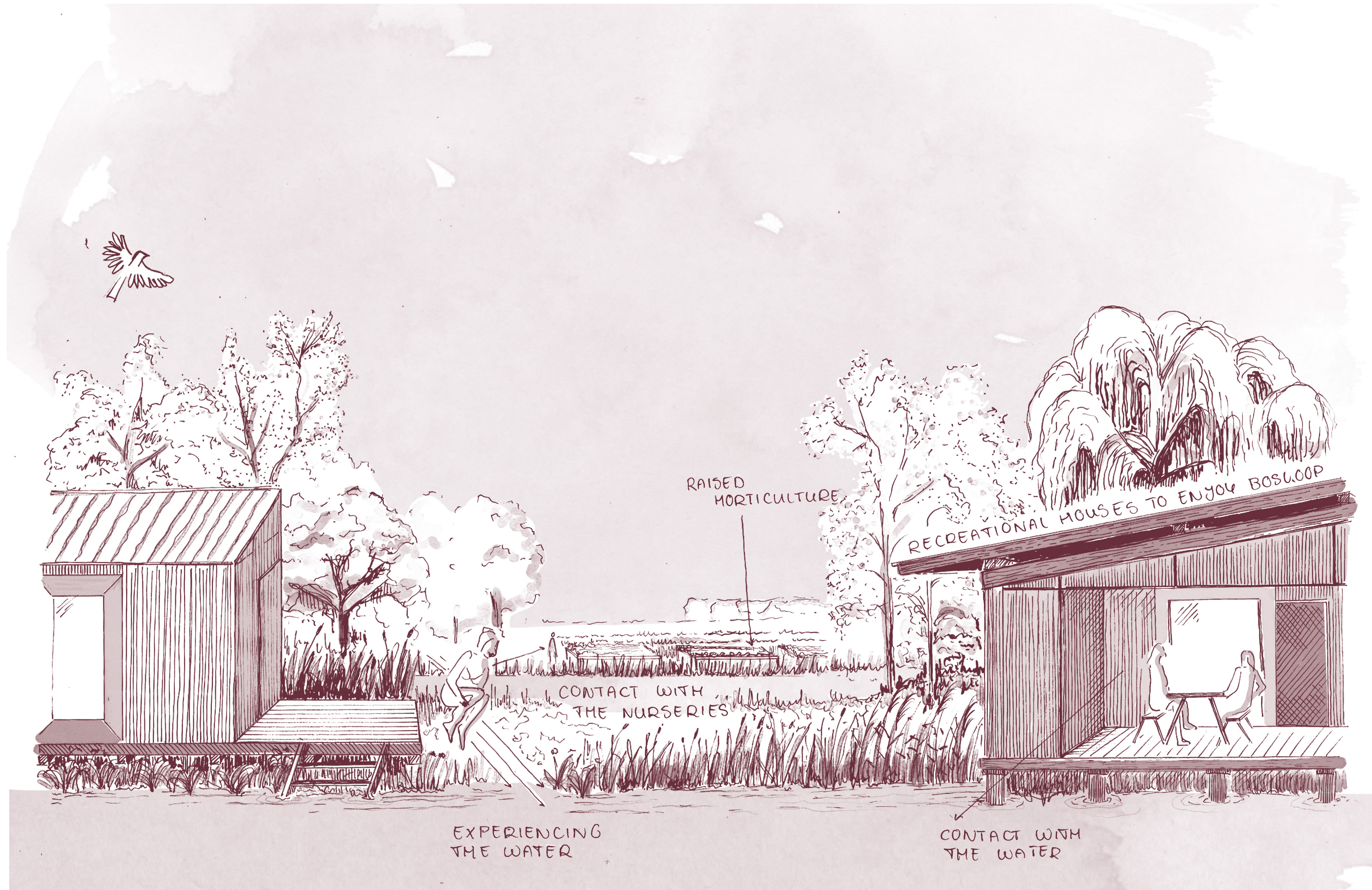


The current situation

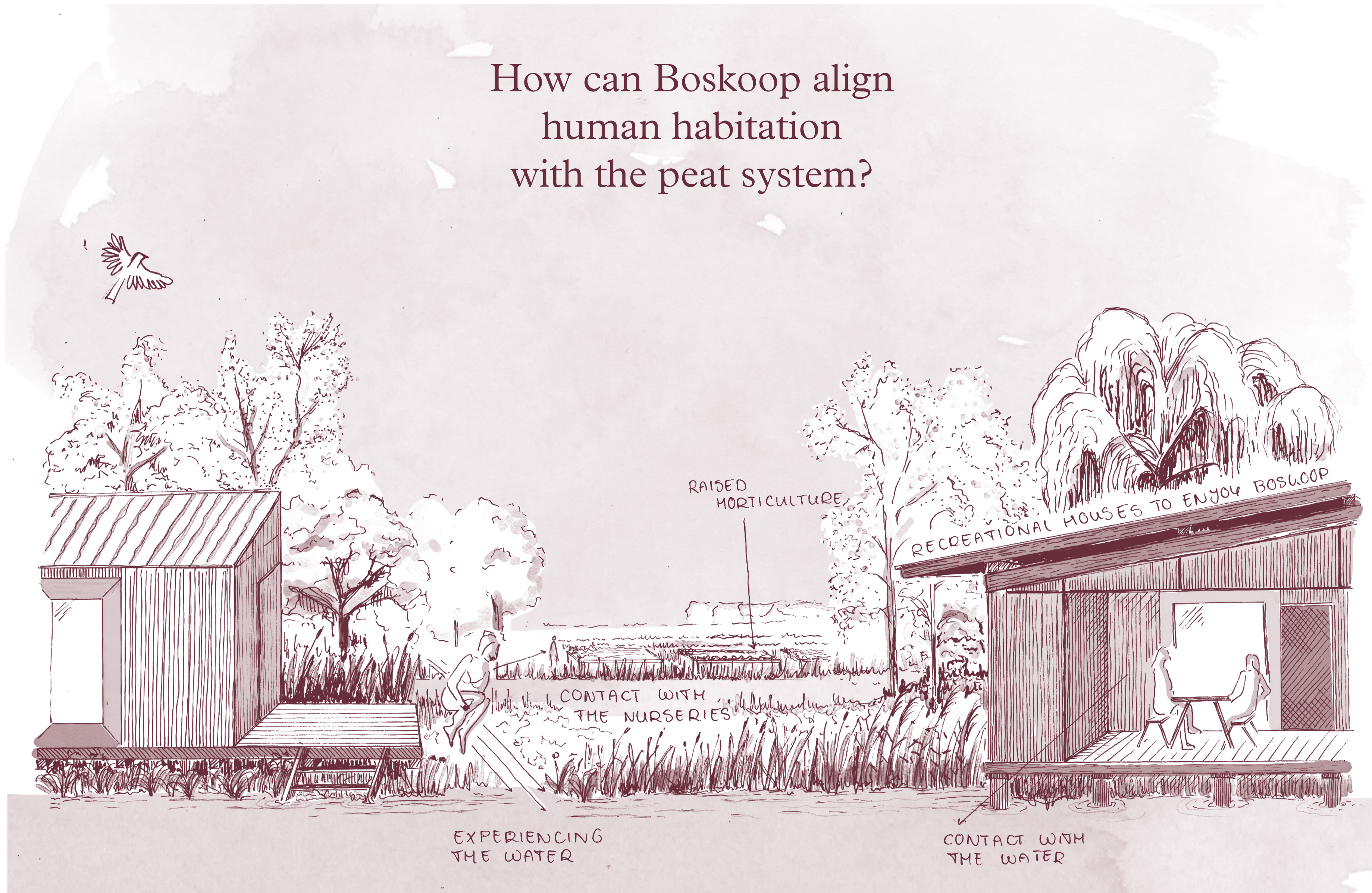


The new conditions





How can Boskoop align human habitation with the peat system?



Derrie - "Laagveen" (Fenland)

Boskoops Boomkwekers Woordenboek

- Once understood as dirt. Now understood as the wet peat soil that grounds the future landscape of Boskoop.

