



# BETWEENNESS

#### TANGIBLE & INTANGIBLE BOUNDARIES

For formulating a complex estate landscape in Gelders Arcadie

P5 Presentation

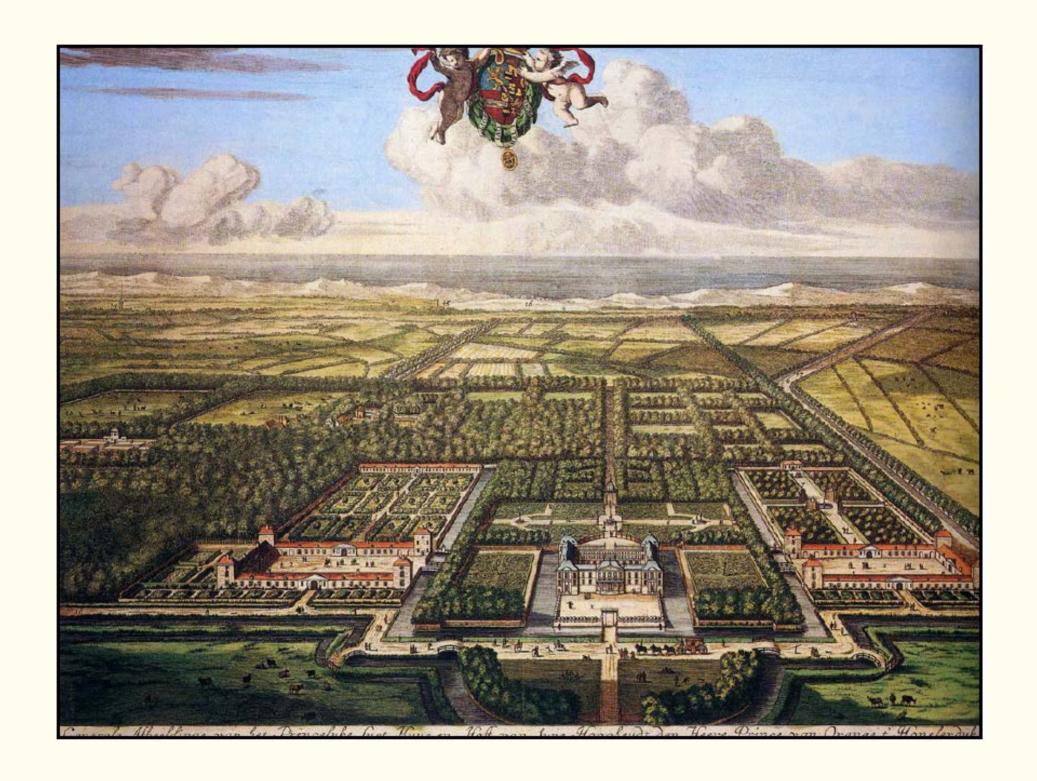
Yuyu Peng

Graduation Lab: Gelderland/Flowscapes
Tutor: Saskia de Wit/Marc Schoonderbeek

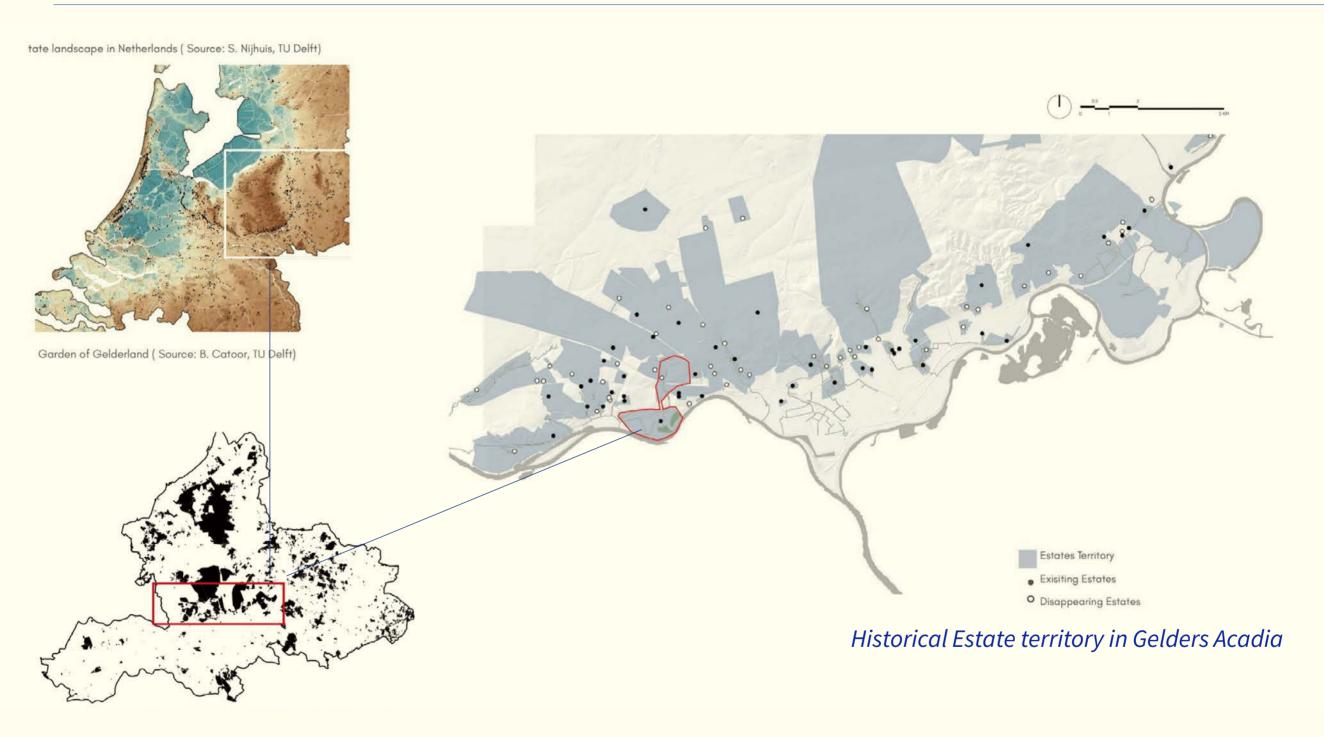




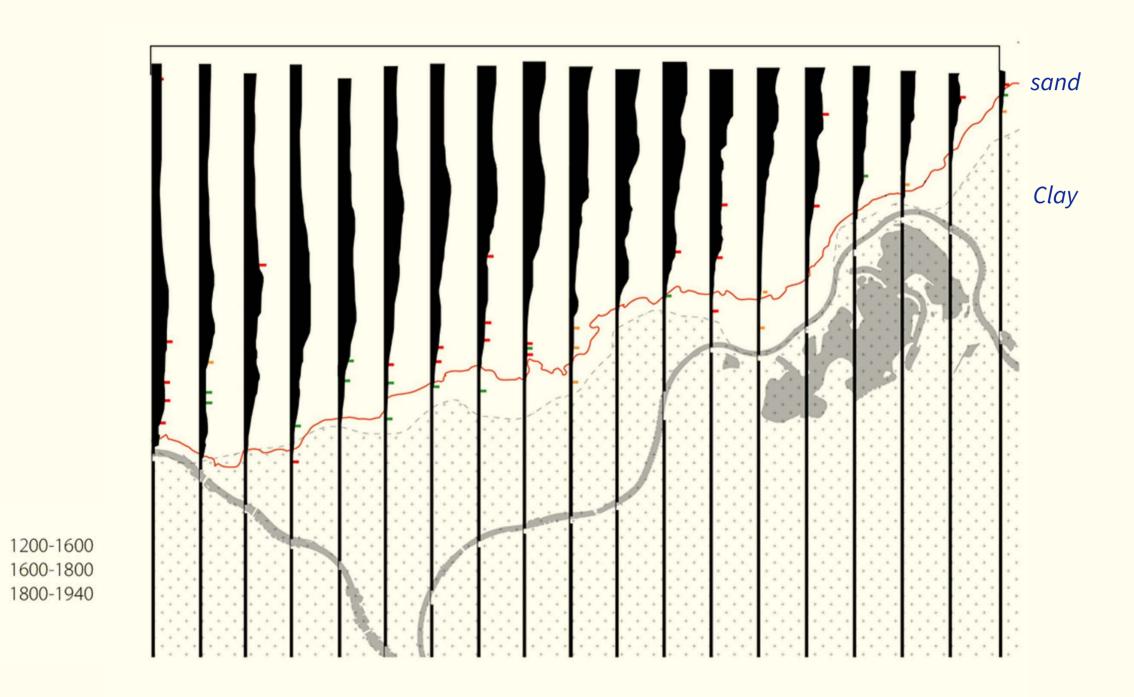
#### Target Context Gelders Acadia- Power landscape

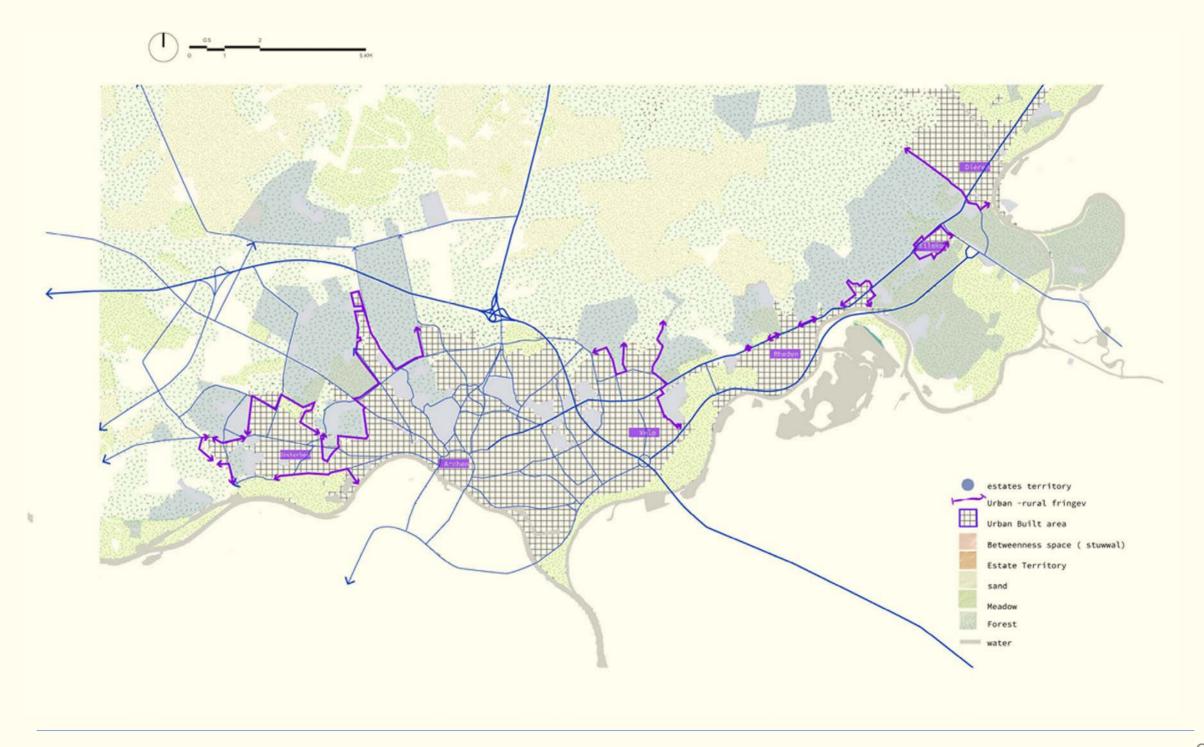


### Target Context Gelders Acadia- Power landscape



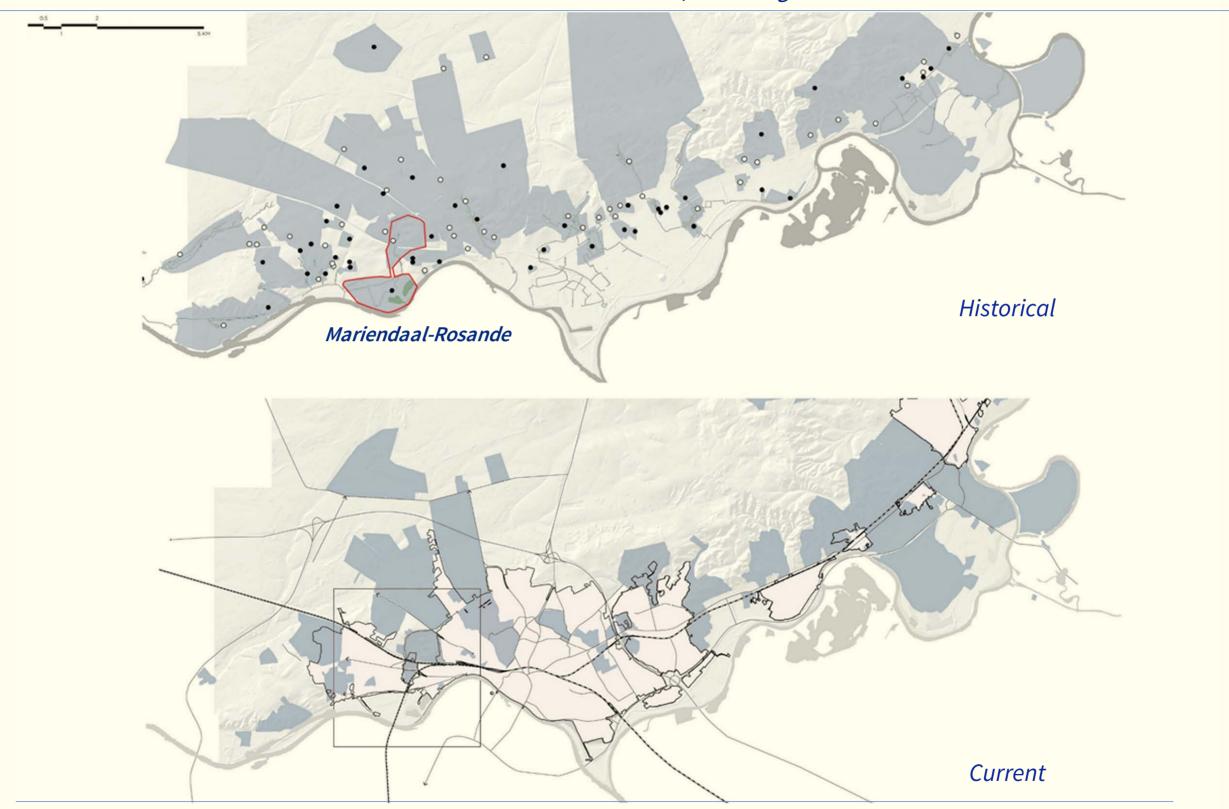


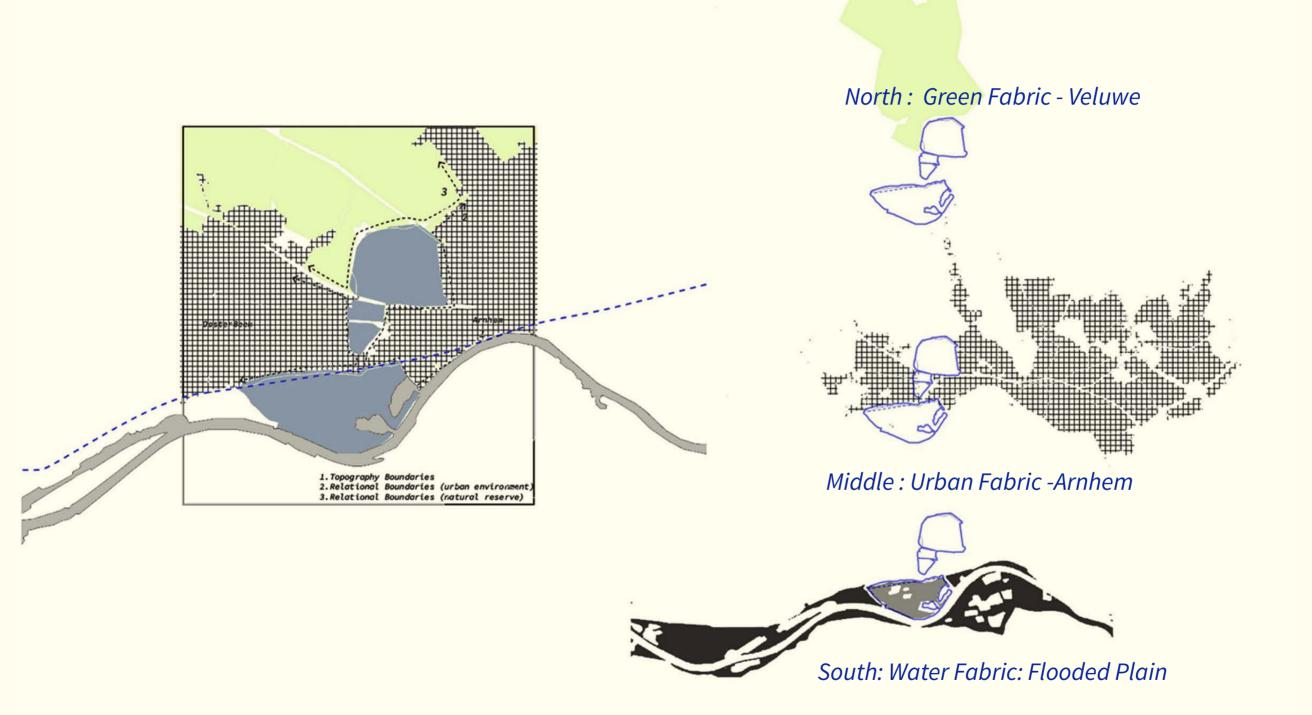




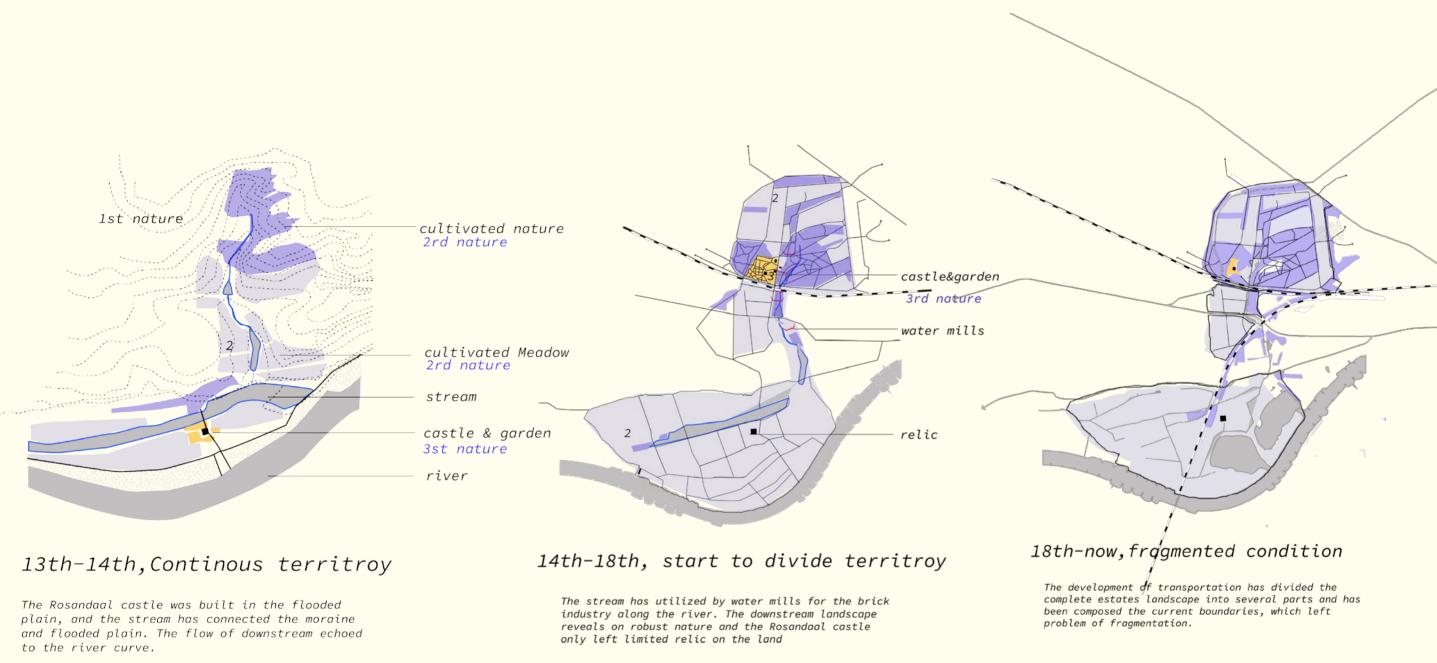
Target Context

Relational Boundaries – Urban/Rural Fringe

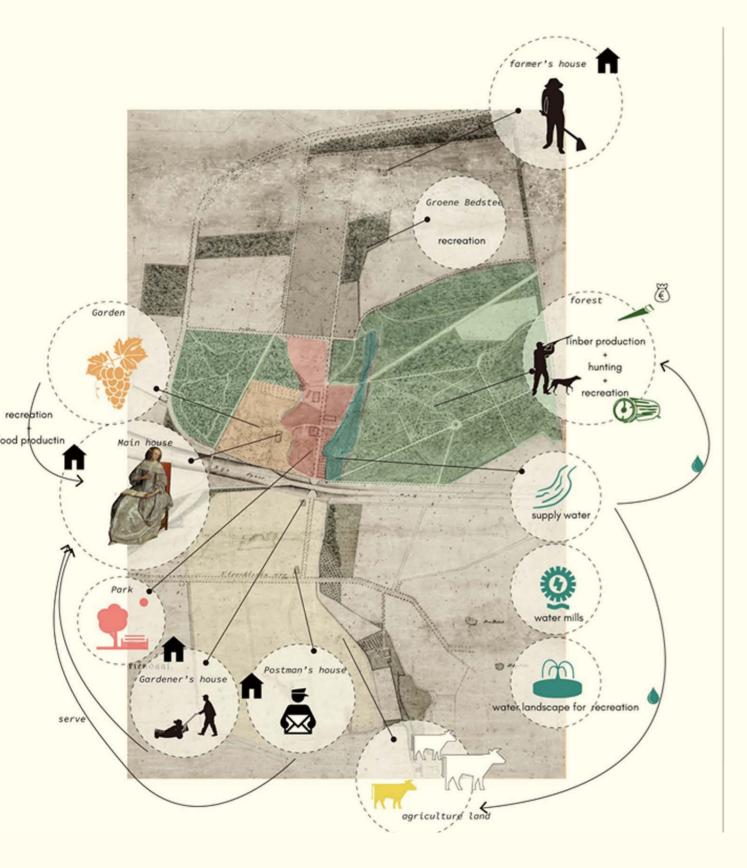




#### Mariendaal- Rosande : Palimpsest From continues to fragmented



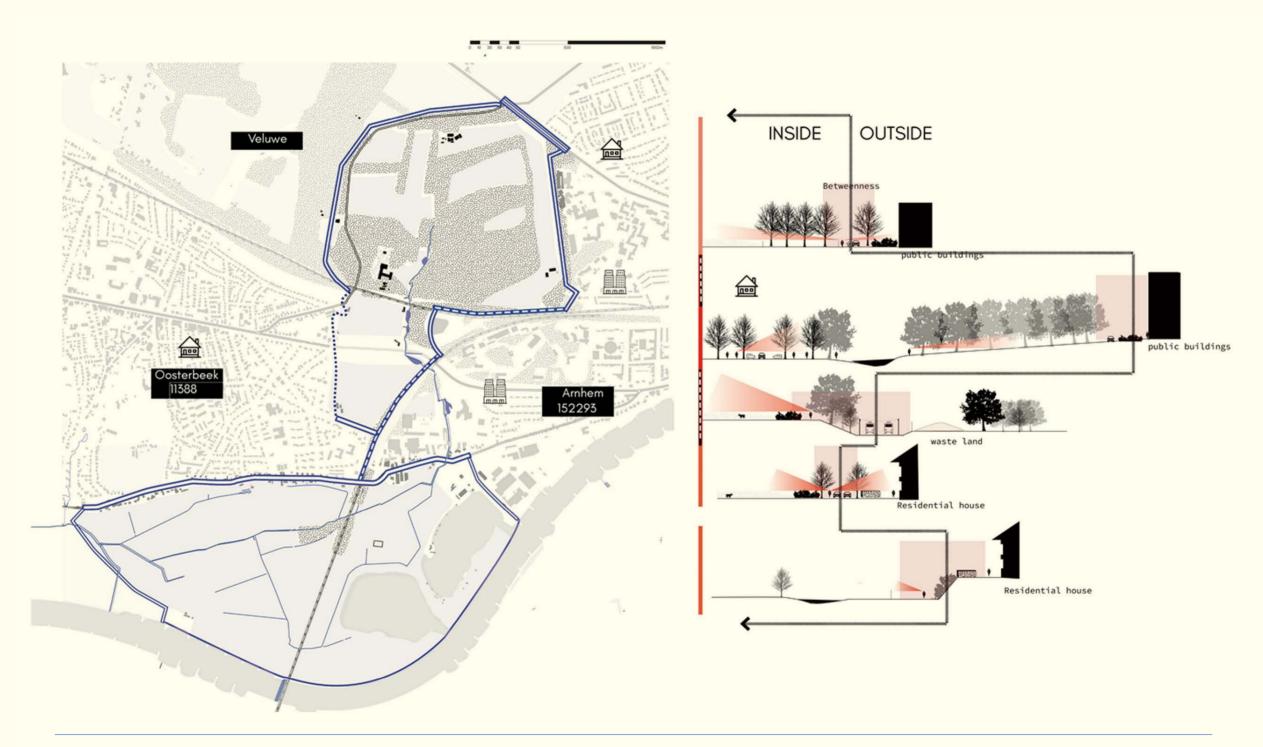
## Mariendaal- Rosande From coherent production ensemble to fragmented tourist spots

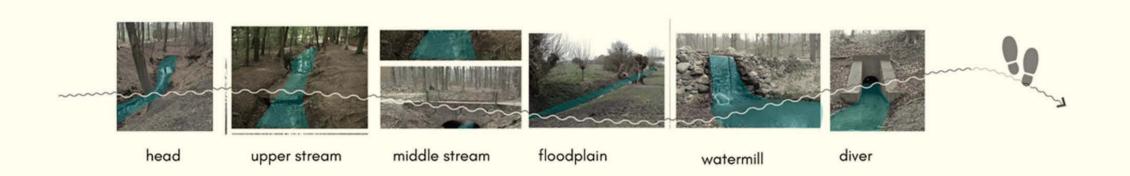




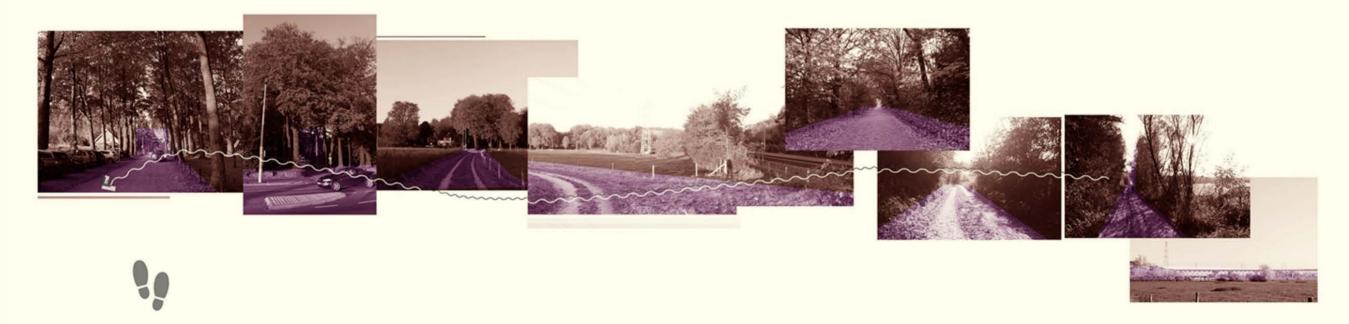


### Mariendaal- Rosande Monotonous Outer Boundaries Vs. Complicated Outer Environment

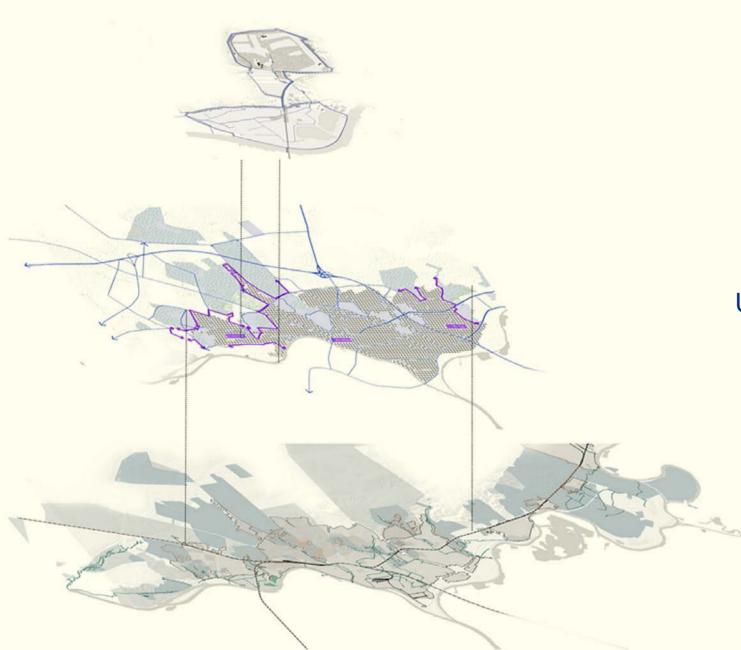




Disconnected water stream - Slipbeek



Disconnected spatial experience



Estate ensemble -- Disconnected estate territory

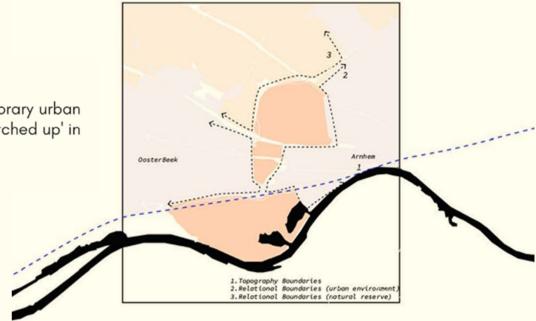
Urban scale – lack of transitional urban-rural space

Regional scale – fragmented estates landscape

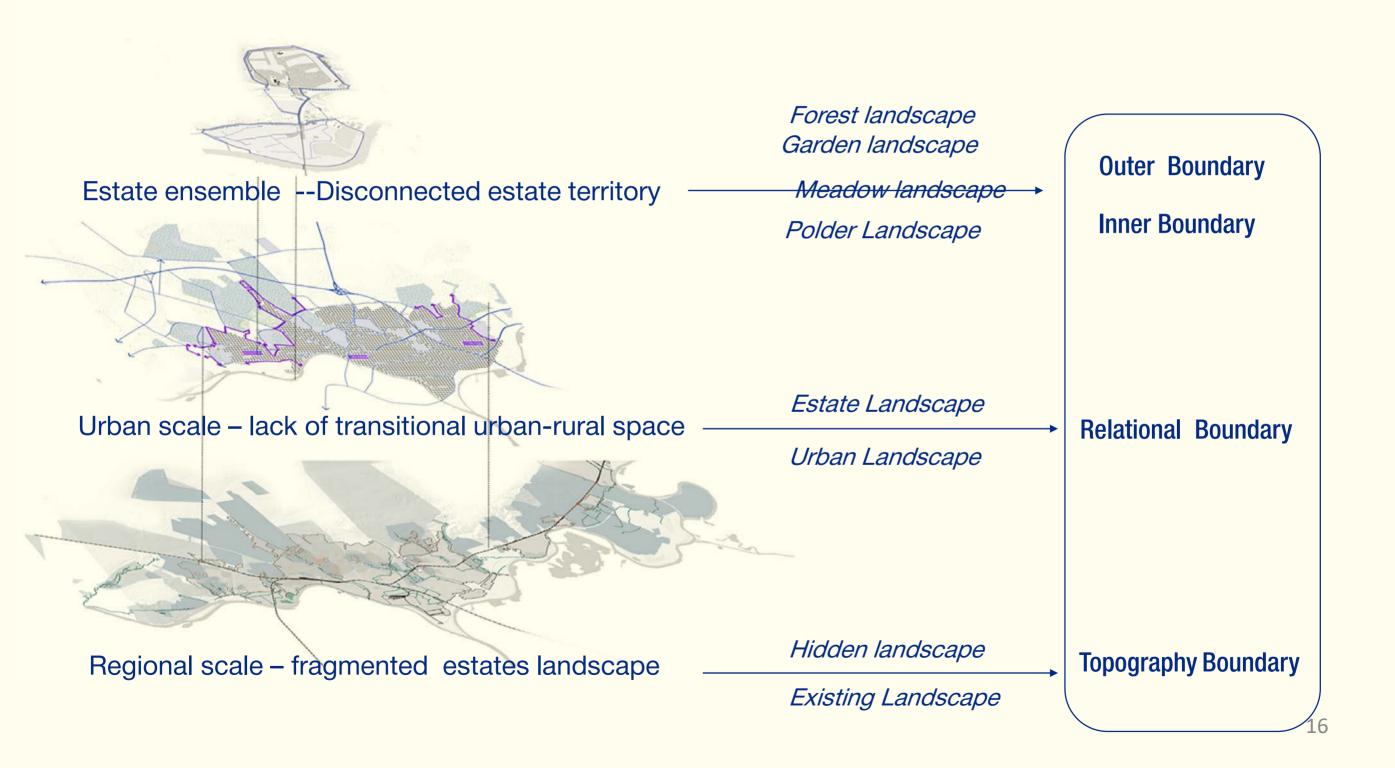
#### **Confliction Statement**

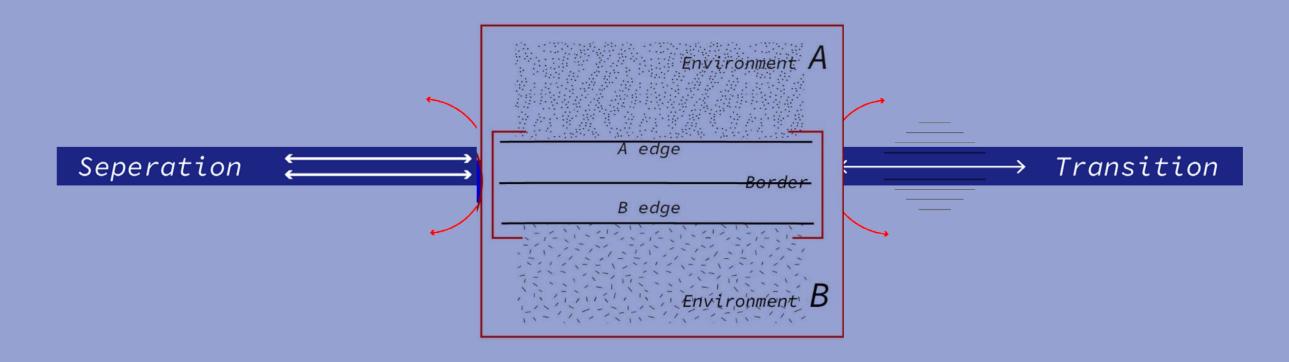
With the paradigms of **connectivity** and 'contextualism' dominating contemporary urban discourse, edge-spaces are often treated as thin anomalies to be 'smoothed over' or 'stitched up' in order to mitigate the disjunction.

– Kullmann, K



Mysterious Power Landscape Vs. Open Modern Landscape





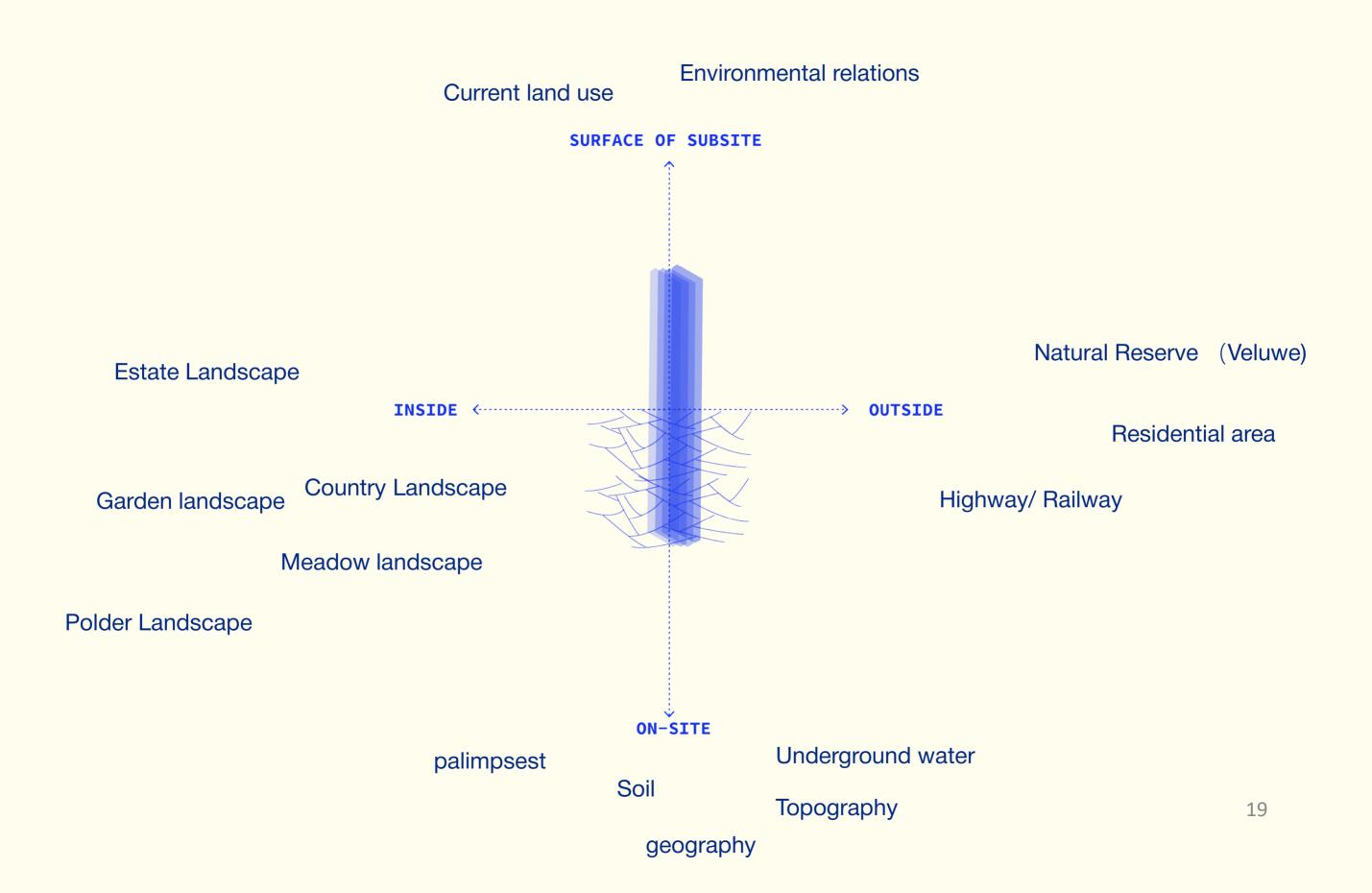
### Redefine the boundaries

To meditate the confliction between estate landscape and the urban environment, forming an integrated relation between ecology, urban and landscape. How can a well-designed **boundary approaches** address the contradiction between
the isolation that is characteristic of the estate
landscape and the connectivity that is a
requirement of a well-functioning urban
landscape?

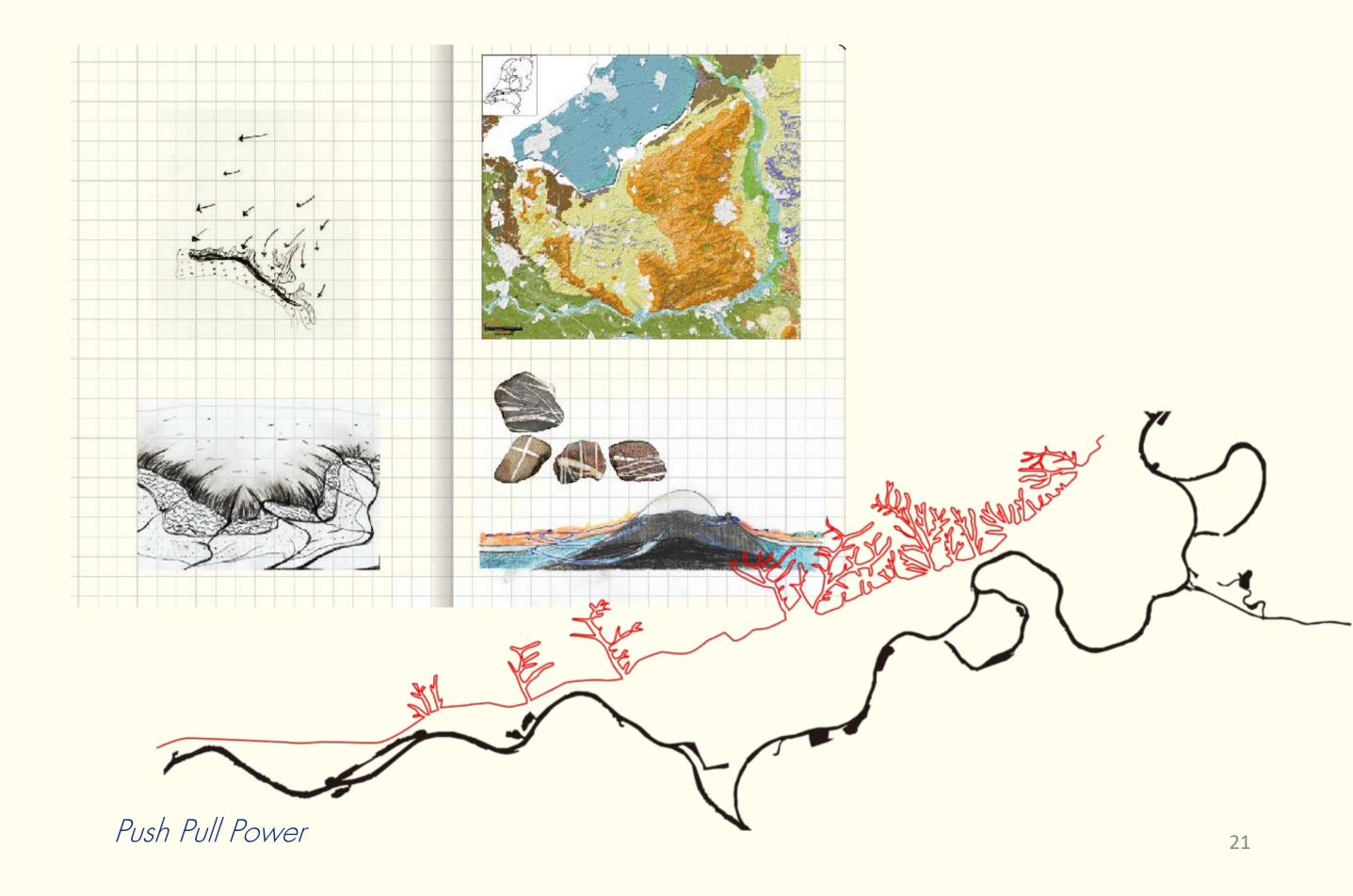
• What types of boundaries can be understood, on several scales?

 How to apply boundaries approaches in different estates landscape achieving coherence and differentiation?

• What it is the uniqueness and adaptability of this research?











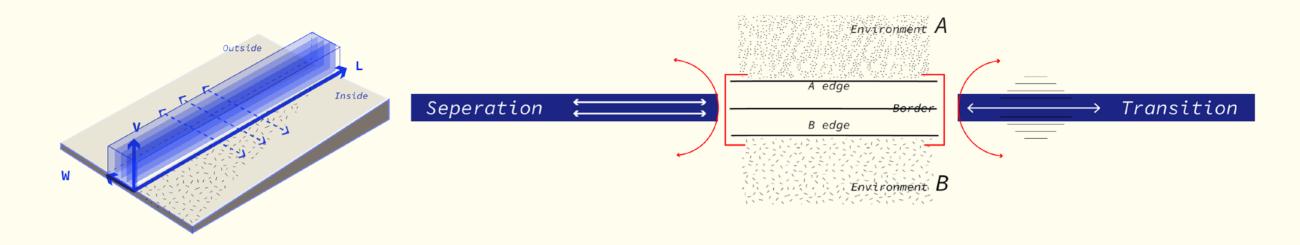
### BETWEENNESS

TANGIBLE & INTANGIBLE BOUNDARIES

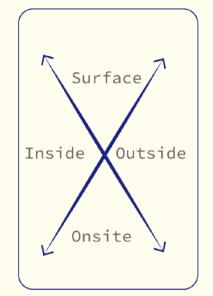


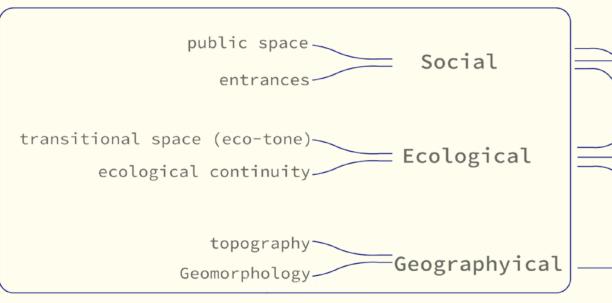


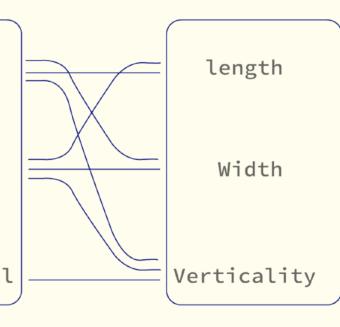


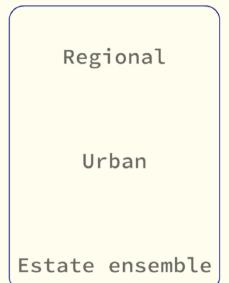


#### Relations Discourse Dimension Scale





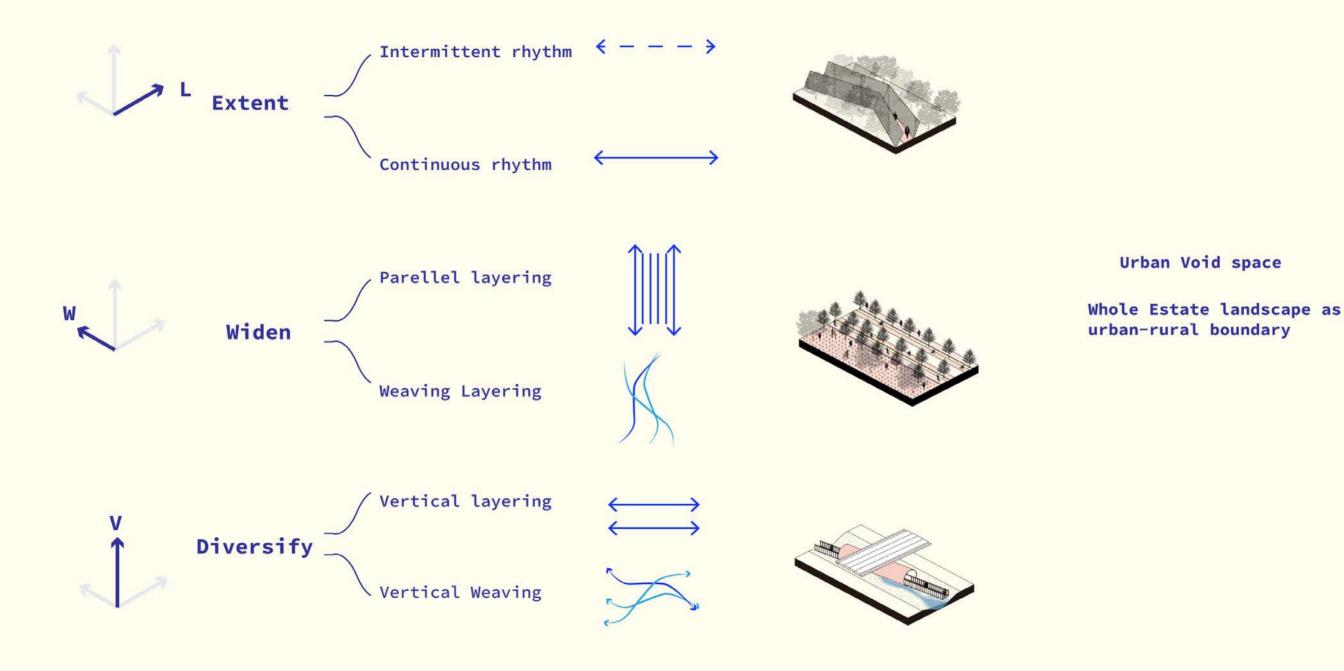


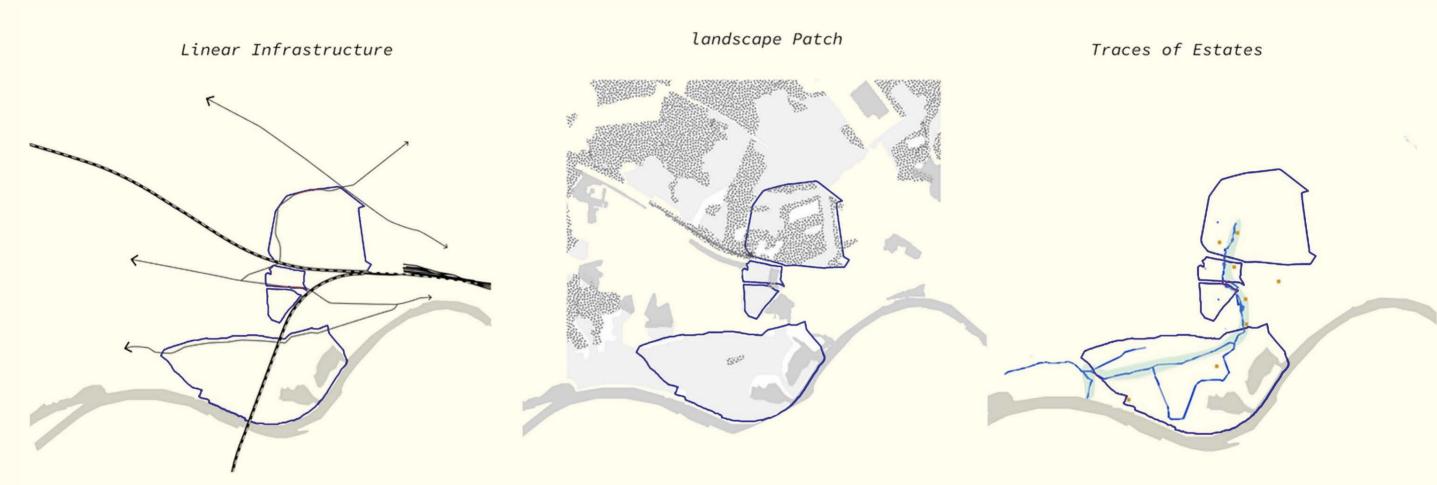


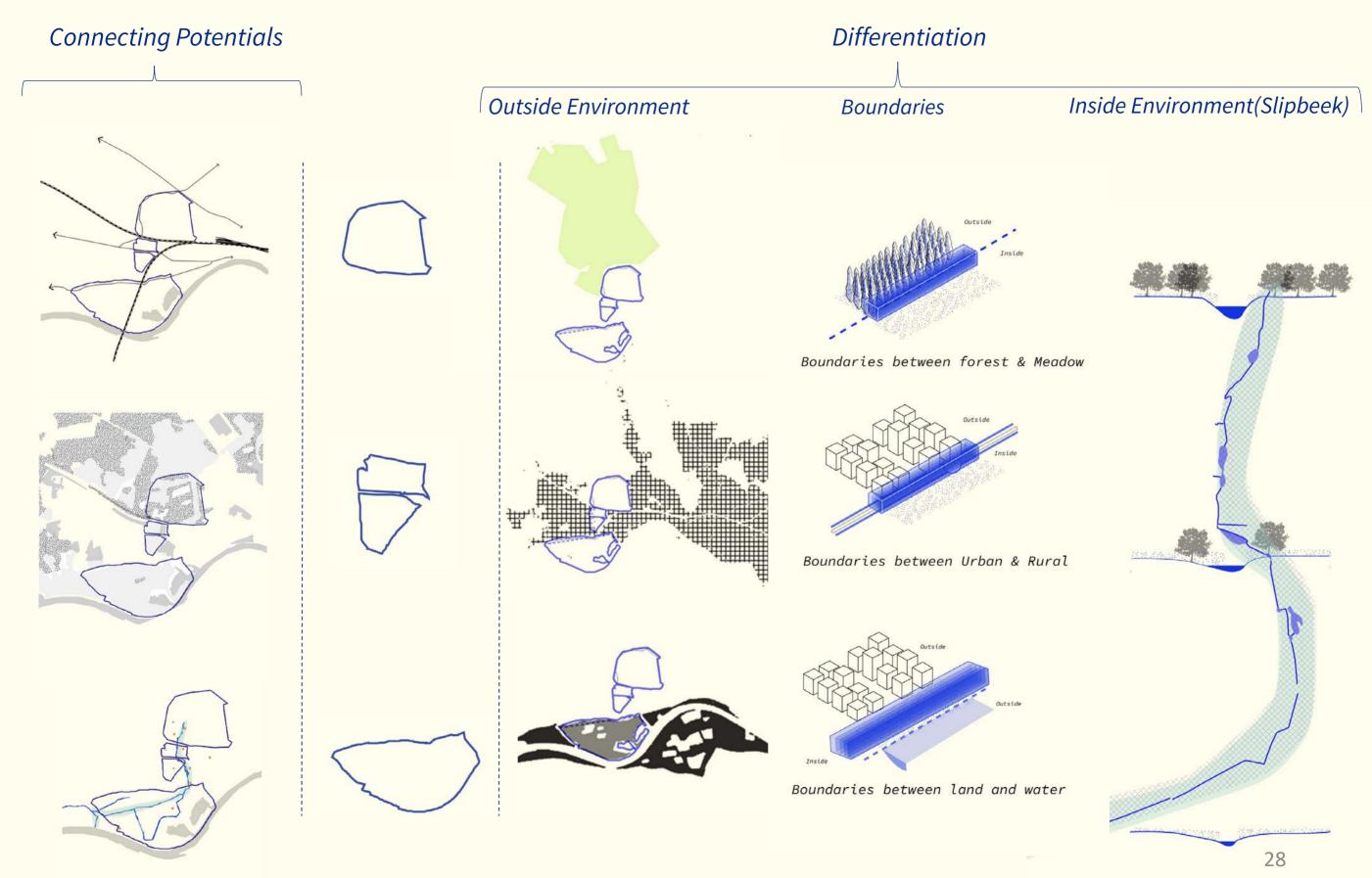


#### **Spatial Approaches** [s]

#### Boundaries thinking [ M/l ]





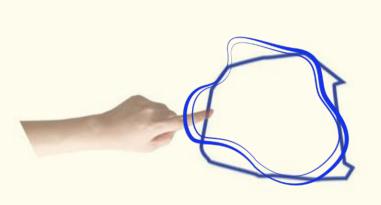


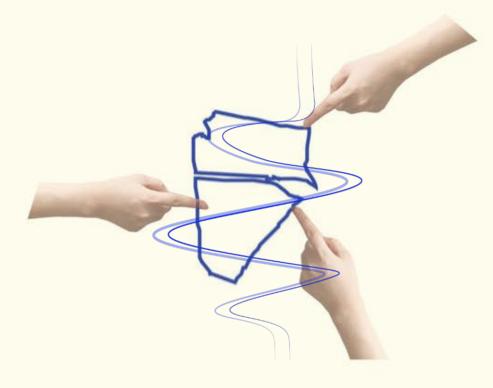
Characterized Boundaries Strategies

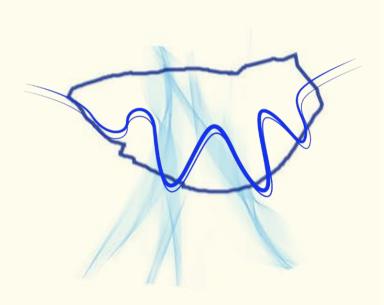
#### **Mysterious Boundaries**

#### Permeable Boundaries

#### **Shifting Boundaries**



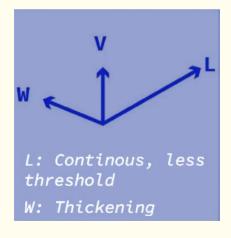


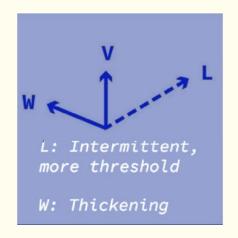


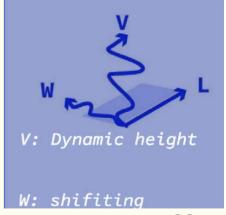
Slight Curve

**Strong Curve** 

Nature Manipulation (Water)







29









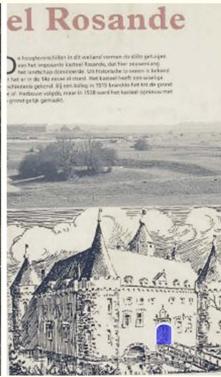




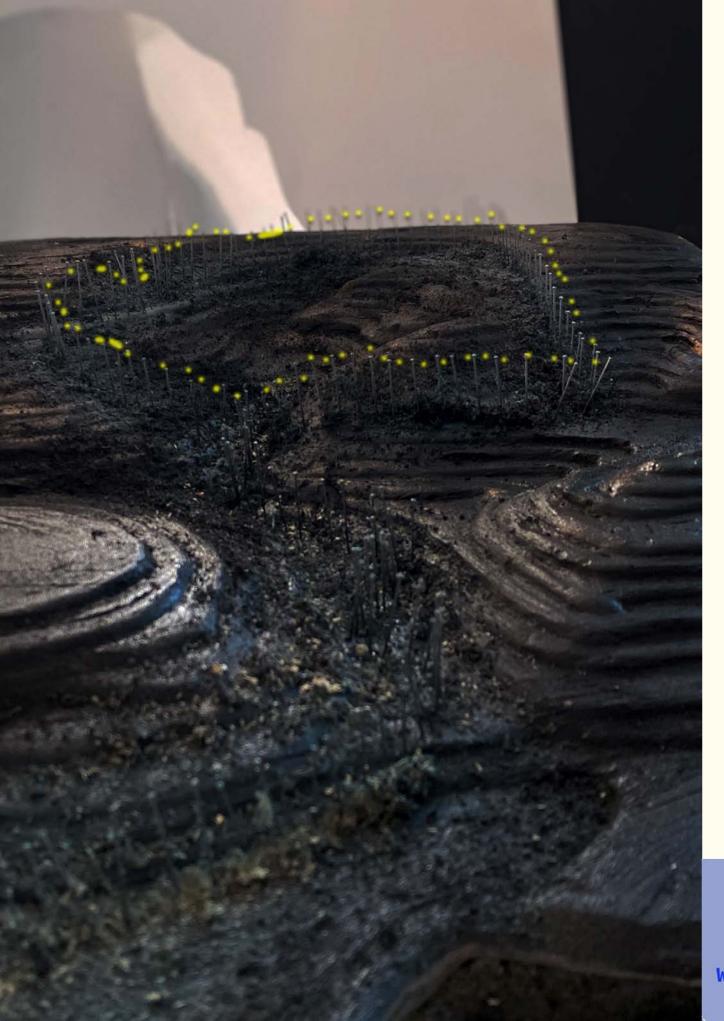


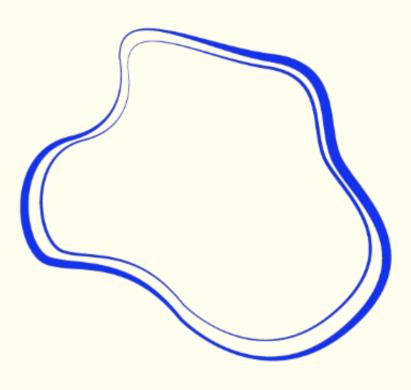






Design Language

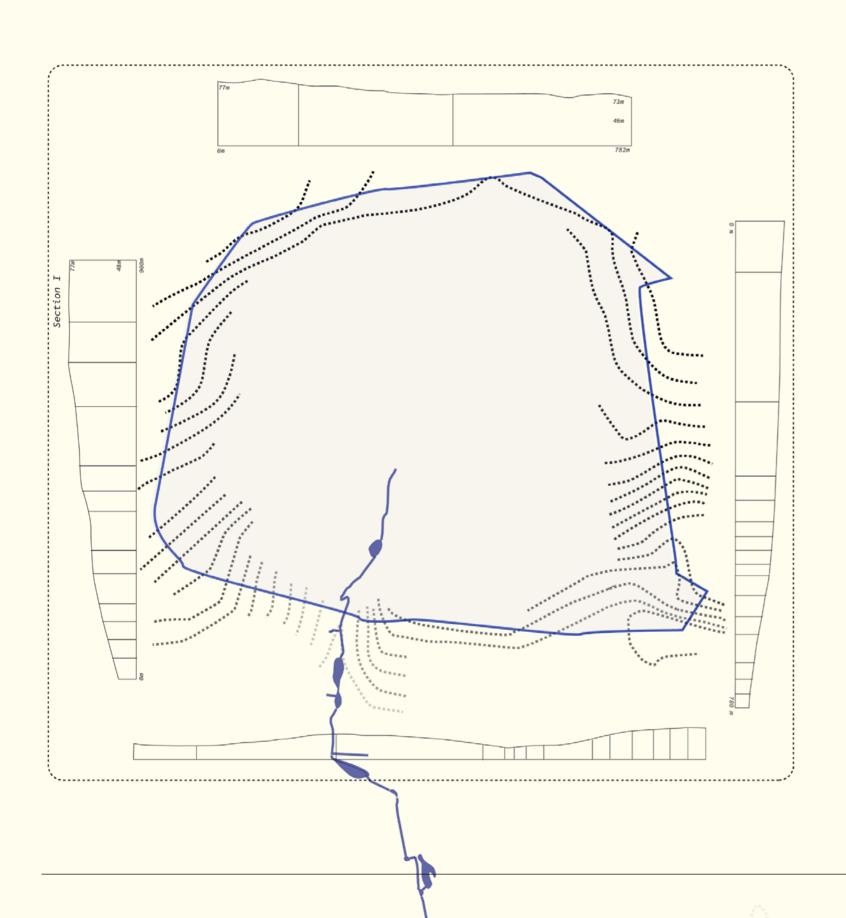




### MYSTERIOUS BOUNDARIES

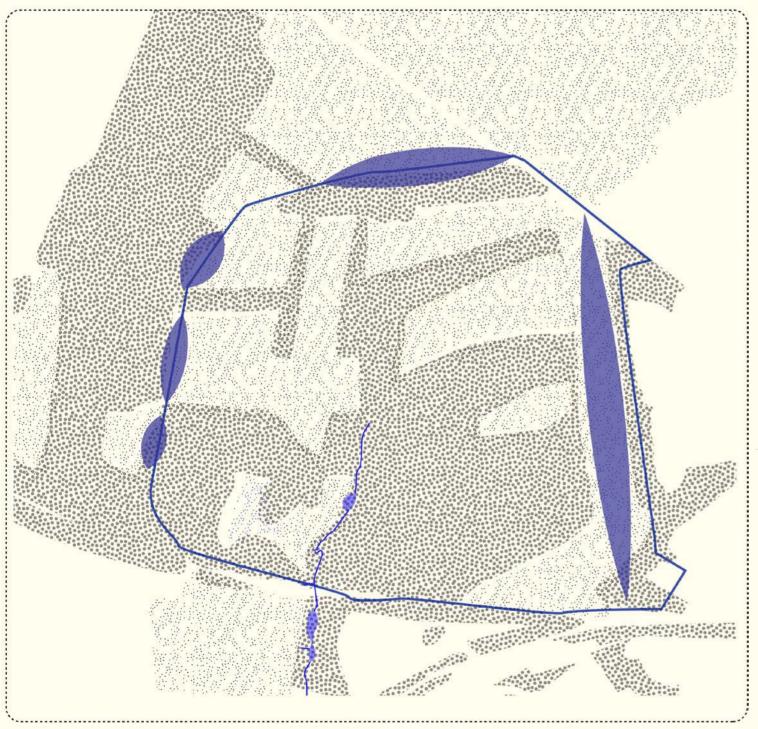
Width Transitional forest boundary

Length Continous boundary lenth



Part1 / Mysterious Boundaries

Boundaries Lens - Topo





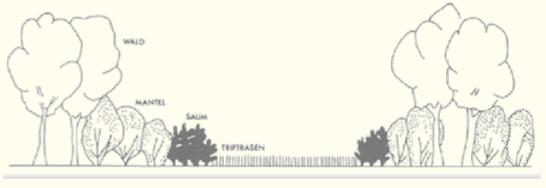
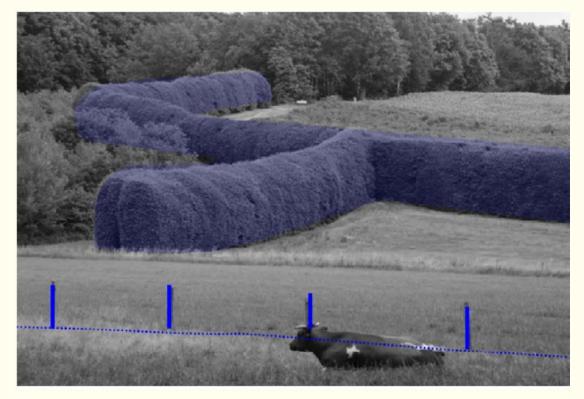


Figure II. Schematic depiction of the community structure in the pasture-woodland vegetation complex "Borkener Paradies" (taken from Pol! & HOppe

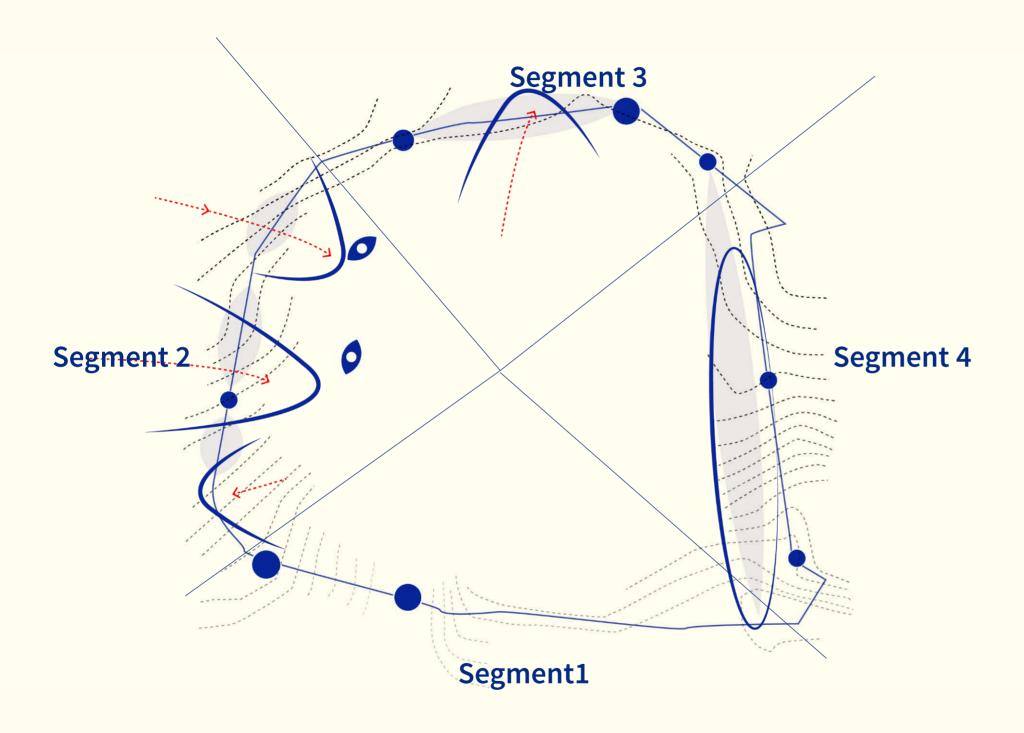
Part1 / Mysterious Boundaries Boundaries Lens – Eco tone

### poerline

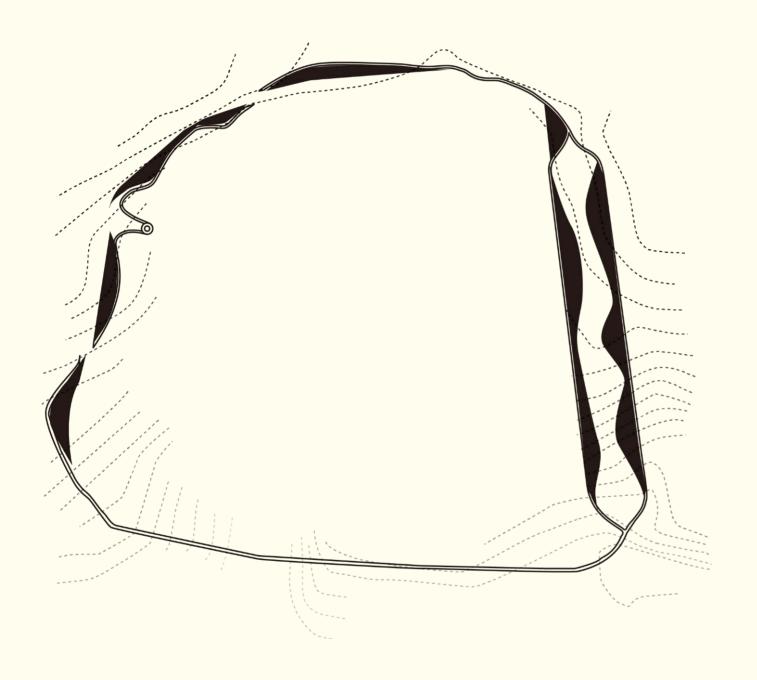


Part1 / Mysterious Boundaries Boundaries Lens - Social

### **Boundaries lens- Topo**

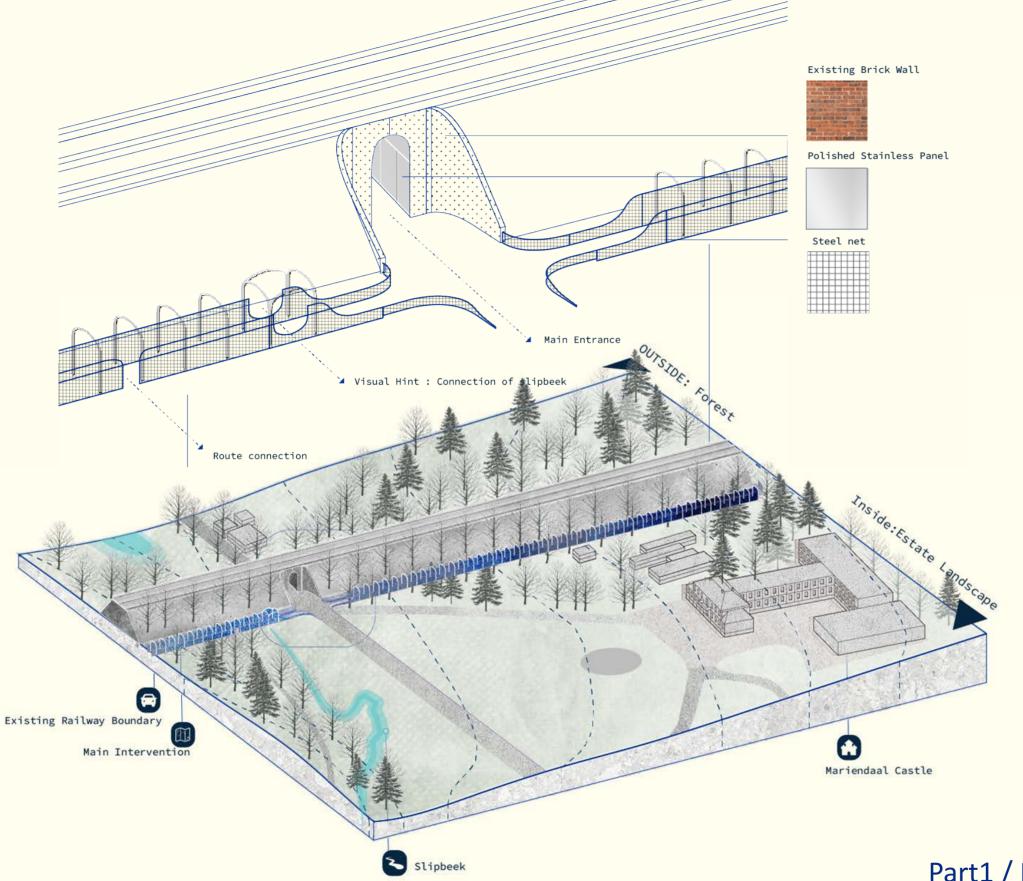


Part1 / Mysterious Boundaries







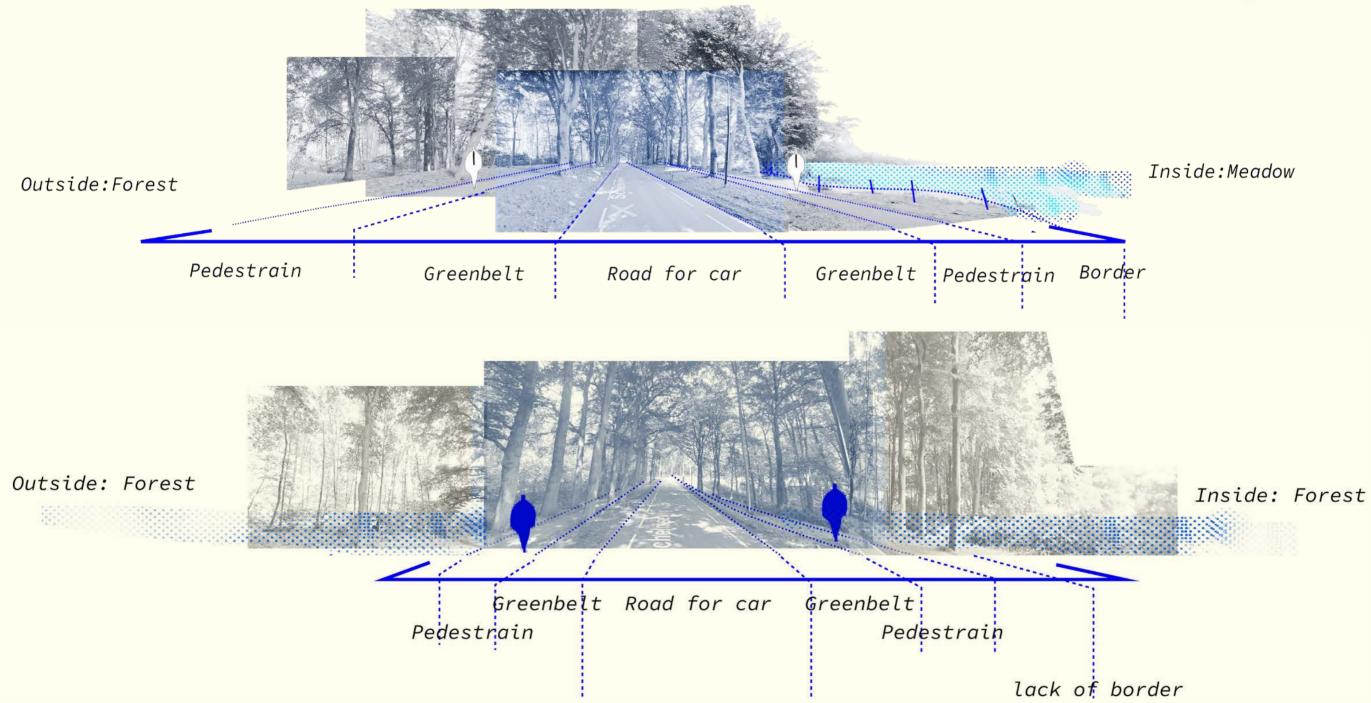


Part1 / Mysterious Boundaries Segment 1 / New Bedstee/ Boundaries along the railway

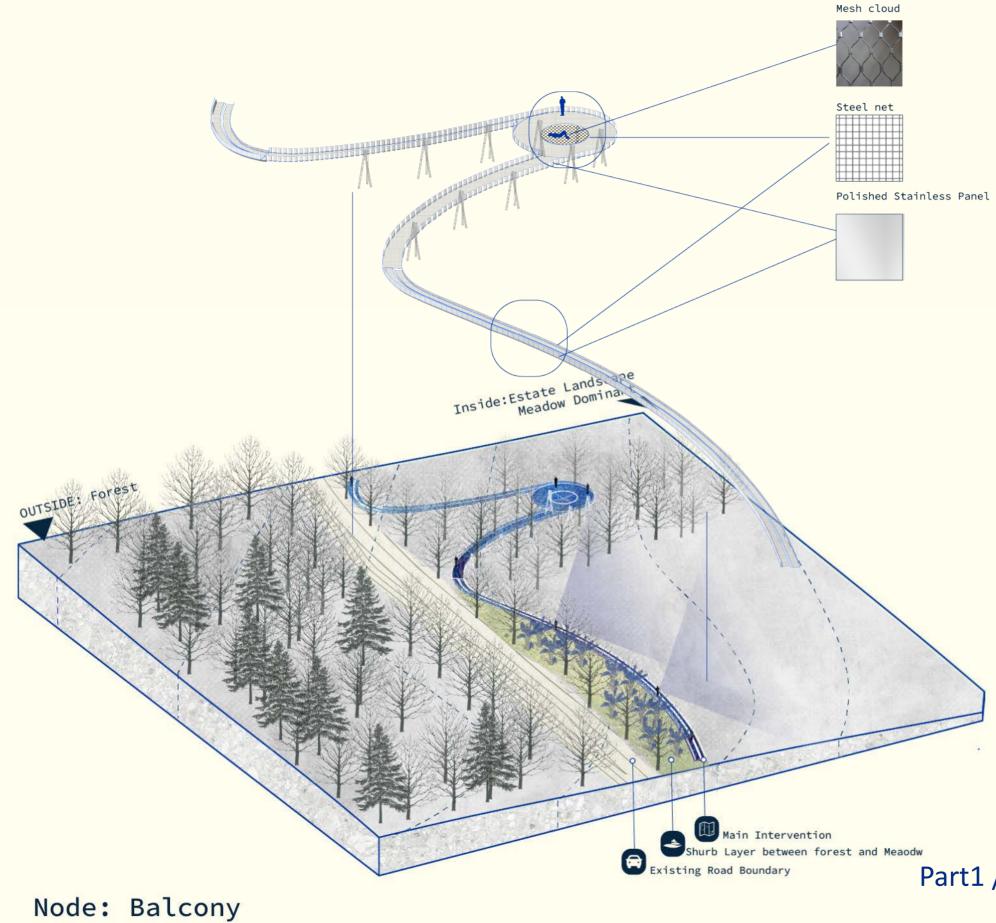


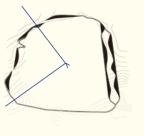
# current

#### Segment 2 current



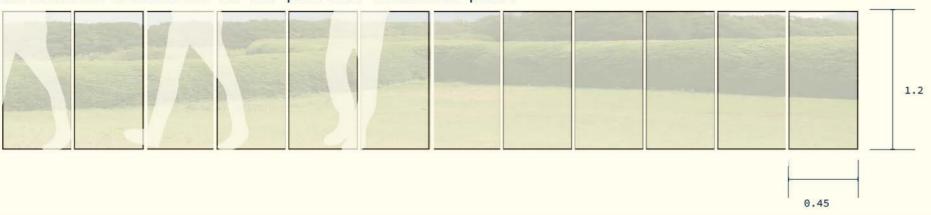
Part1 / Mysterious Boundaries
Segment 2 / Balcony/ Boundaries in Forest Fringe / Continuous Forest

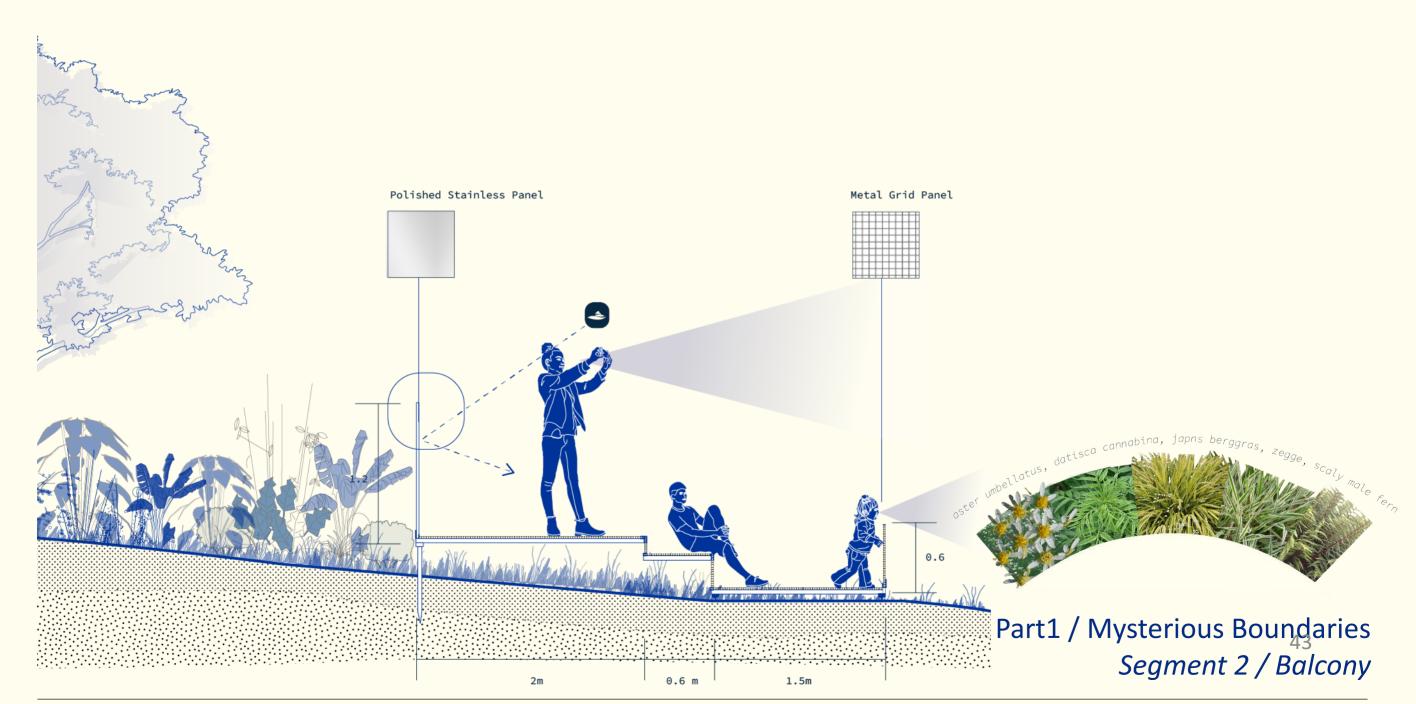


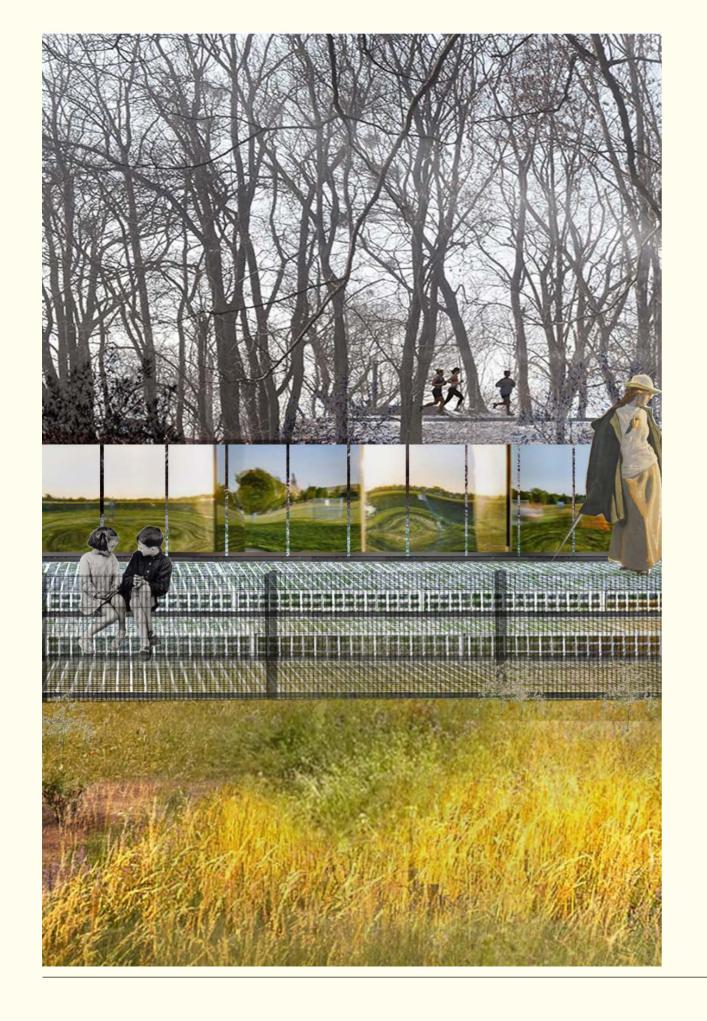


Part1 / Mysterious Boundaries
Segment 2 / Balcony

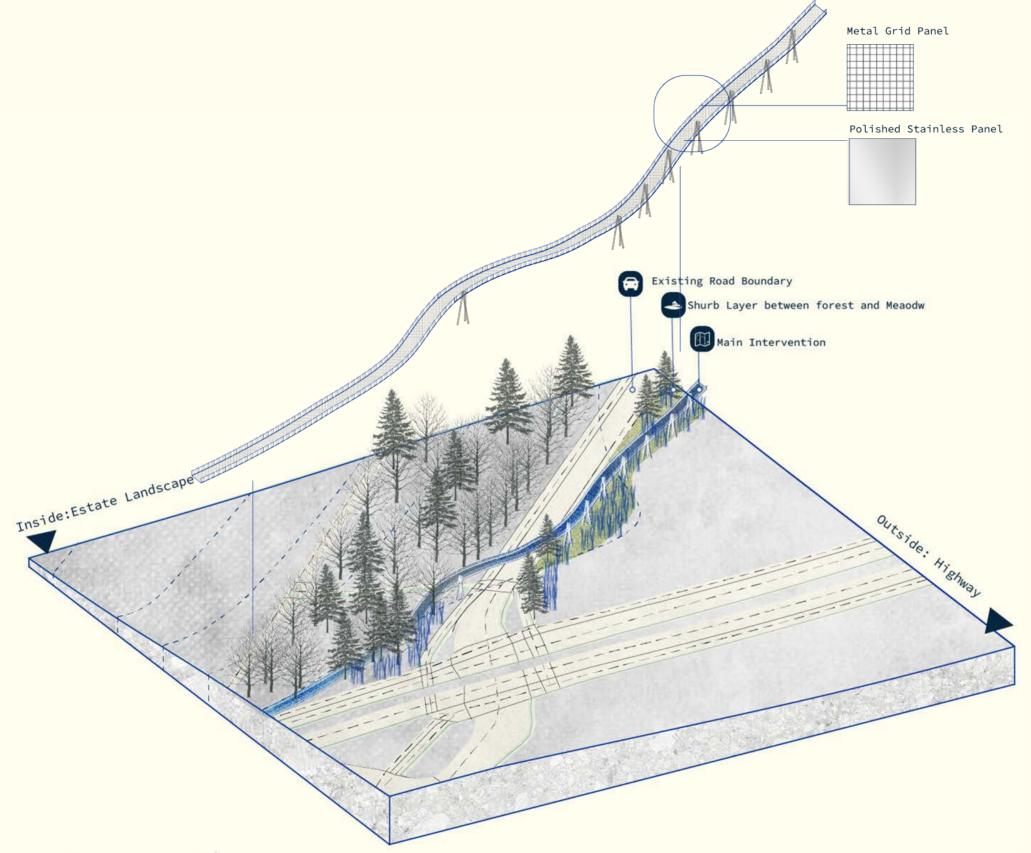
Environment Reflection On the polished stainless panel



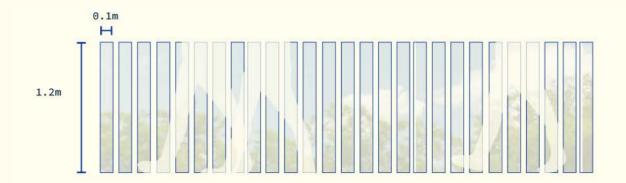


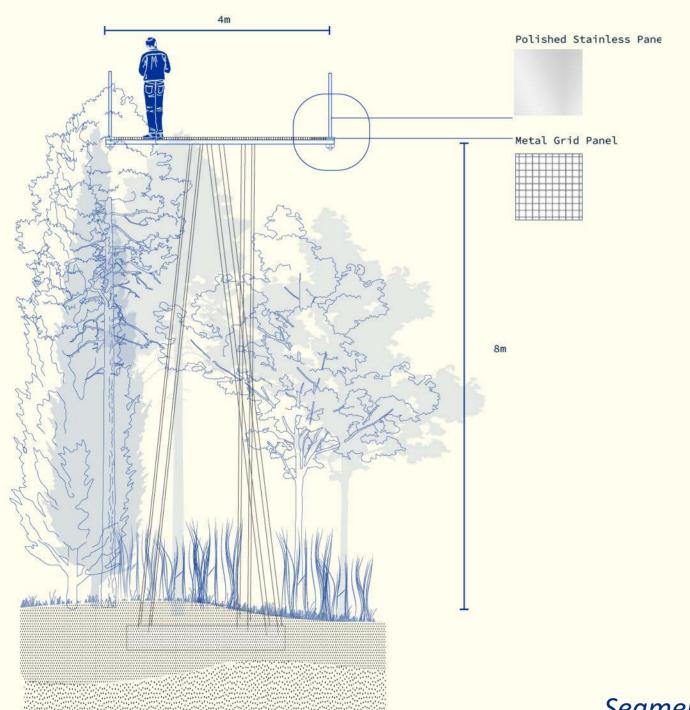


Boundary Impression from the inside





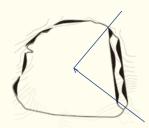


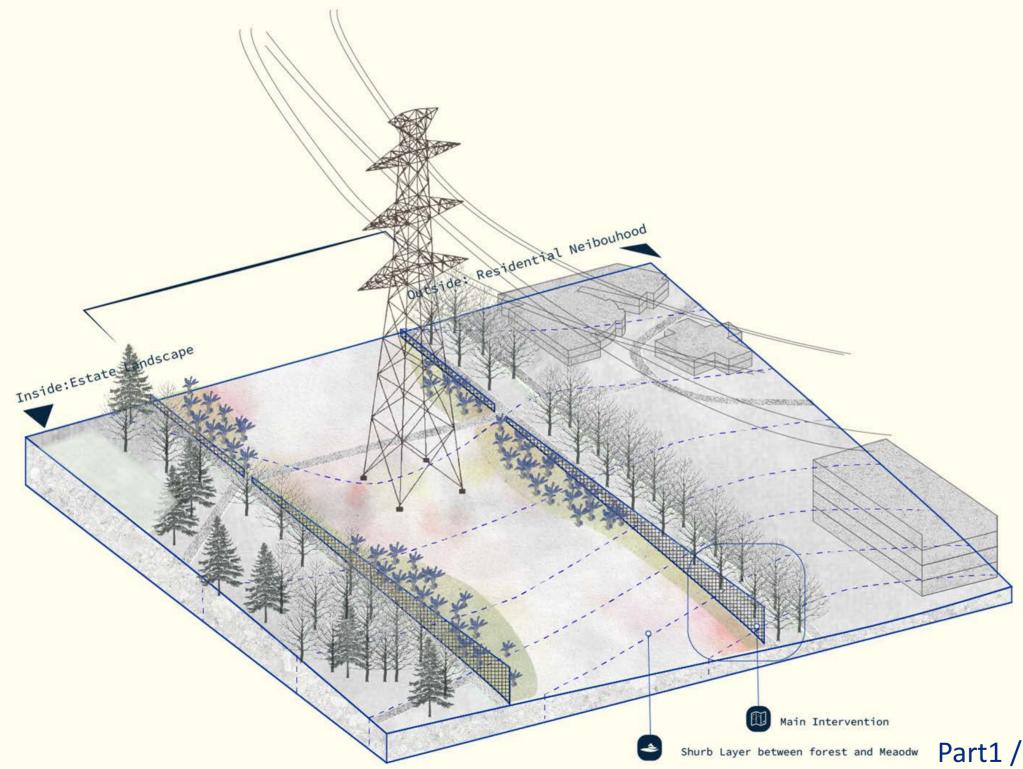




Part1 / Mysterious Boundaries Segment 3 / Sky kiss / Boundaries Near Highway



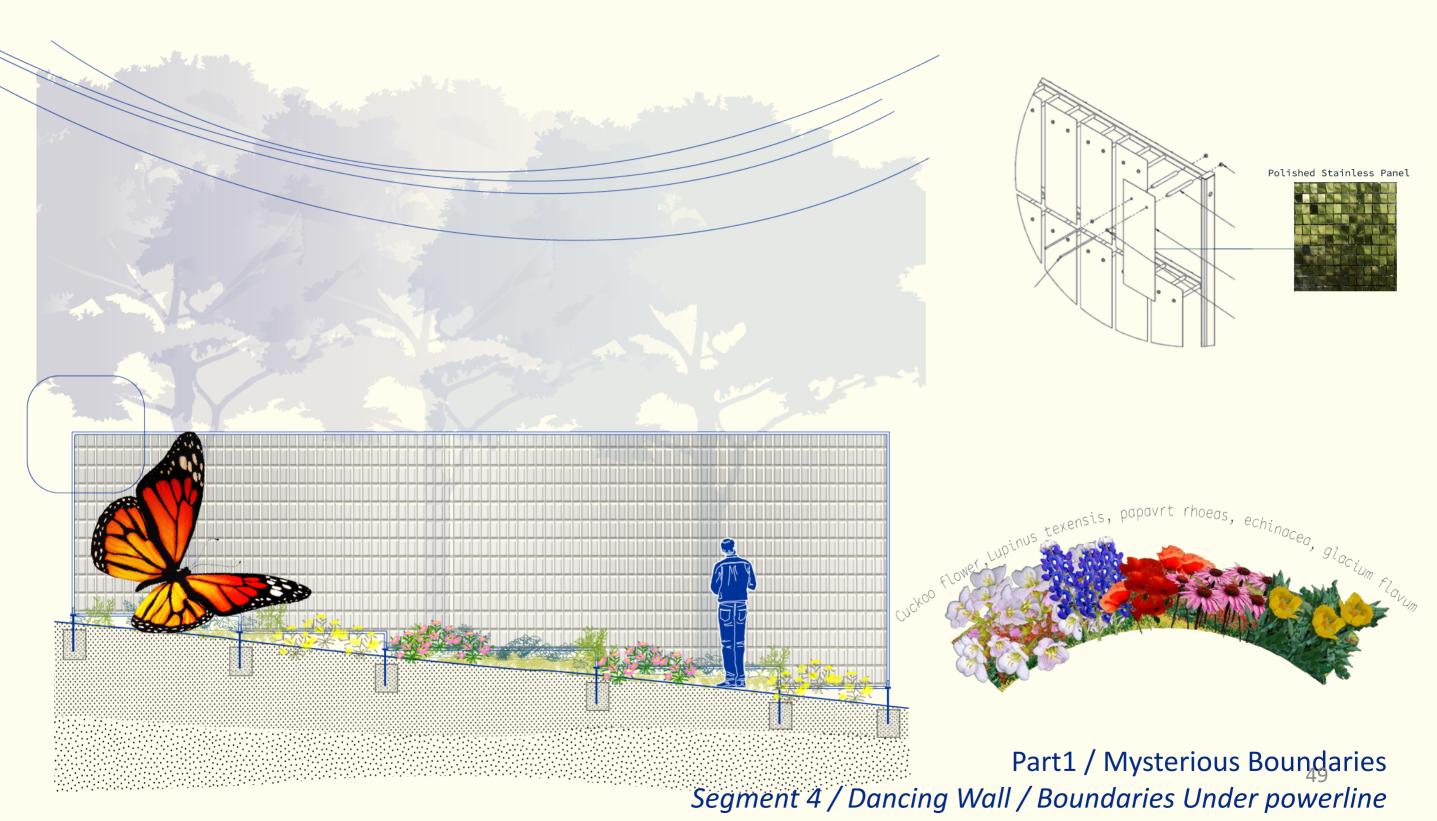




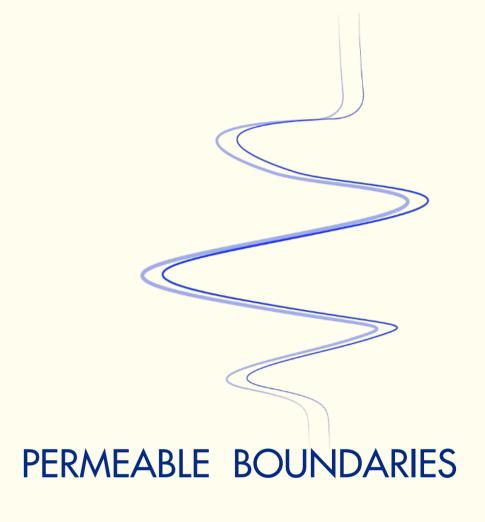
Shurb Layer between forest and Meaodw Part1 / Mysterious Boundaries

Segment 4 / Dancing Wall / Boundaries Under powerline









Width Widen riparian space

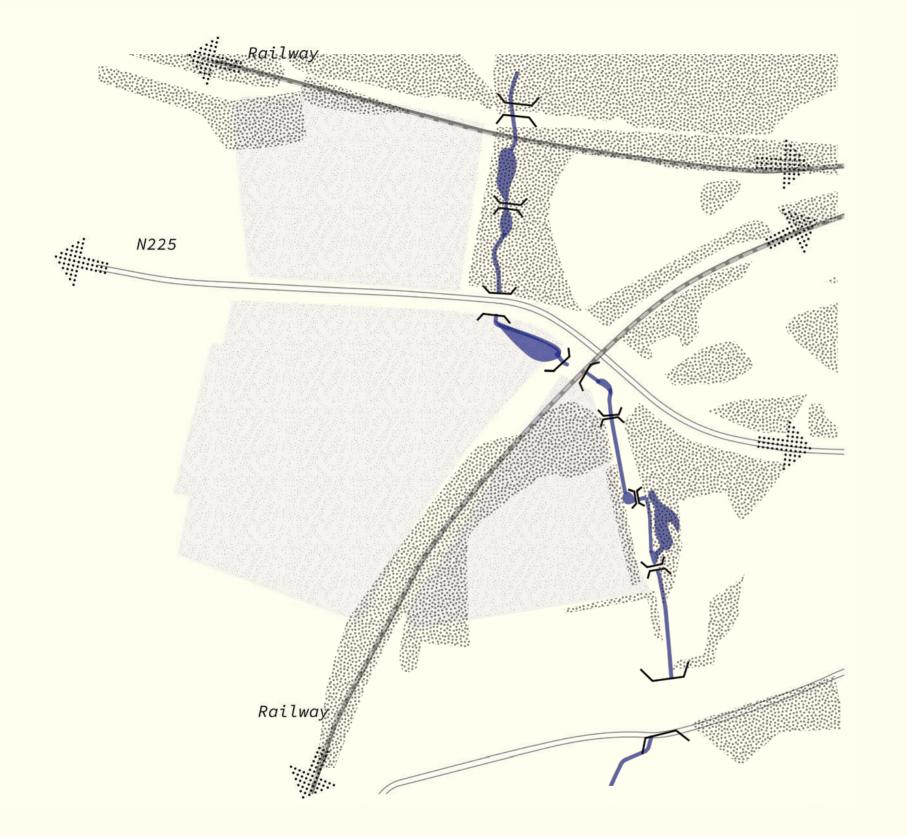
V
Length Reconnect the slipbeek

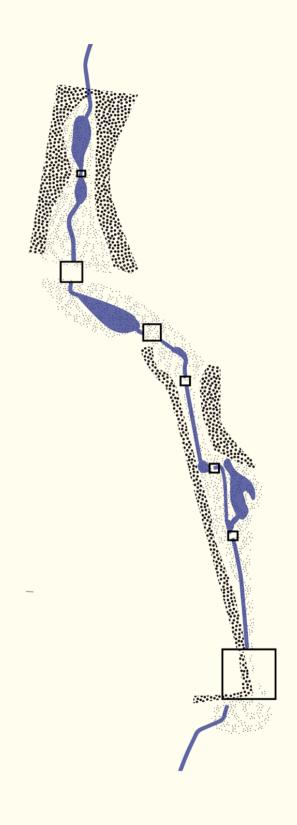
Verticality diversify the threshold



Relocating the boundaries – Slipbeek as new boundary

Part2 / Permeable Boundaries Boundaries Lens – Topo





W: Add Riparian zone

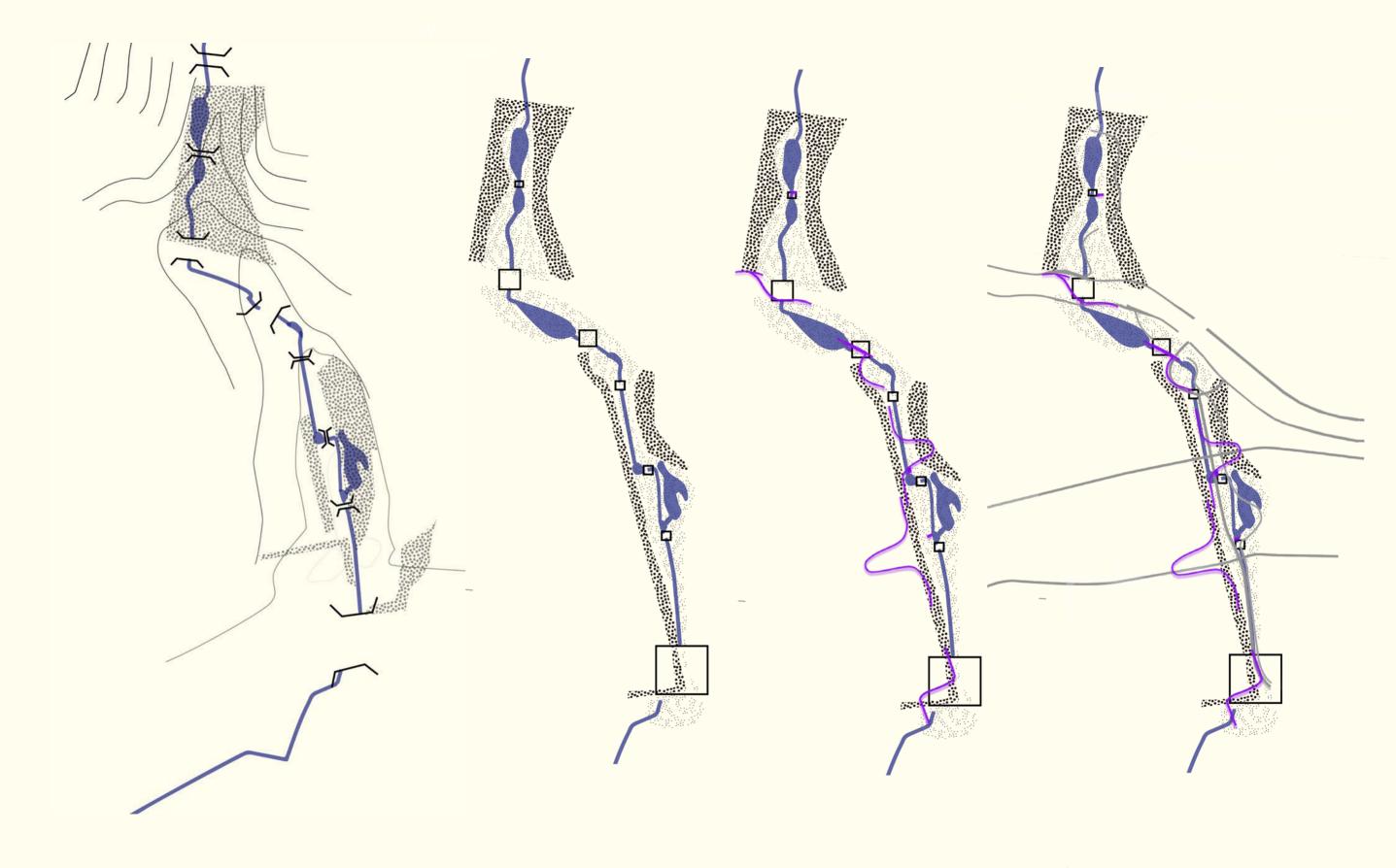
Part2 / Permeable Boundaries Boundaries Lens- Eco tone



L: Design Intervention stitching up the gaps

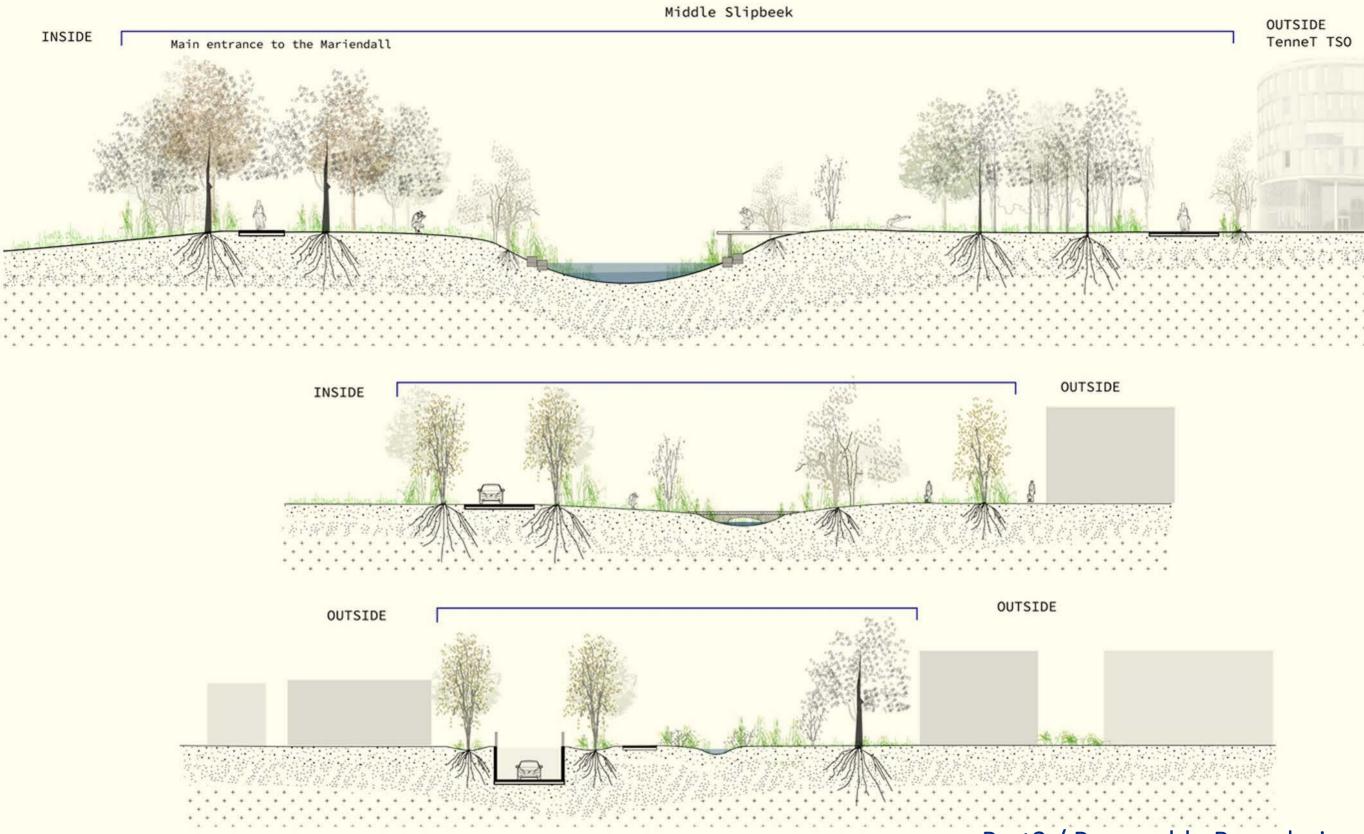
Part2 / Permeable Boundaries

Boundaries Lens- Social

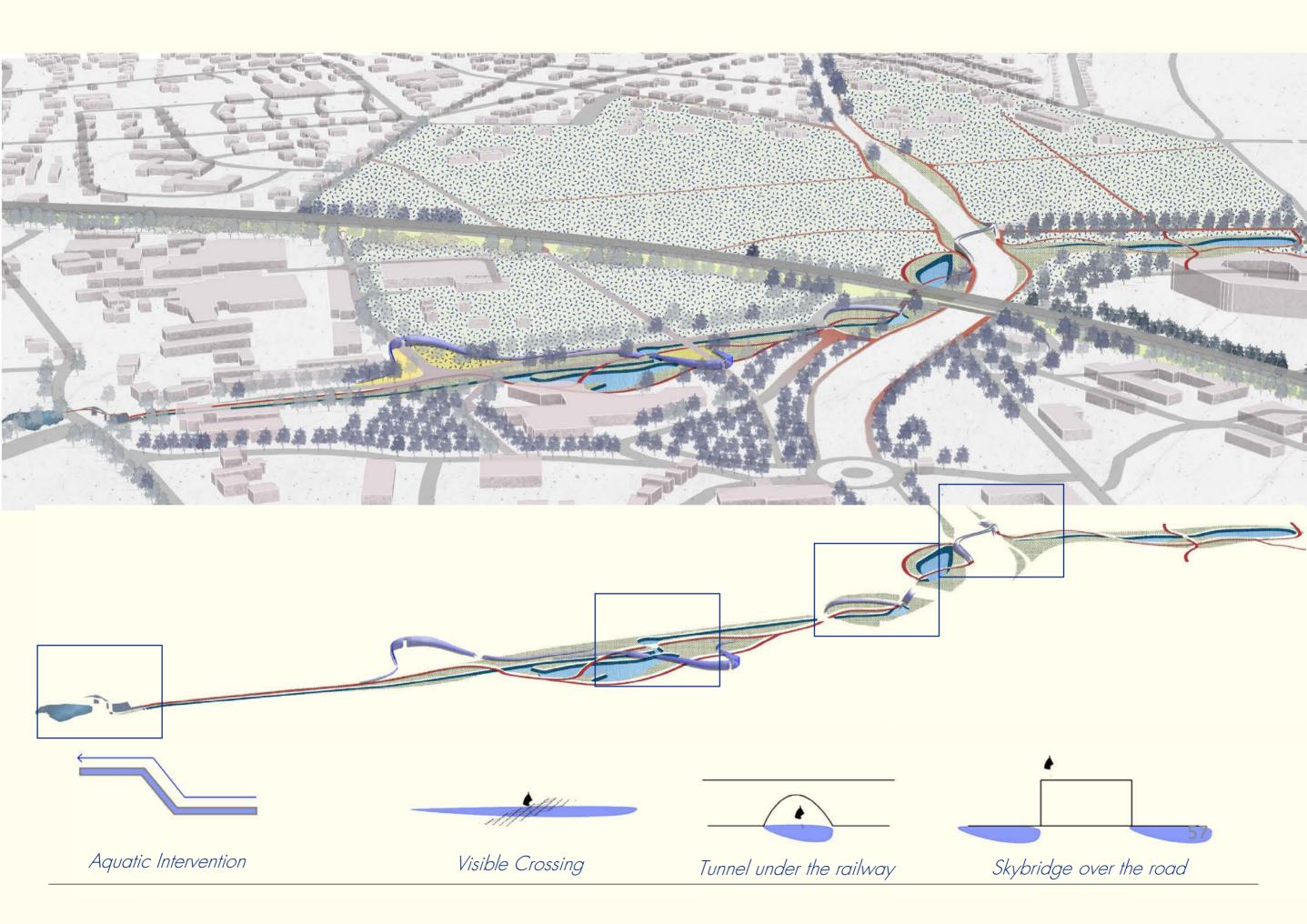


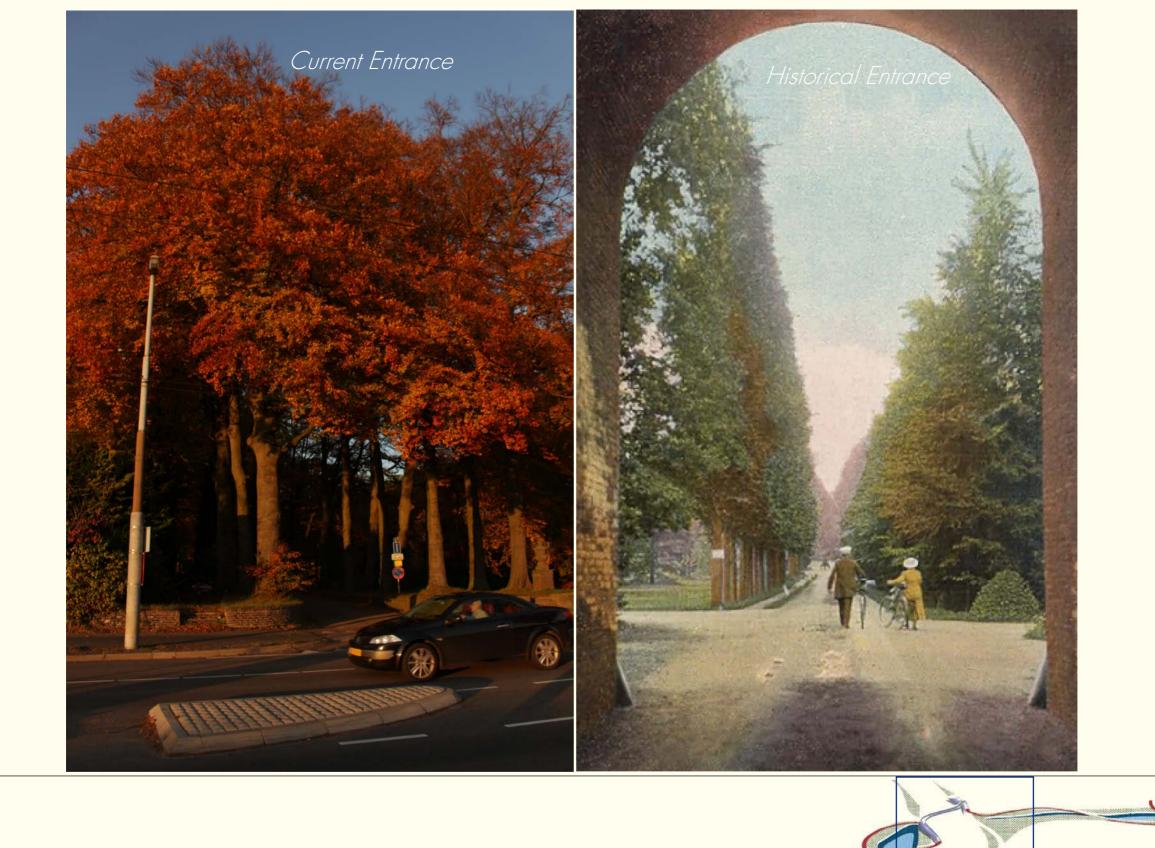
Part2 / Permeable Boundaries Boundaries Lens



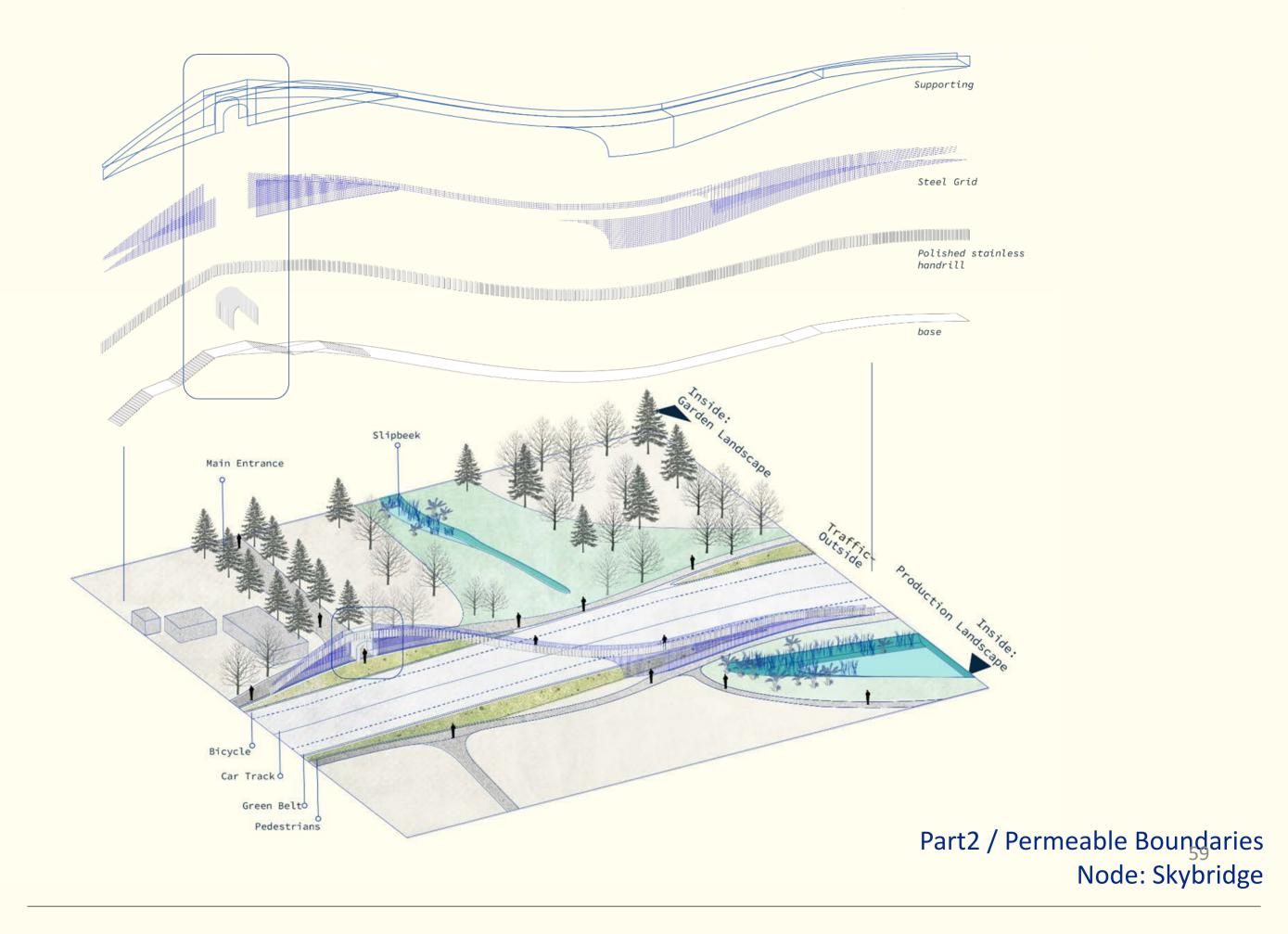


Part2 / Permeable Boundaries
Design Section

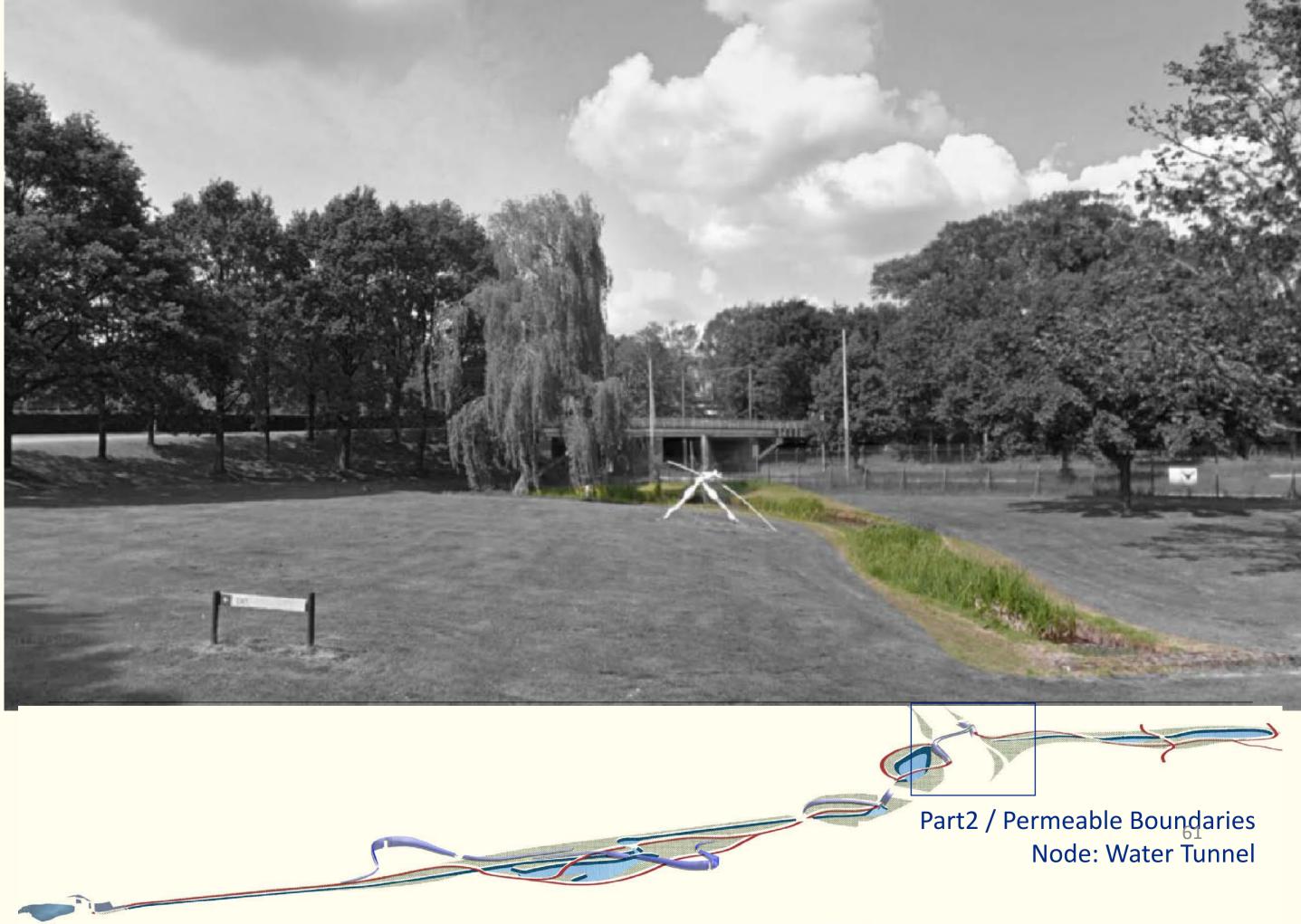


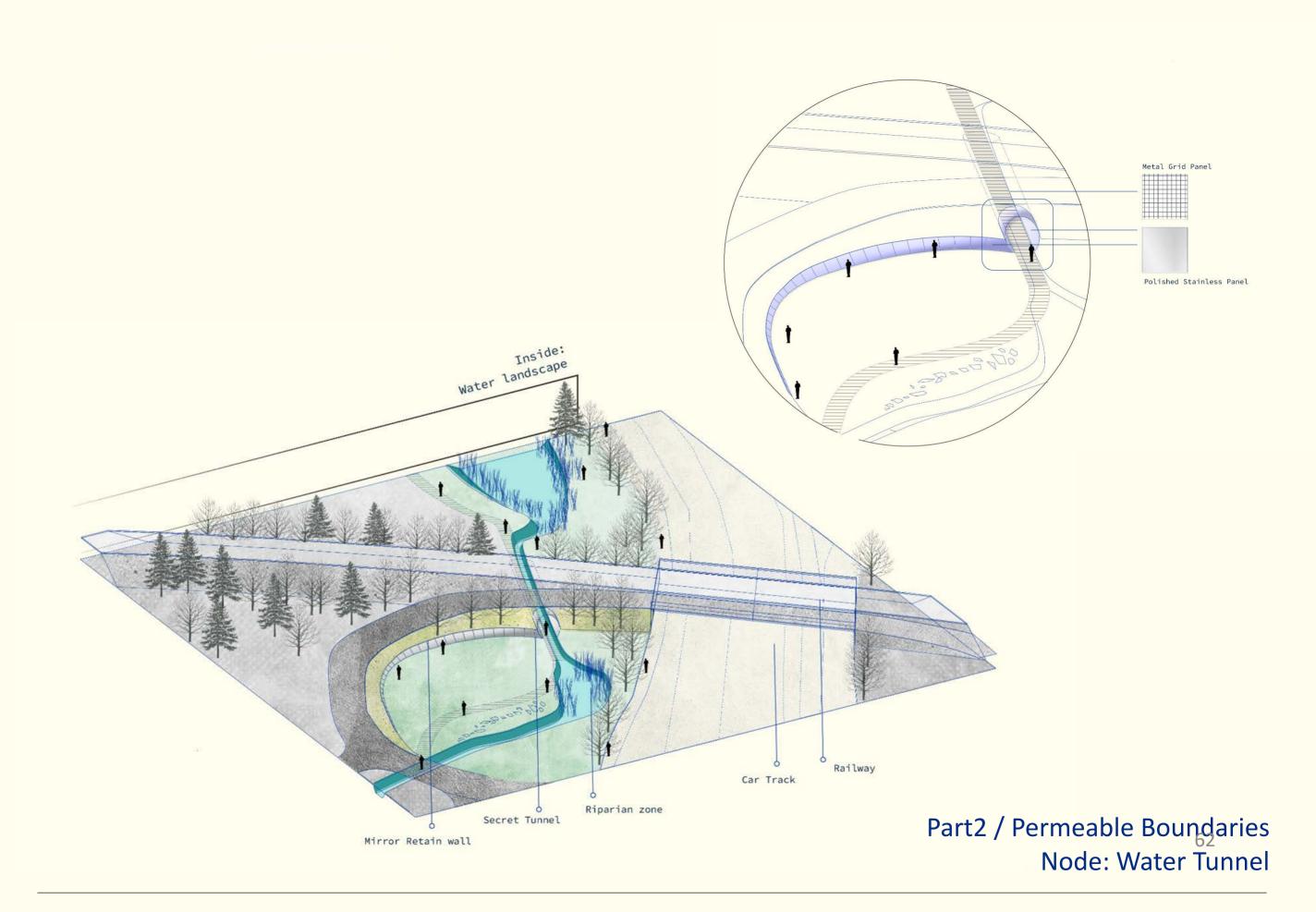


Part2 / Permeable Boundaries
Node: Skybridge



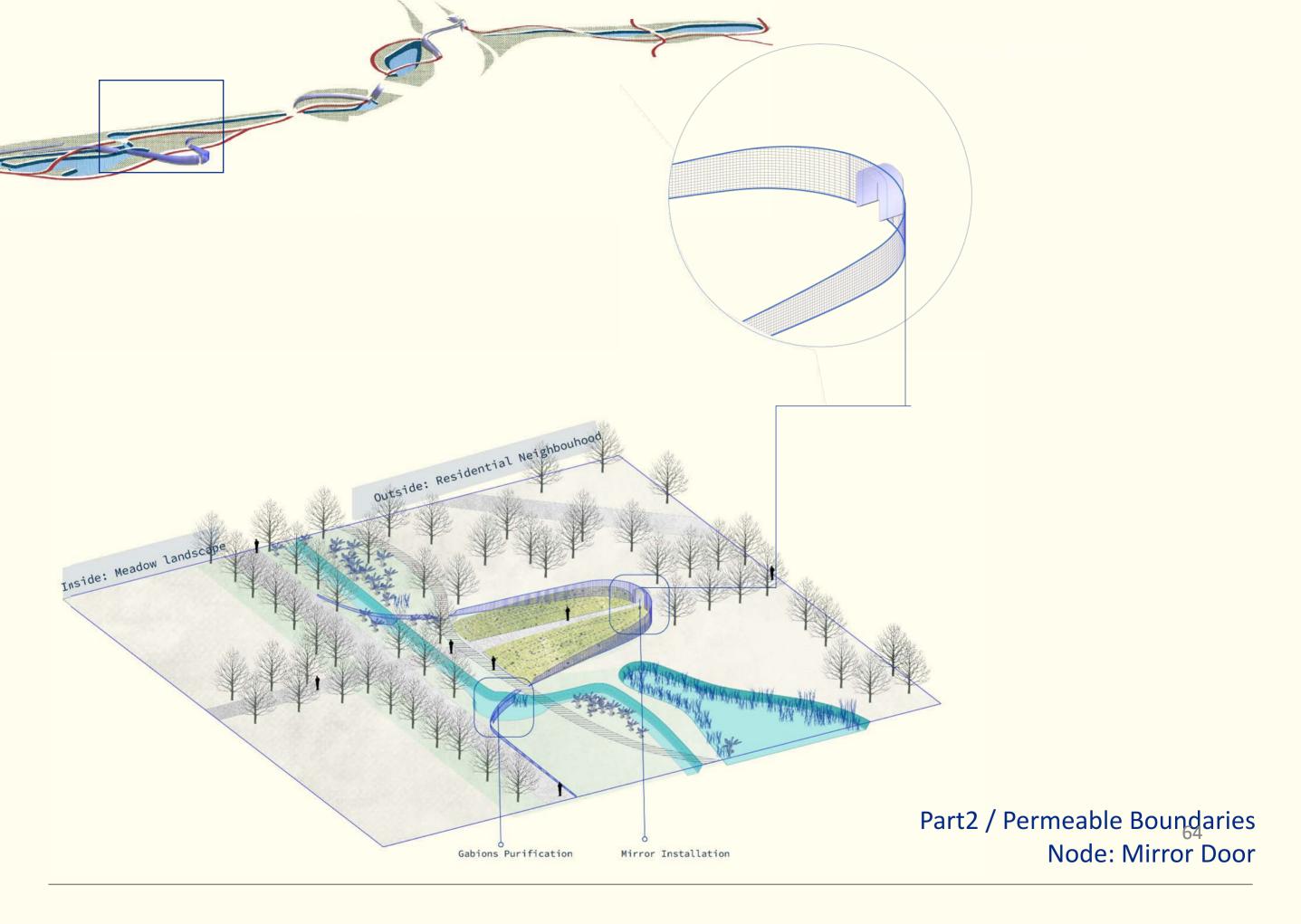


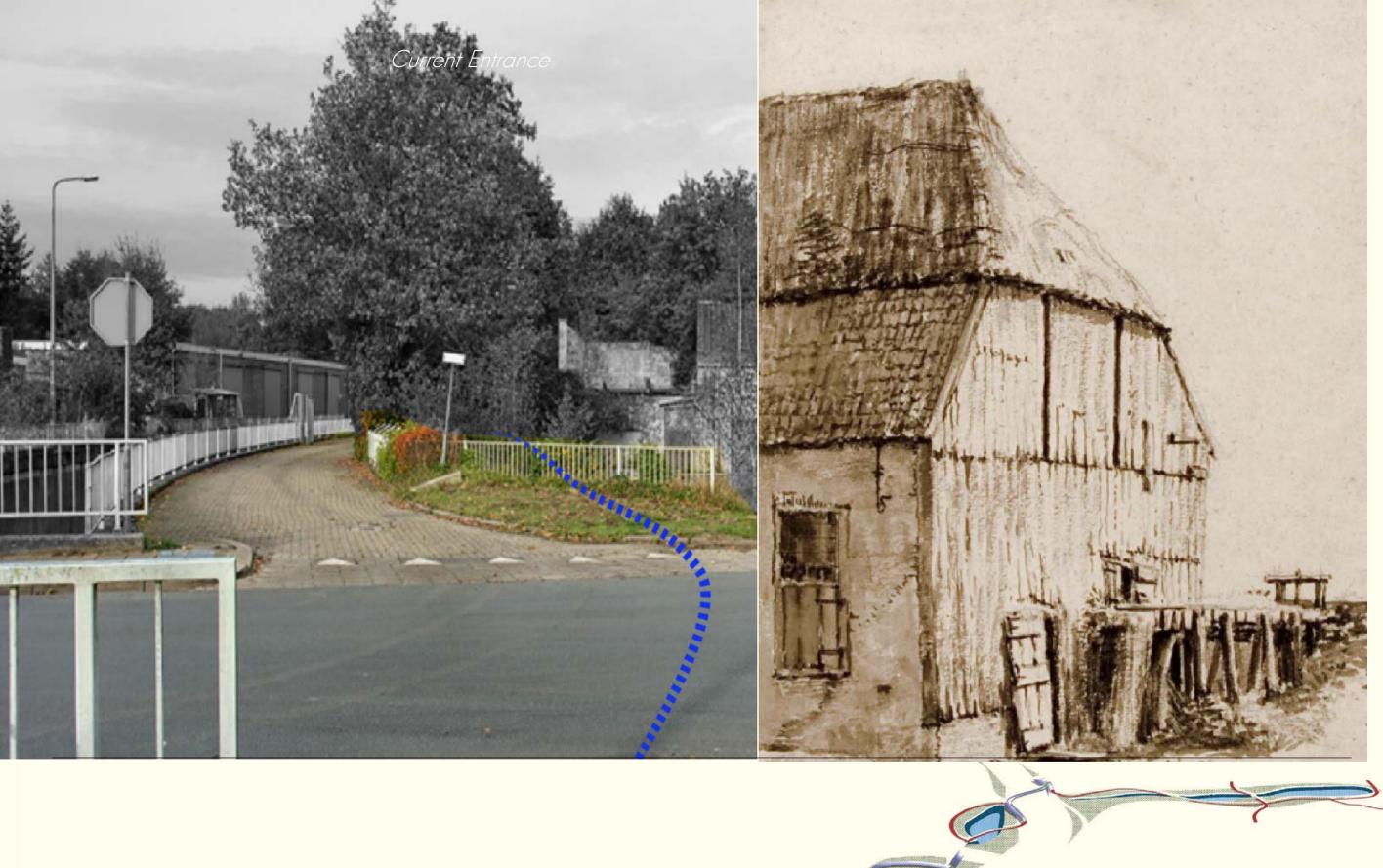




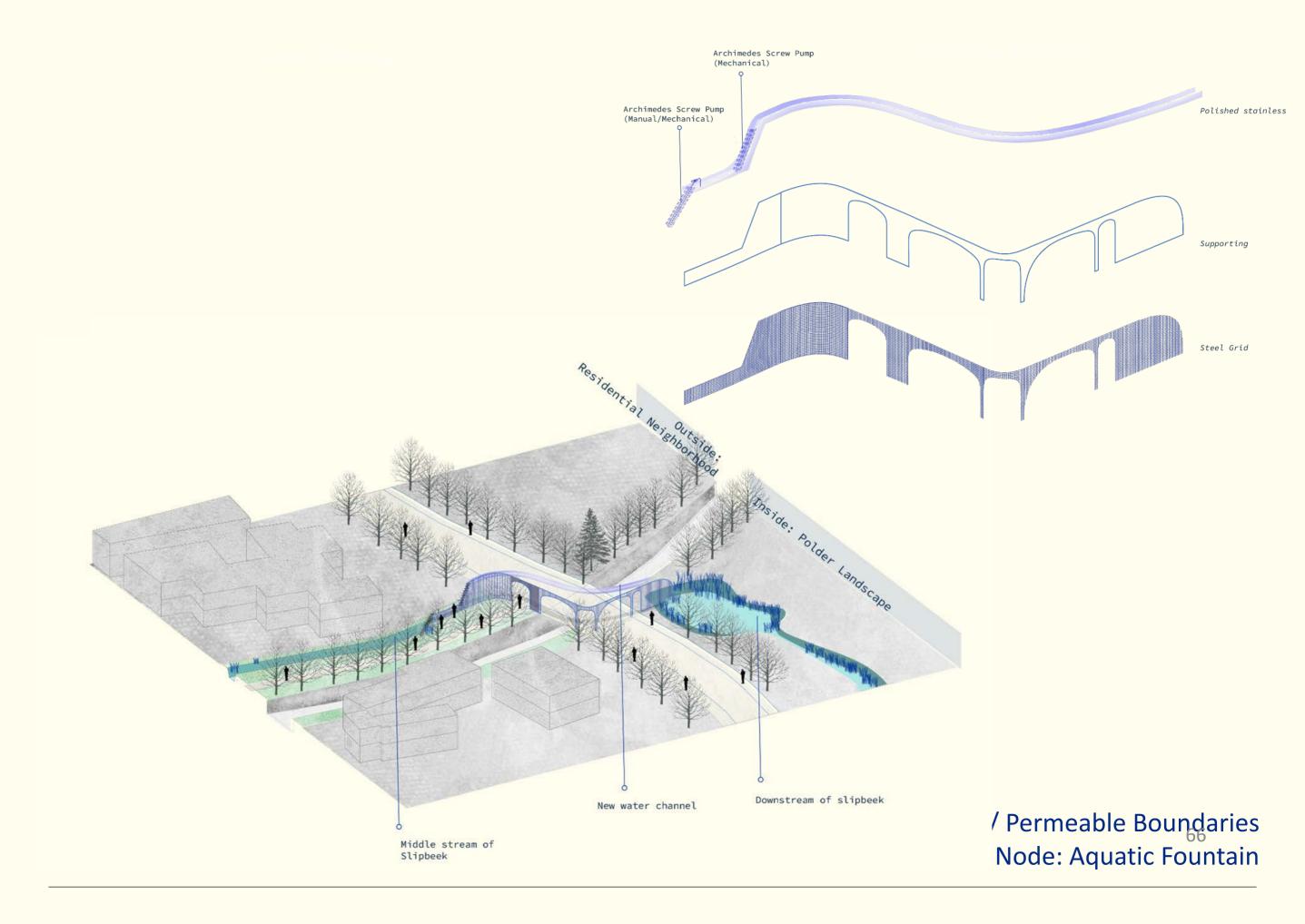






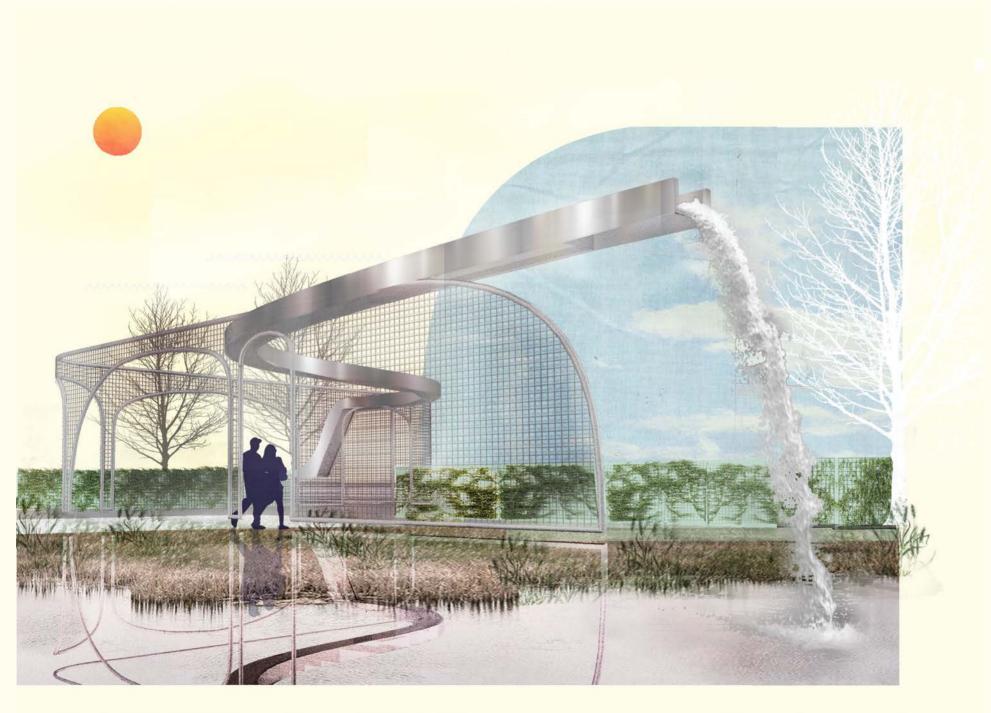


Part2 / Permeable Boundaries Node: Aquatic Fountain





Part2 / Permeable Boundaries Node: Aquatic Fountain Current Entrance Historical Entrance





Part2 / Permeable Boundaries Node: Aquatic Fountain









3 /Shifting Boundaries Master Plan

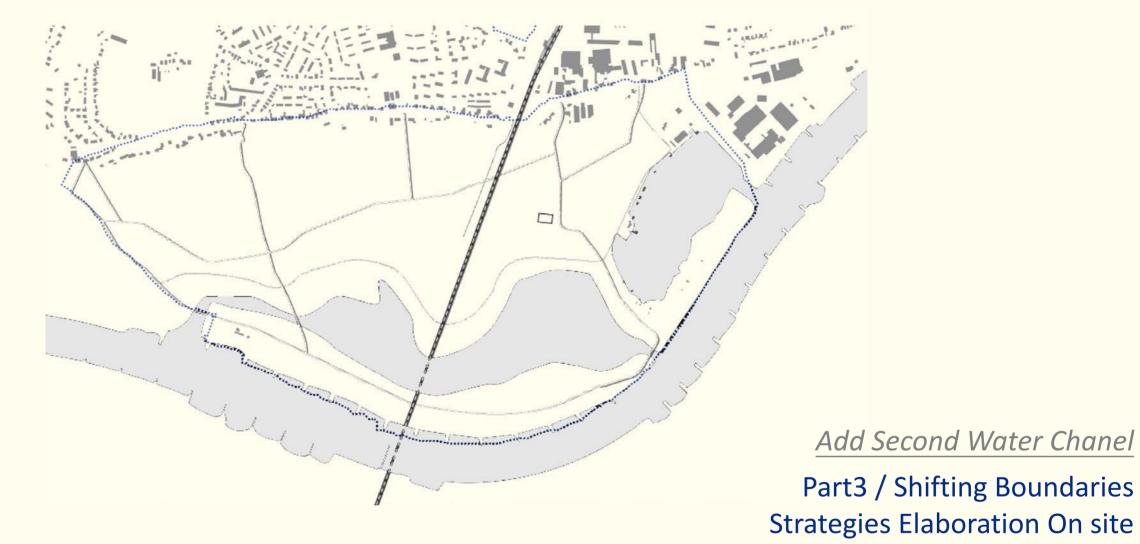
10M

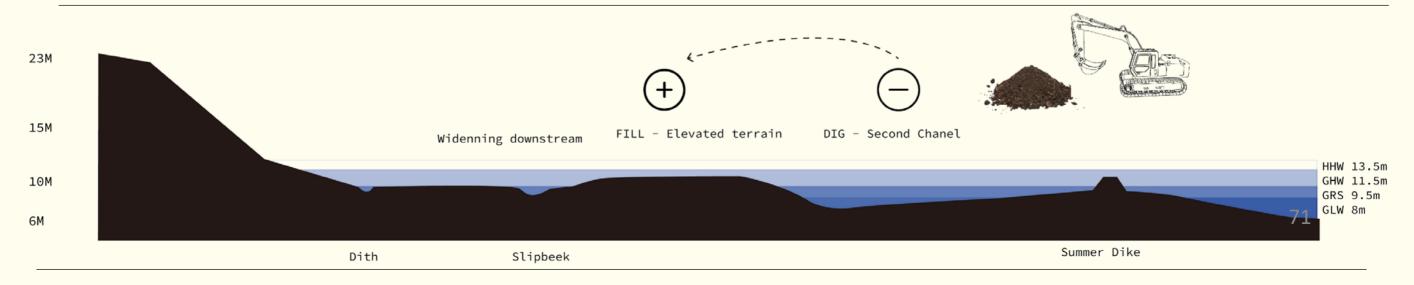
23M

15M

Dith Slipbeek Summer Dike

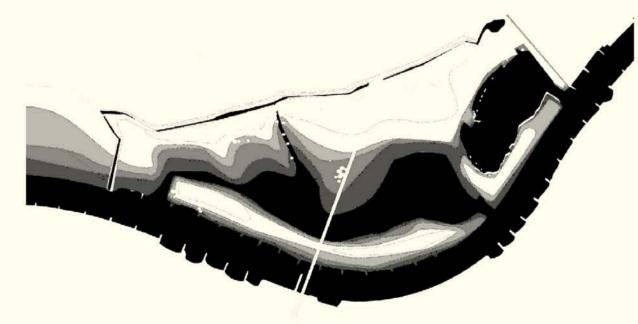
#### Current Entrance



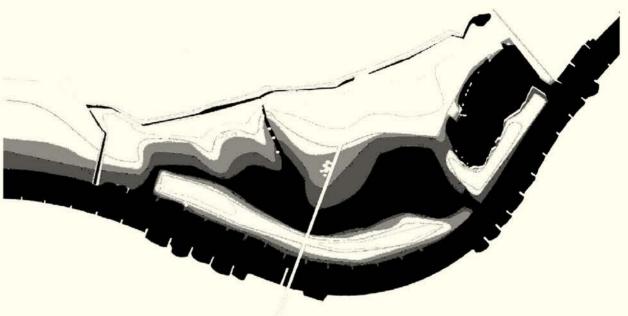




Low water level 8m



High water level 11.5m



Normal water level 9.5m

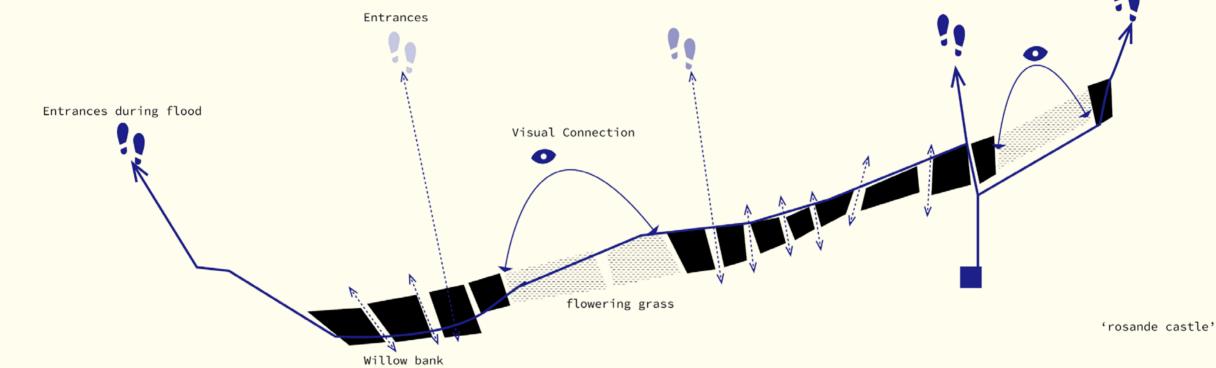


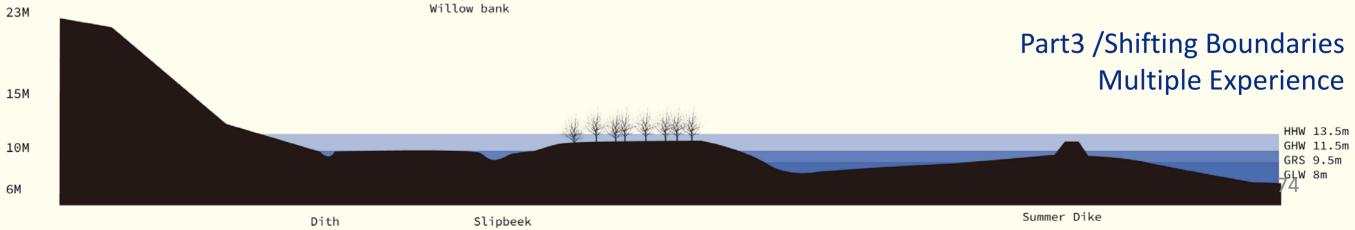
Extreme weather >12m

Part3 / Shifting Boundaries Strategies Elaboration On site



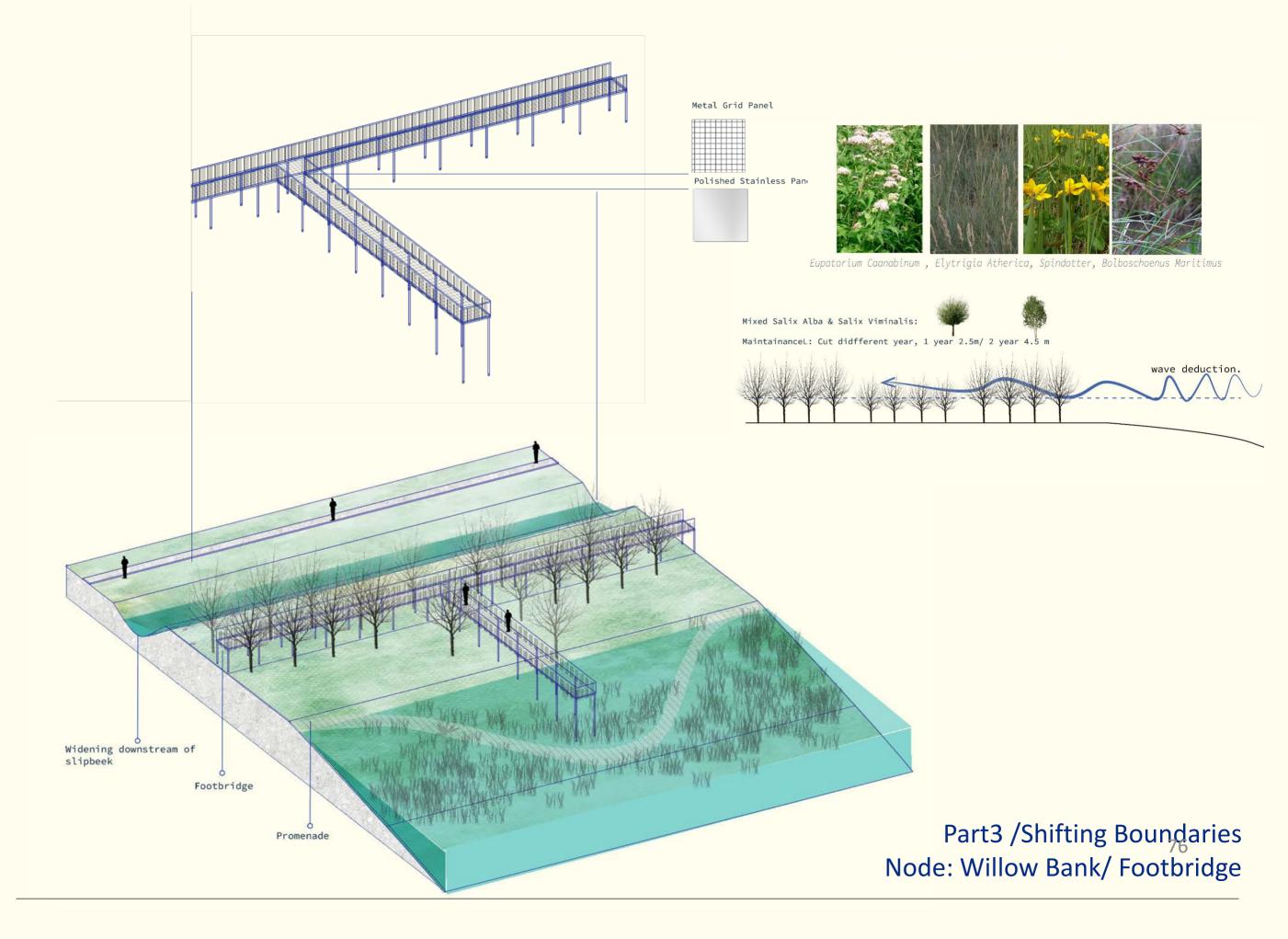


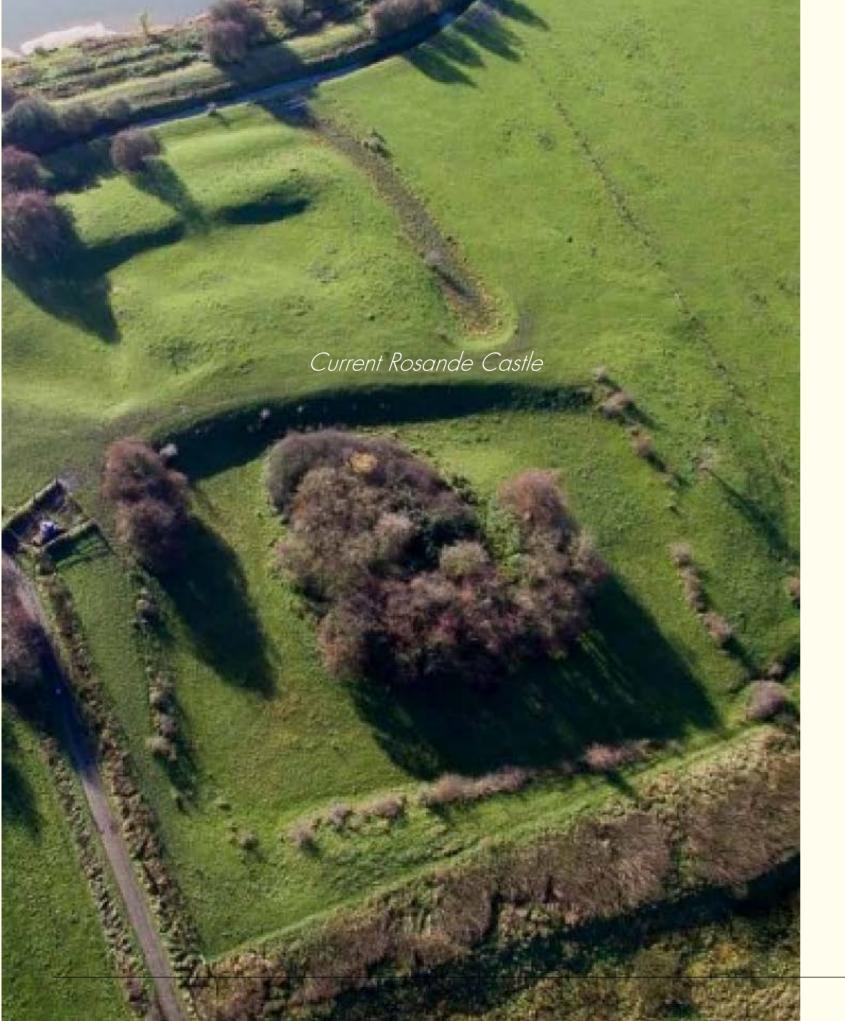


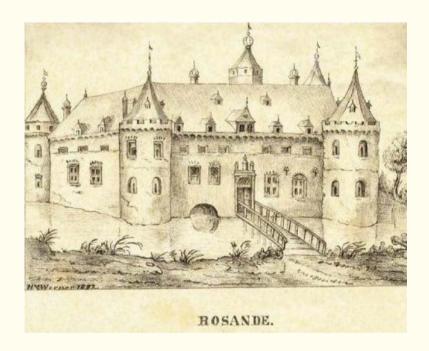




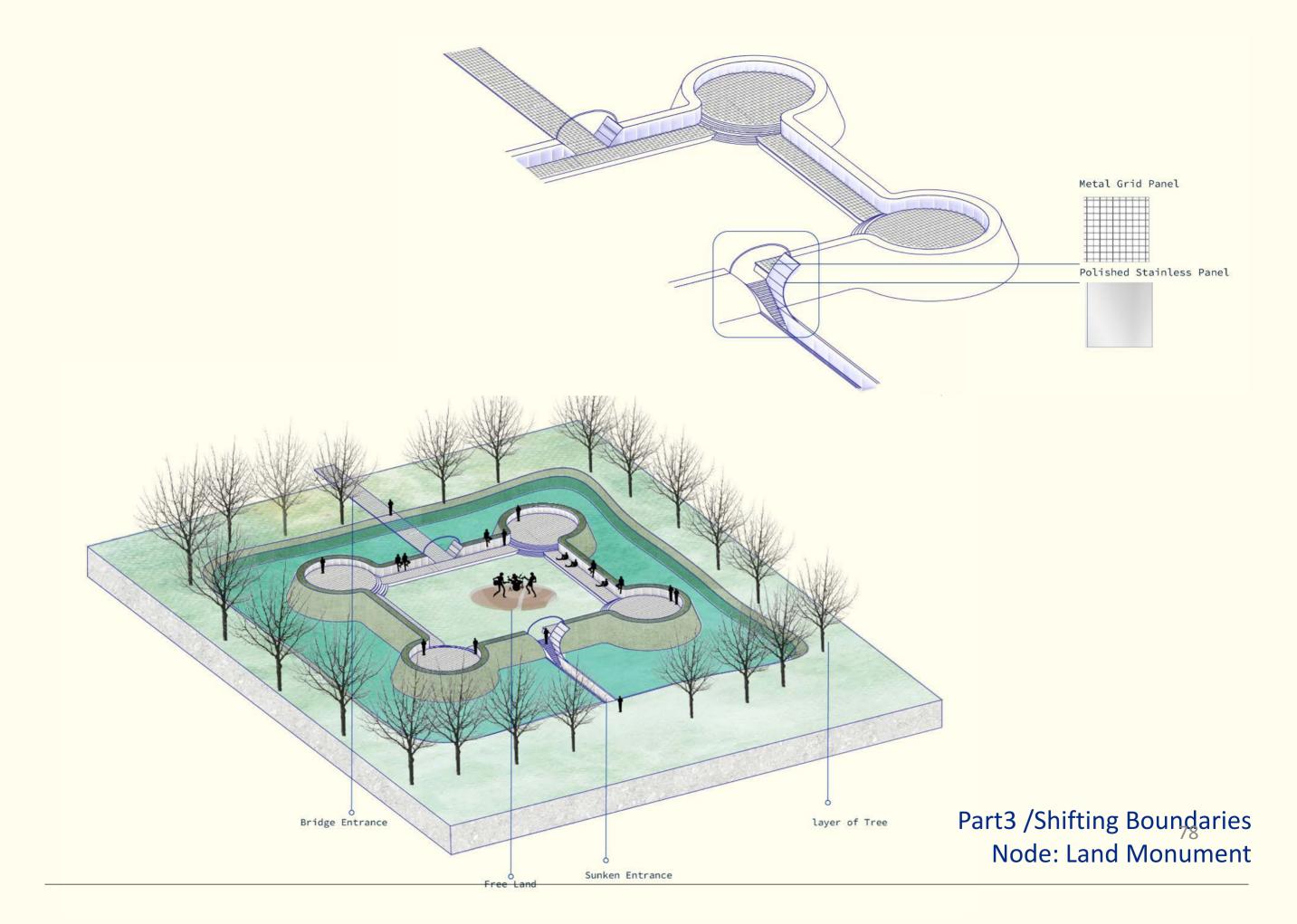
Part3 /Shifting Boundaries Master Plan







Part3 /Shifting Boundaries Node: Rosande Castle



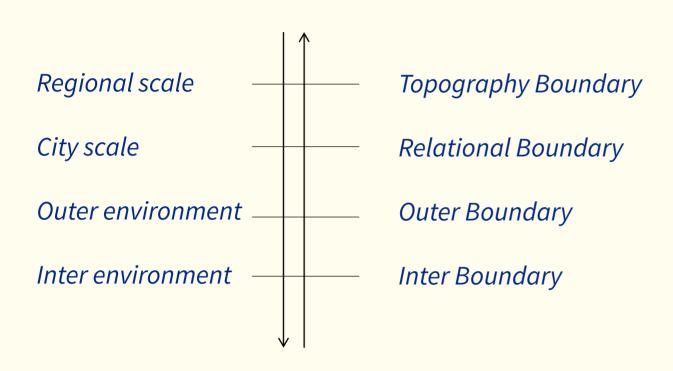


Boundaries Plan

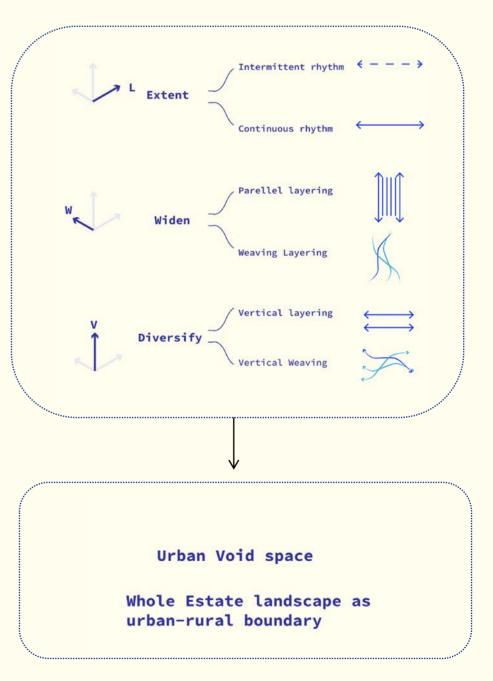
Slipbeek –water corridor

People Movements

#### Research - spatializing

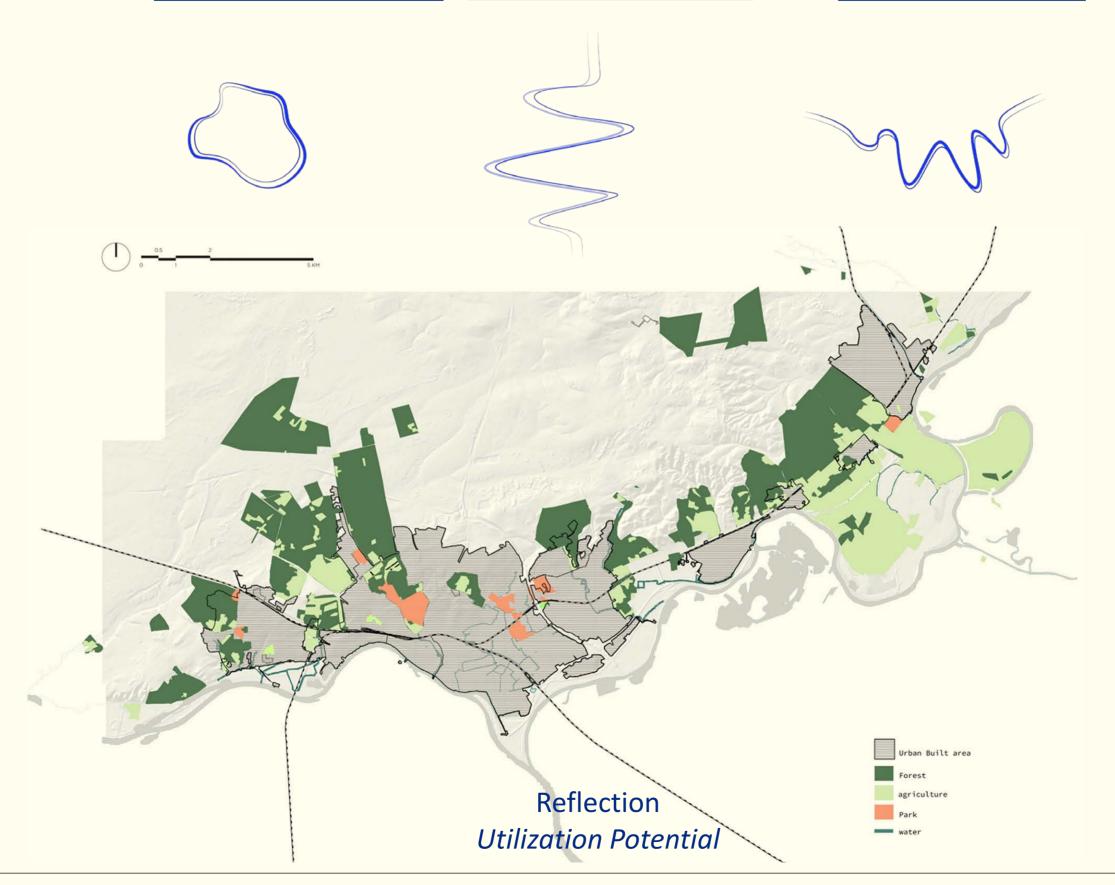


### **Design - Boundaries Approaches**



#### Mysterious Boundaries Permeable Boundaries

#### **Shifting Boundaries**







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