

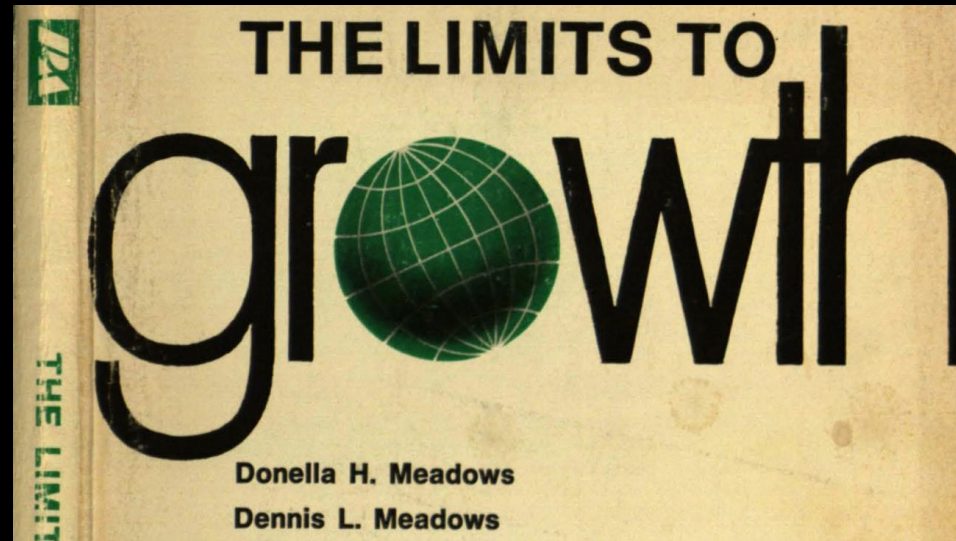
# URBAN FALLOWS

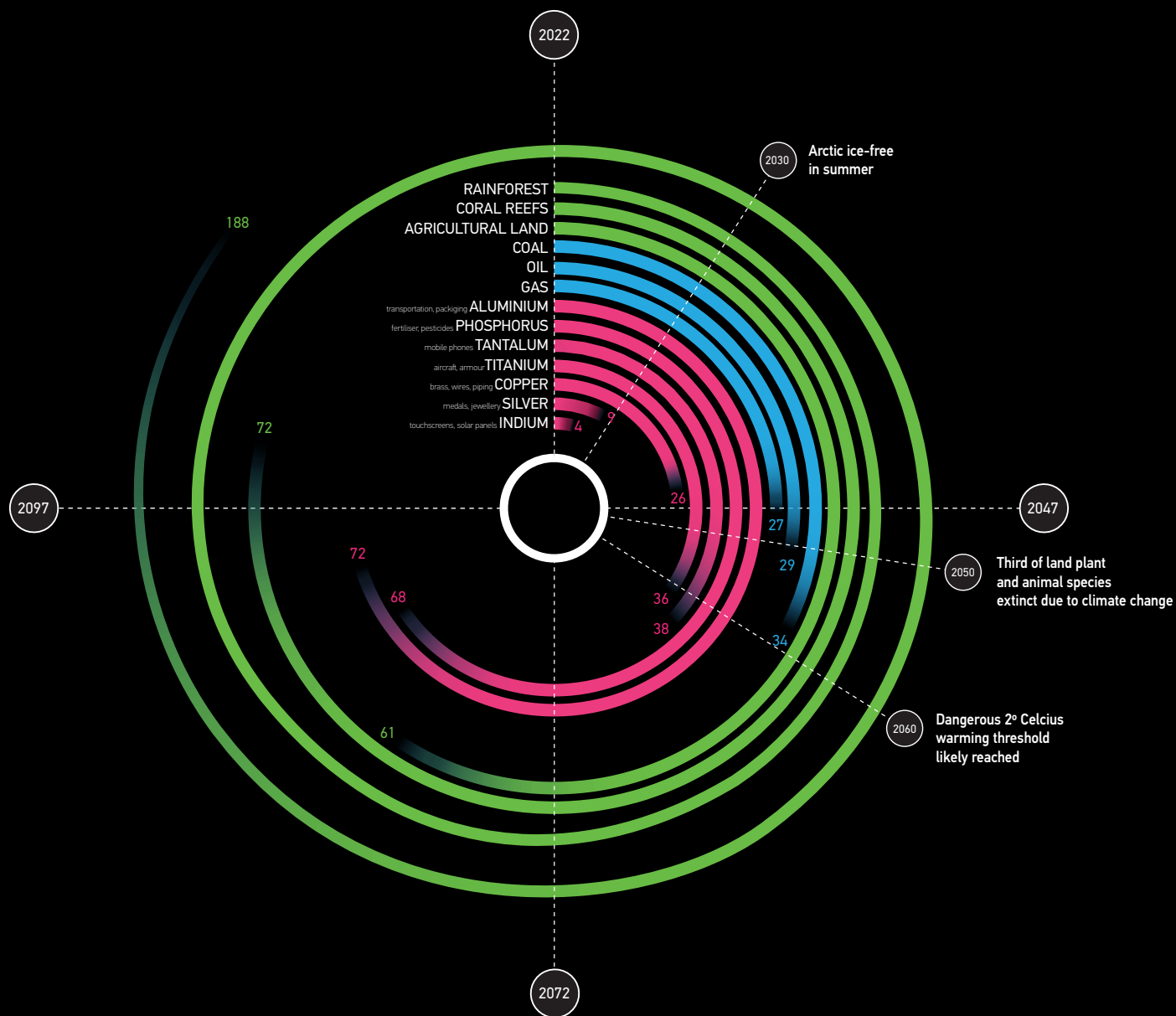
*architecture as a catalyst  
for regeneration of  
marginalised urban land*

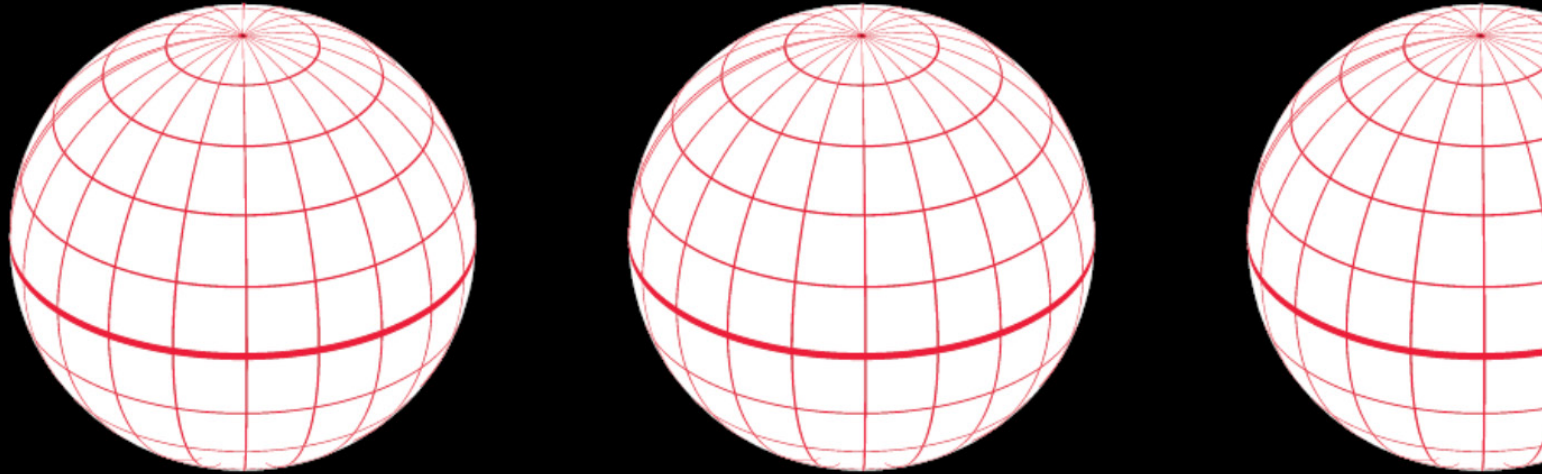
*Ventsislav Kartselin*











## 2.7 Earths

UK

/

EU





Urban fallows



**27% of total UK carbon emissions are from domestic buildings**

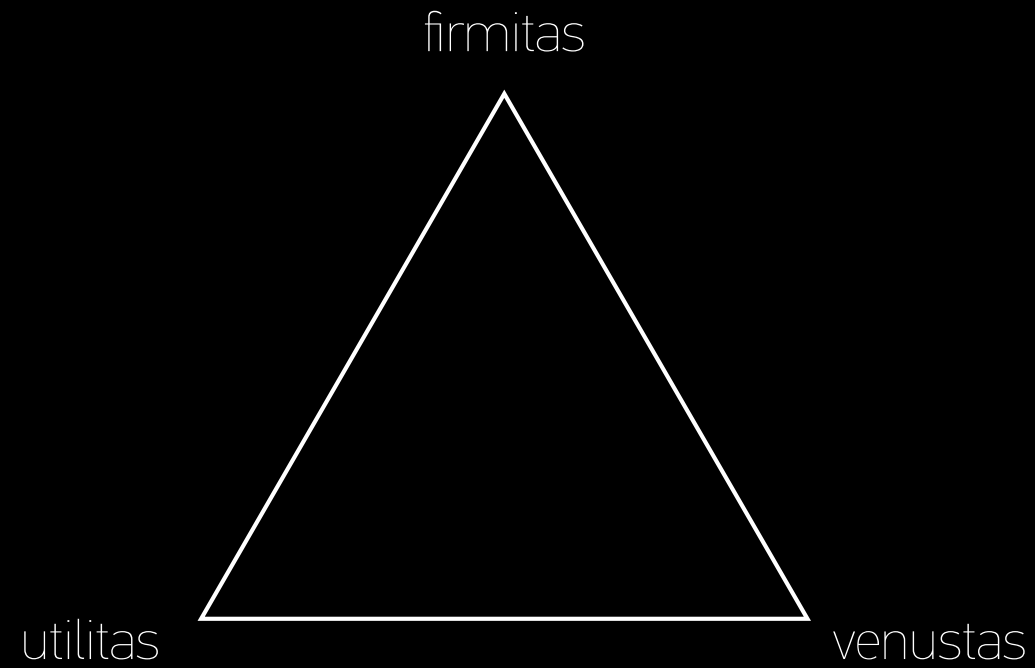
TechnologyStrategyBoard

**30% of carbon in the construction of housing is embodied**

Simon Sturgis, Targeting Zero  
(RIBA Publishing, 2019), <http://dx.doi.org/10.4324/9780429346484>.

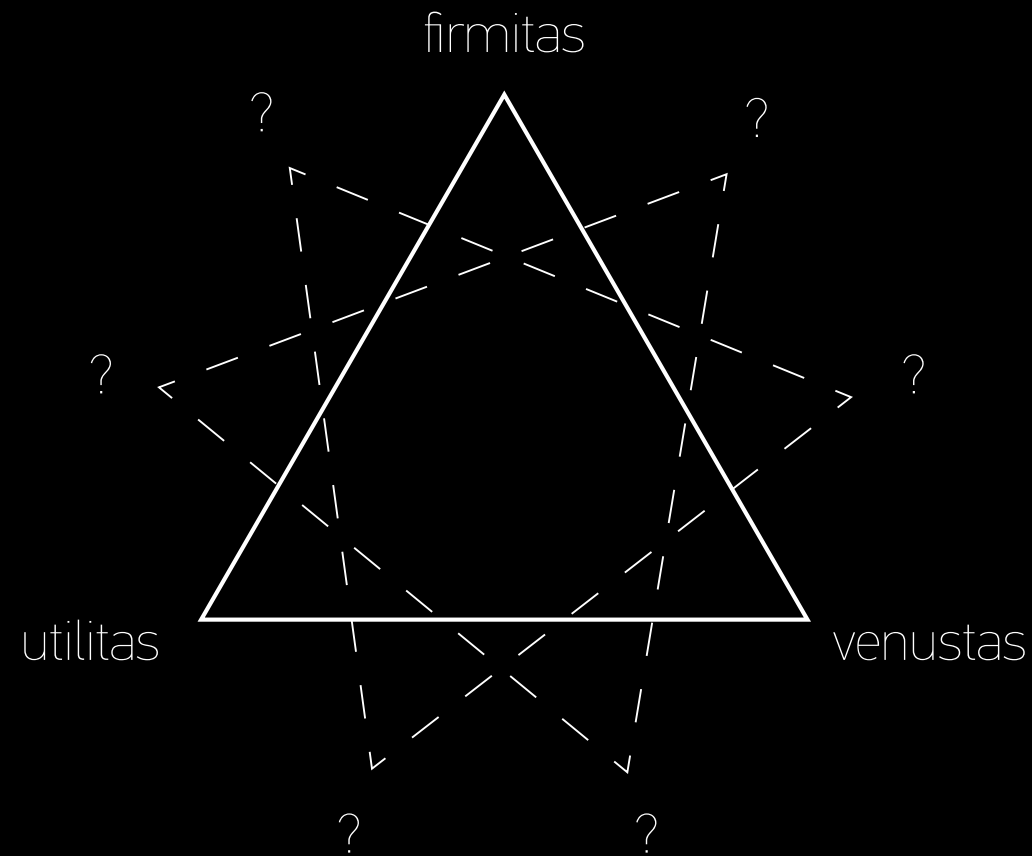
**59% of UK waste comes from the construction industry**

DEFRA, 2018



What is the role of the architect  
in the 21st century?



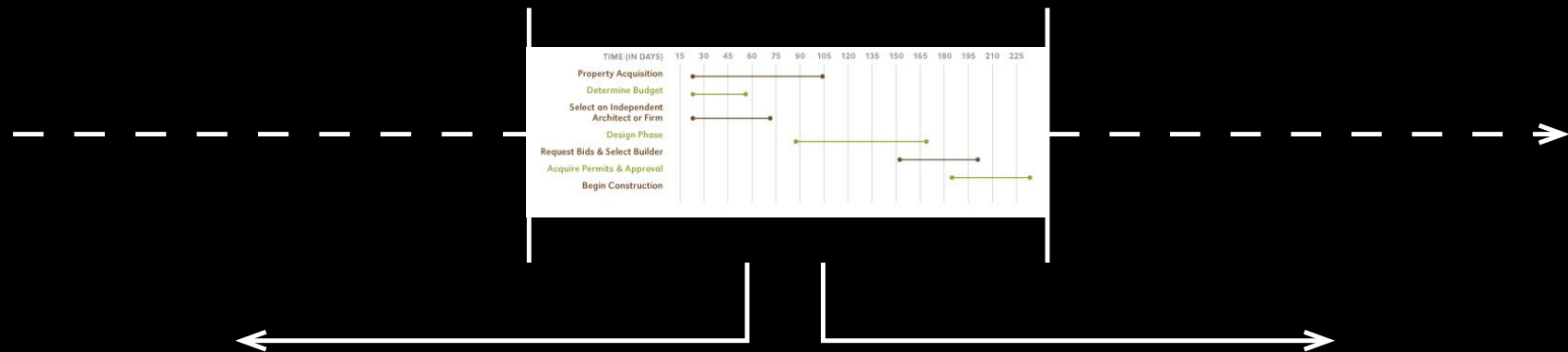


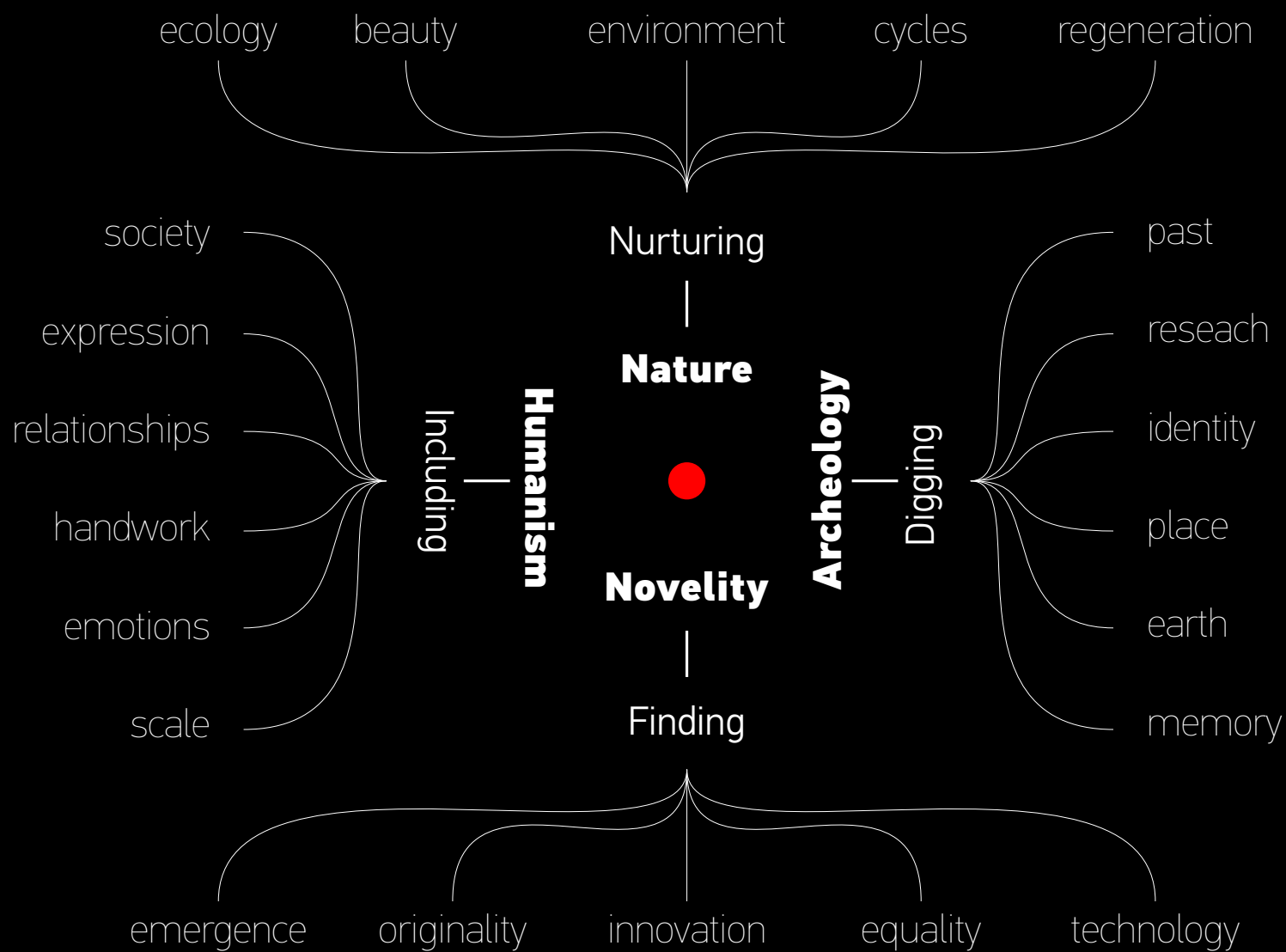
What is the role of the architect  
in the 21st century?

**take**

**make**

**dispose**

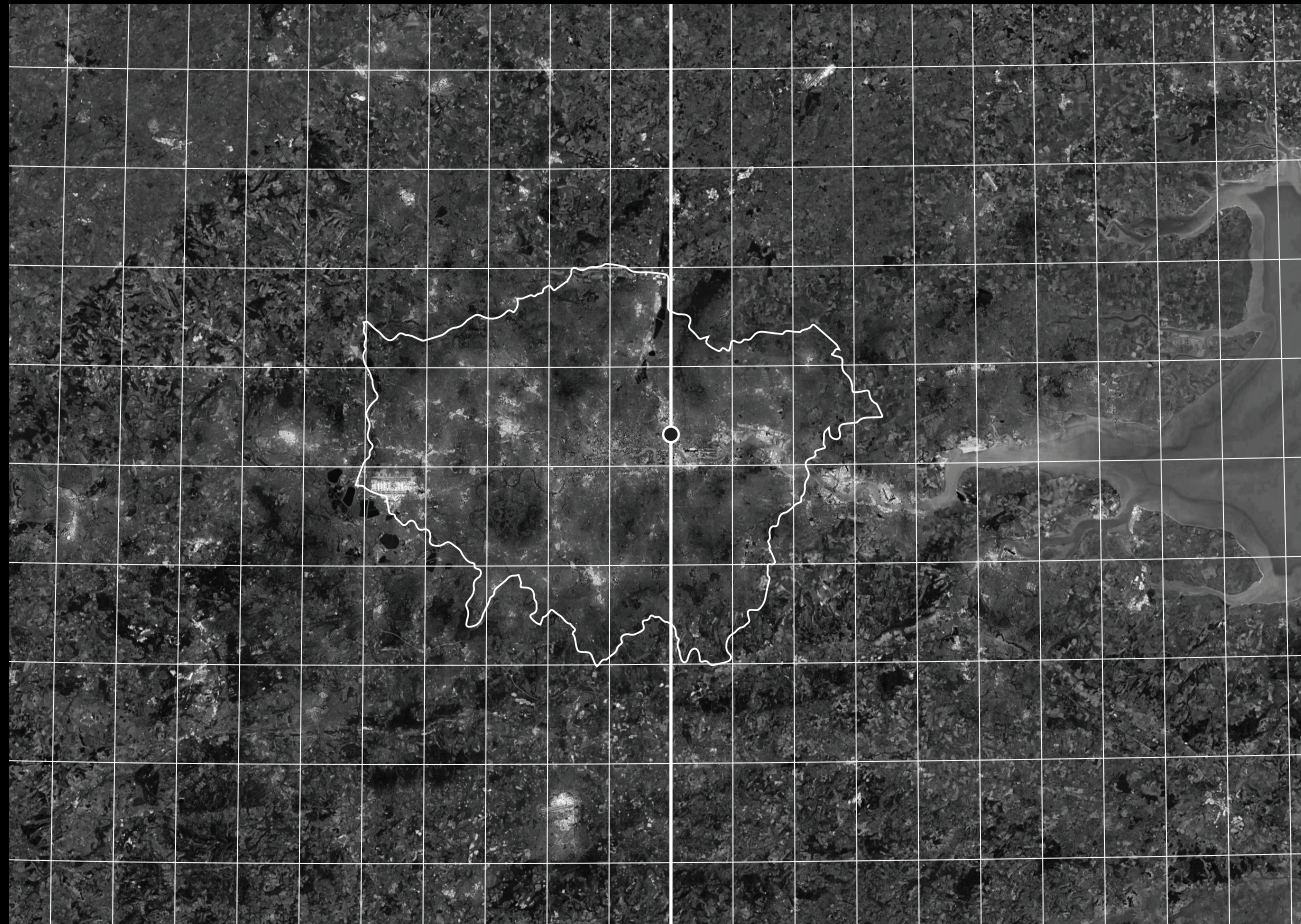




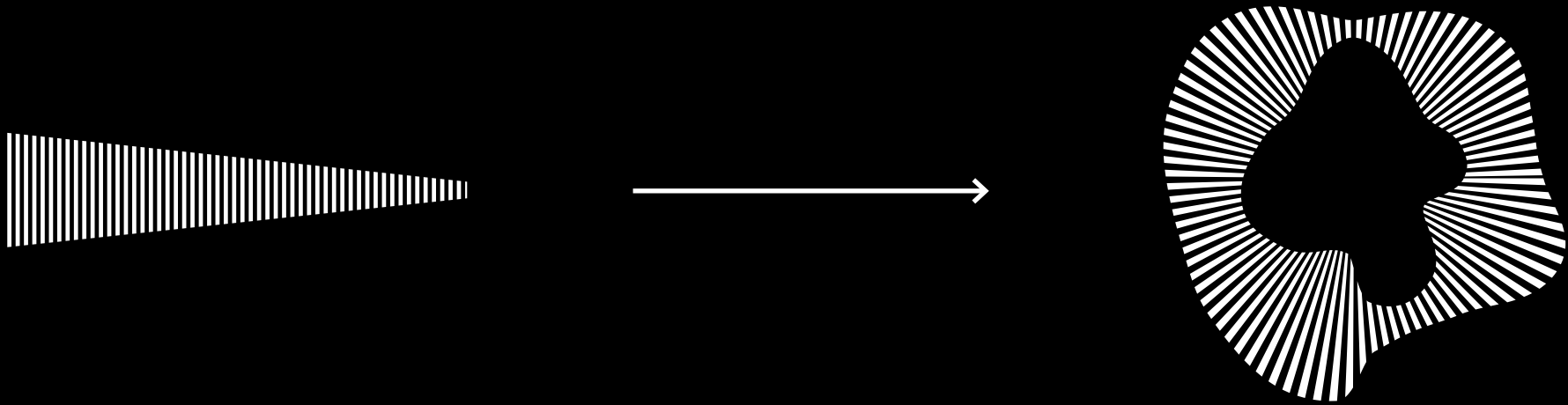


# Heterogenous city: London

Architectural Design Crossovers Graduation Studio

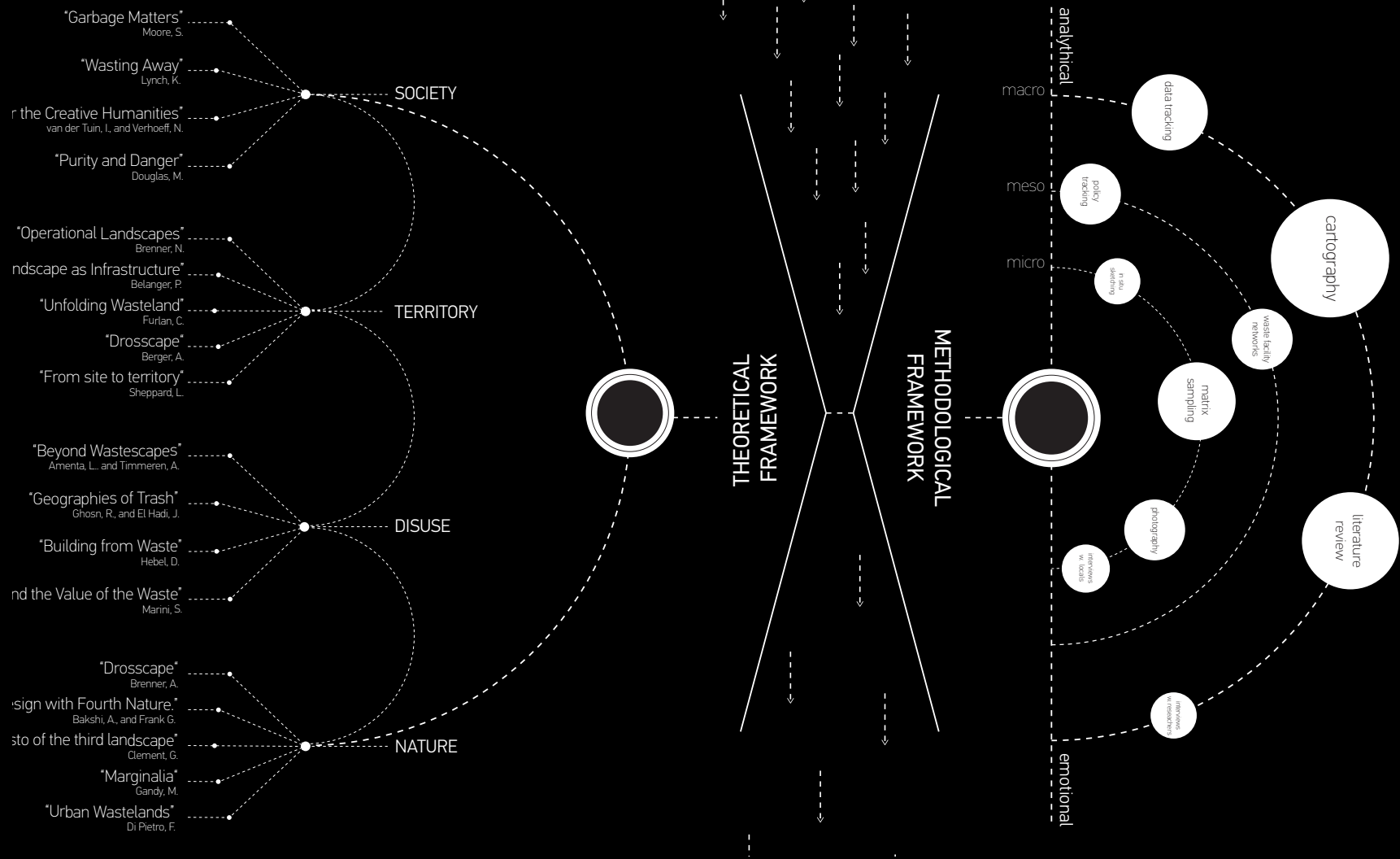


## From linear to ciclical thinking

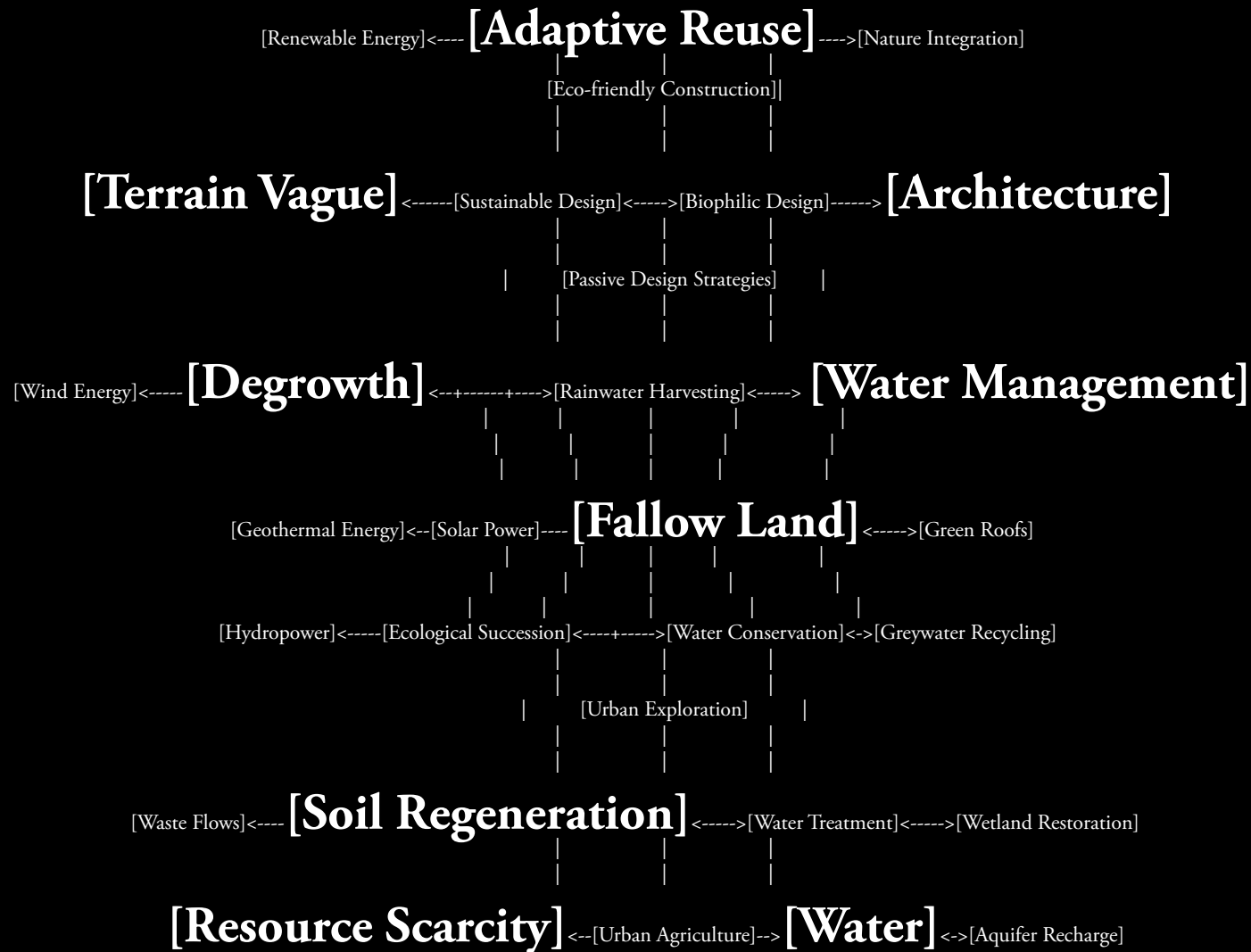


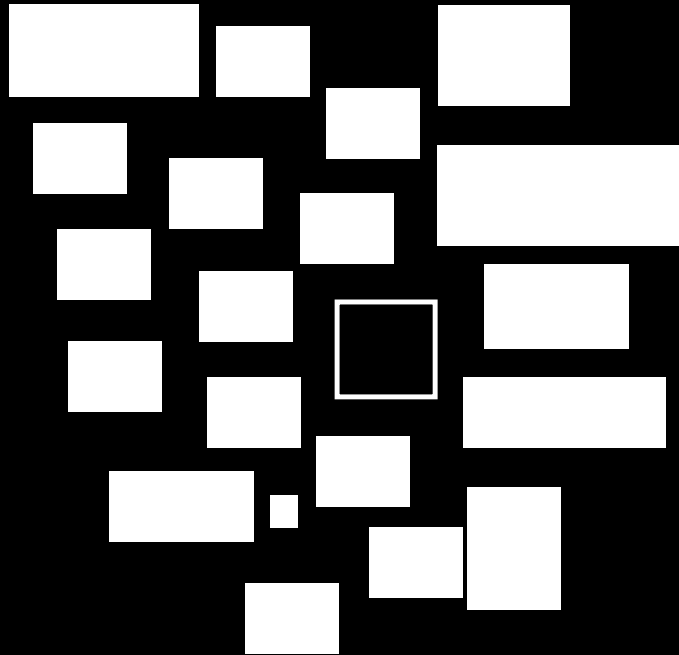
Urban fallows

cat

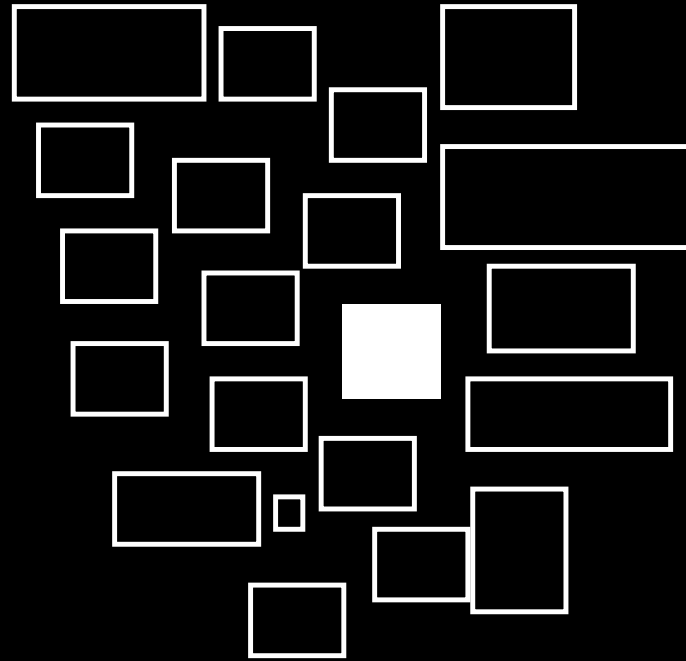






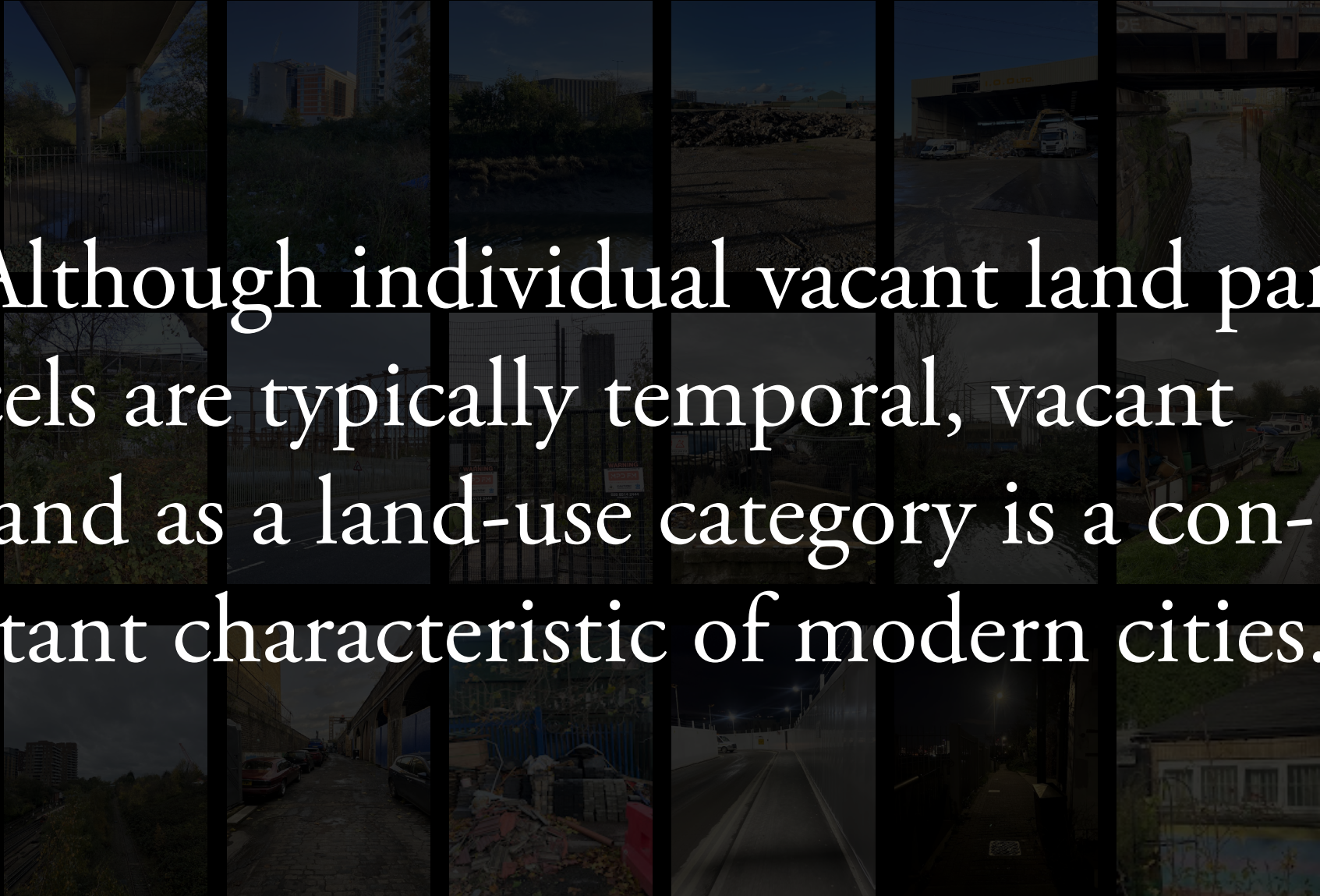


Urban fallows



Urban fallows

Although individual vacant land parcels are typically temporal, vacant land as a land-use category is a constant characteristic of modern cities.



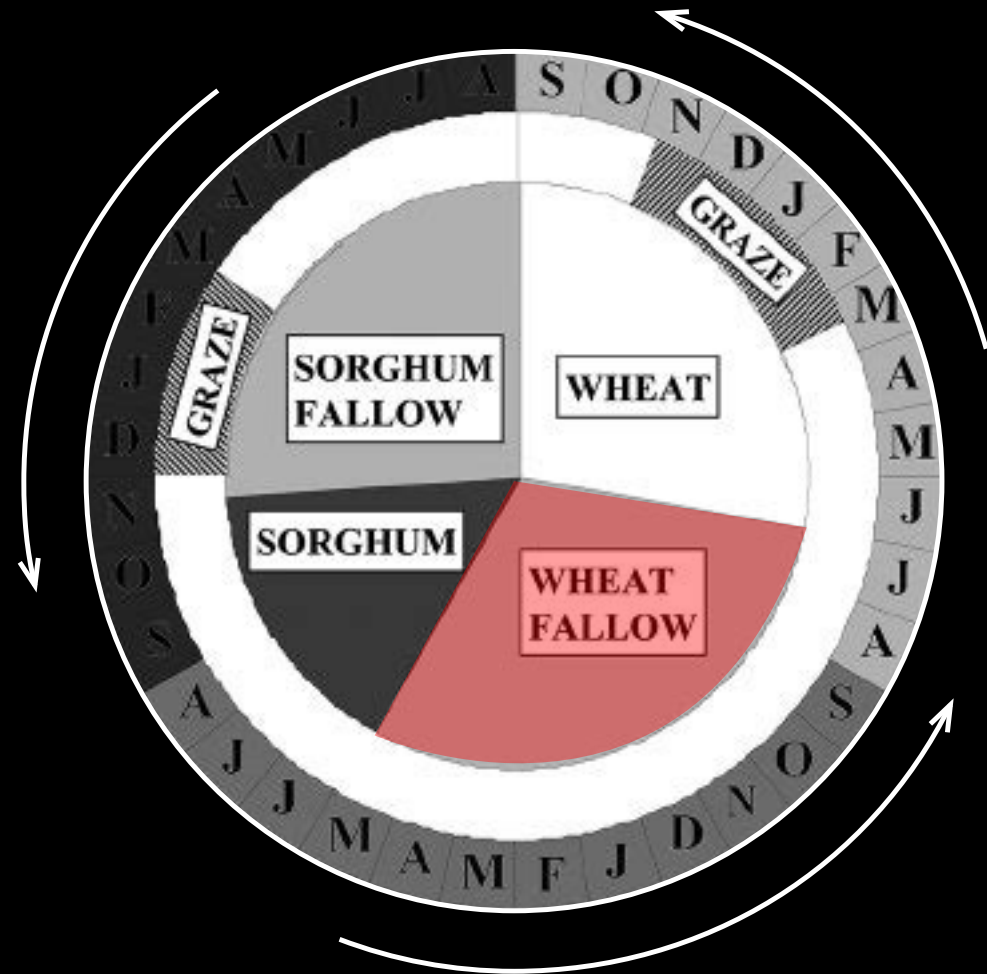
the fallows of London

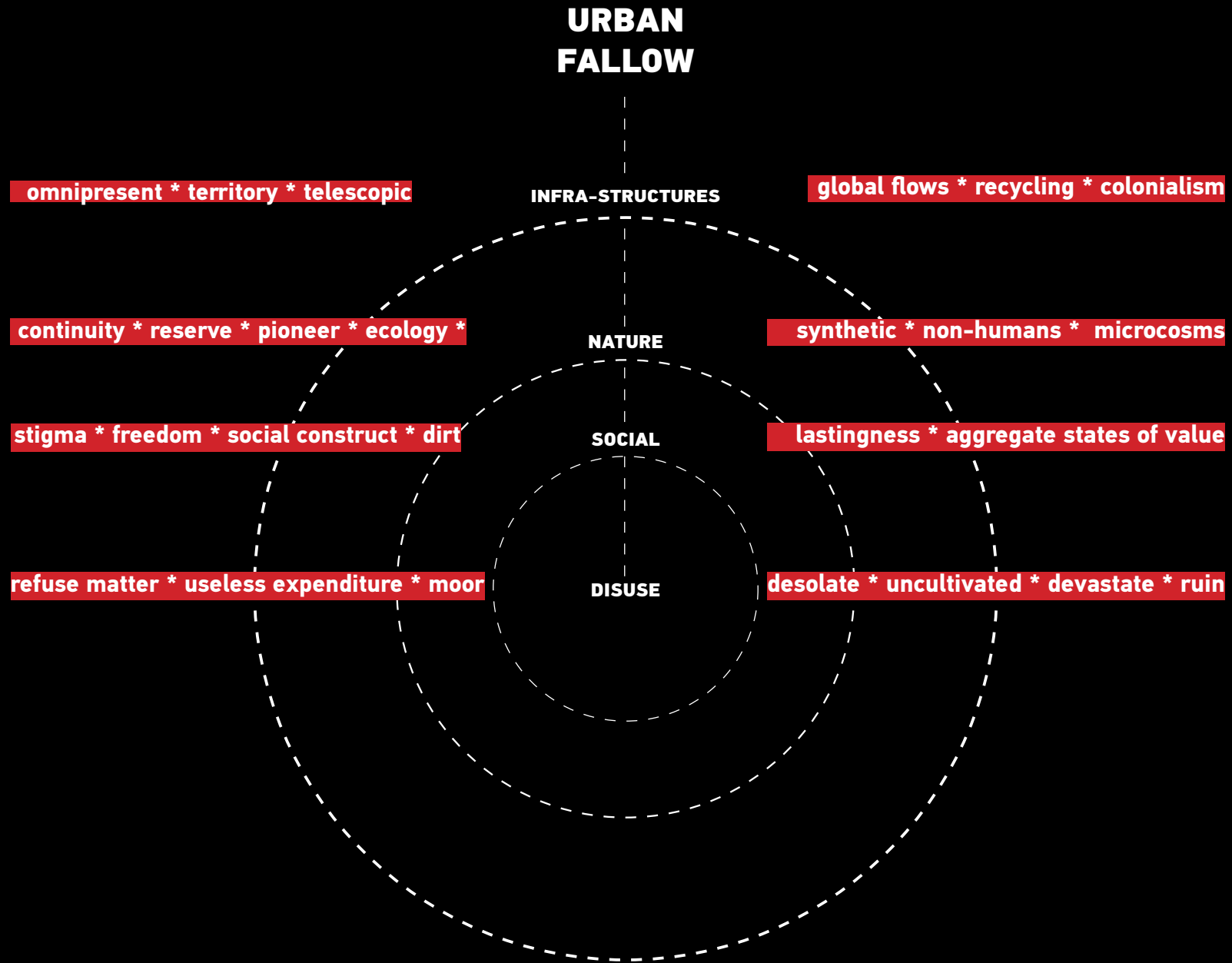


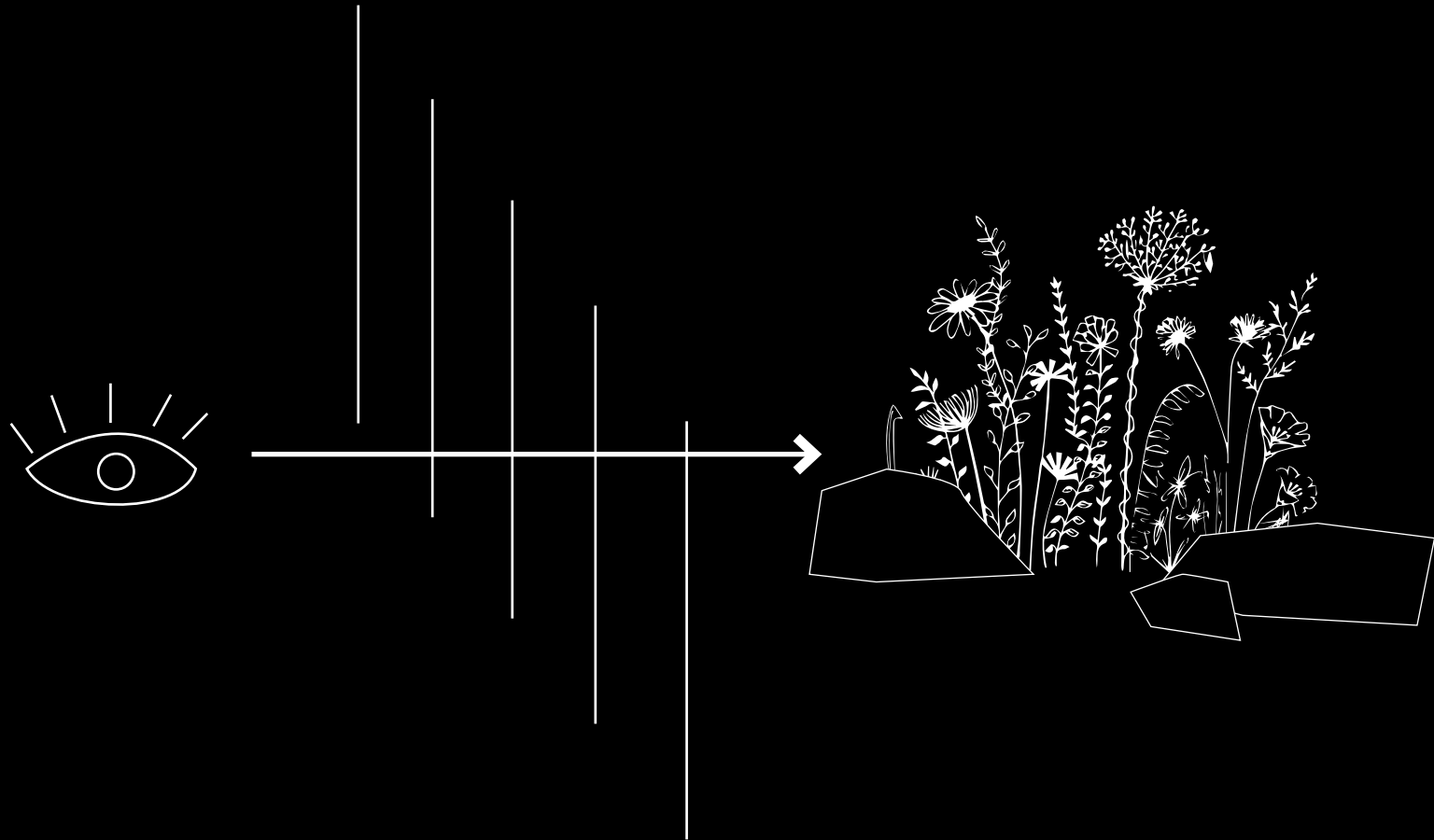


Fallow land is not planted with crops, in order to improve the quality of the soil

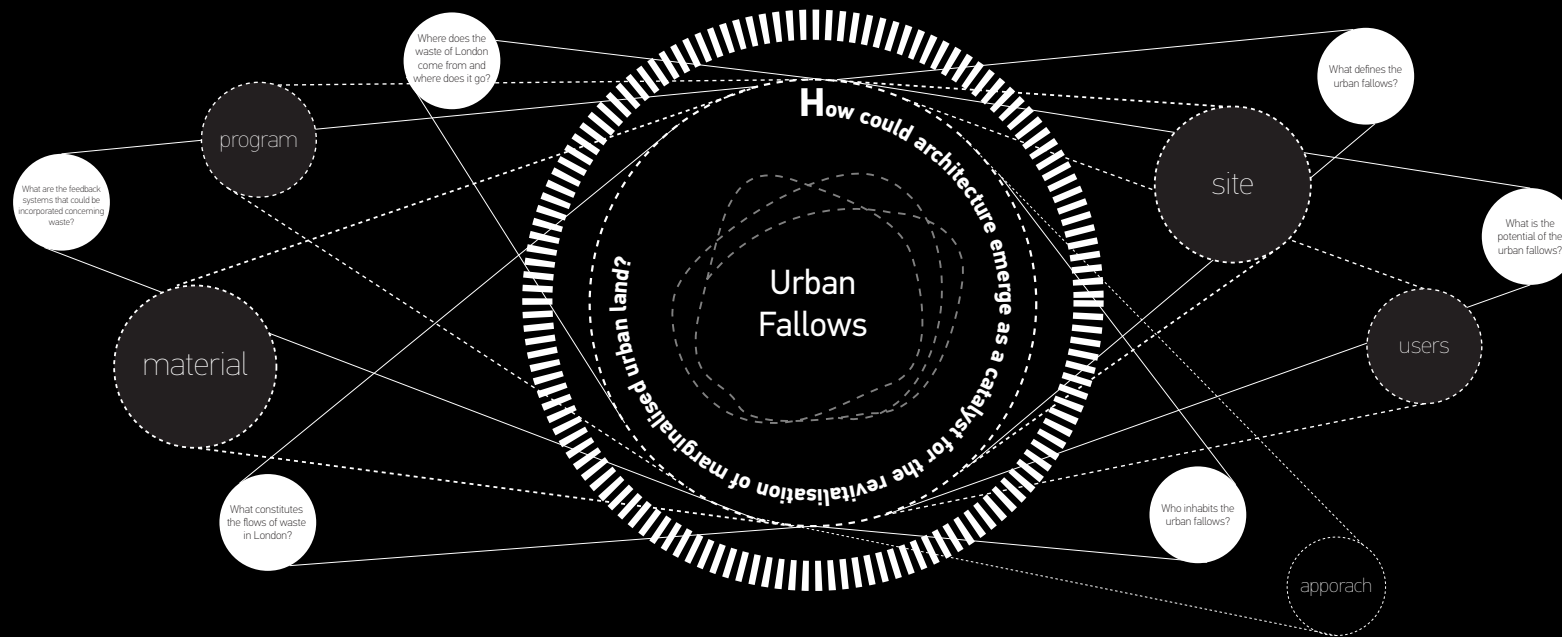
The process of fallowing is related to long-term resilience and sustainability in exchange for short-term sacrifices











How could architecture emerge as a catalyst of the urban fallows as a potential resource for the socially progressive and resilient future of the city?



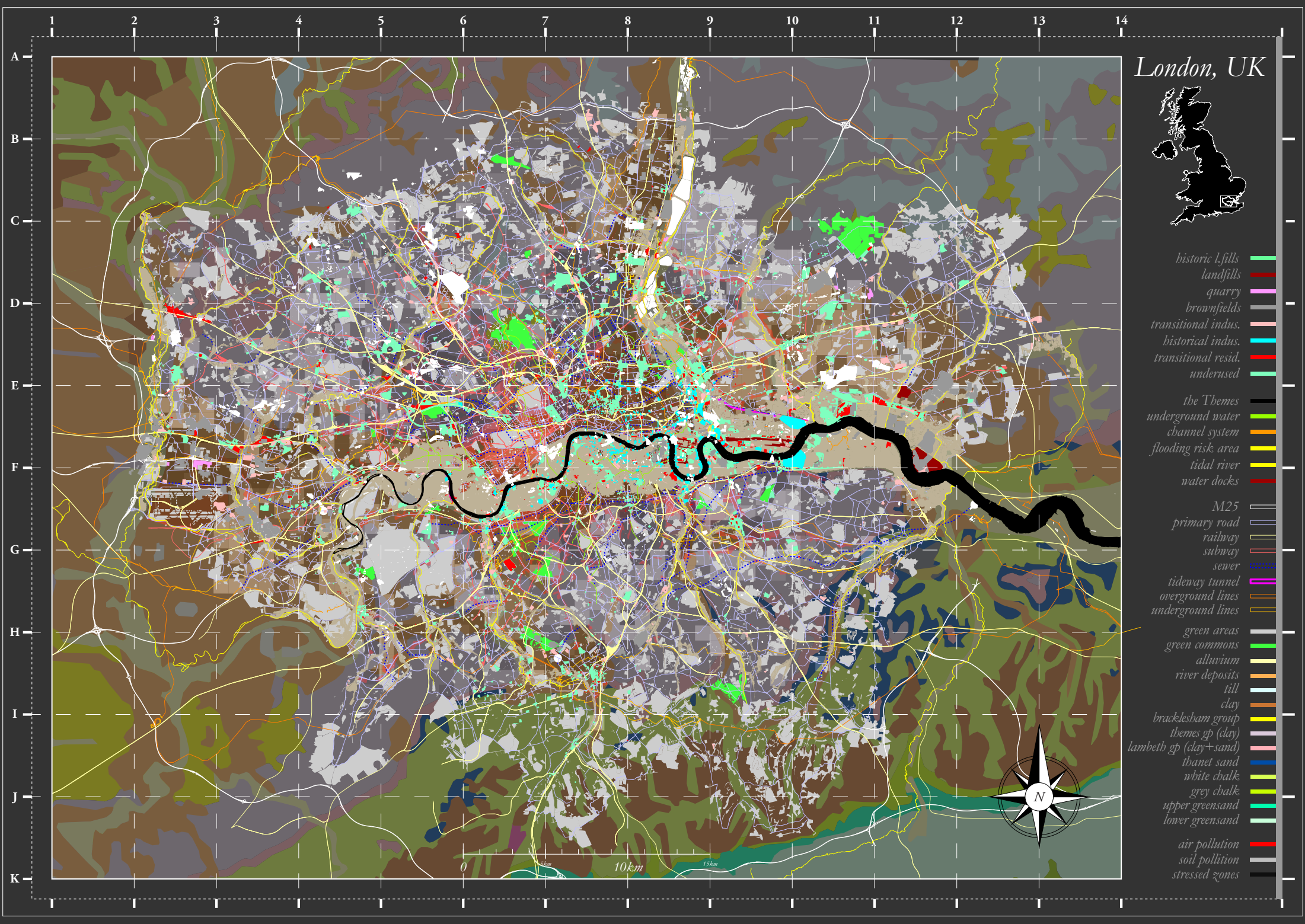
the fallows of London





Construction and real estate sector continues to see the land and the building as a commodity



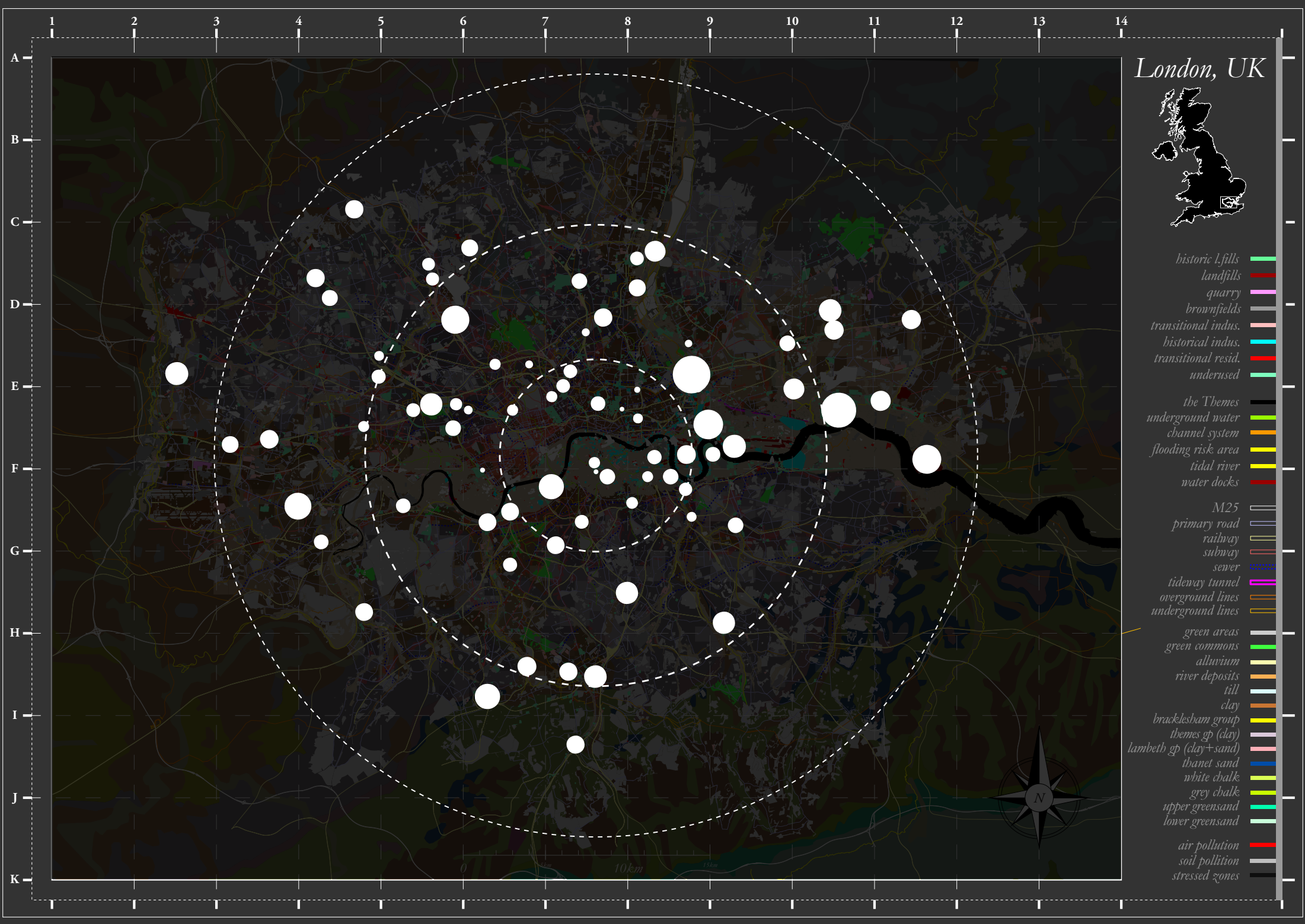


# London, UK

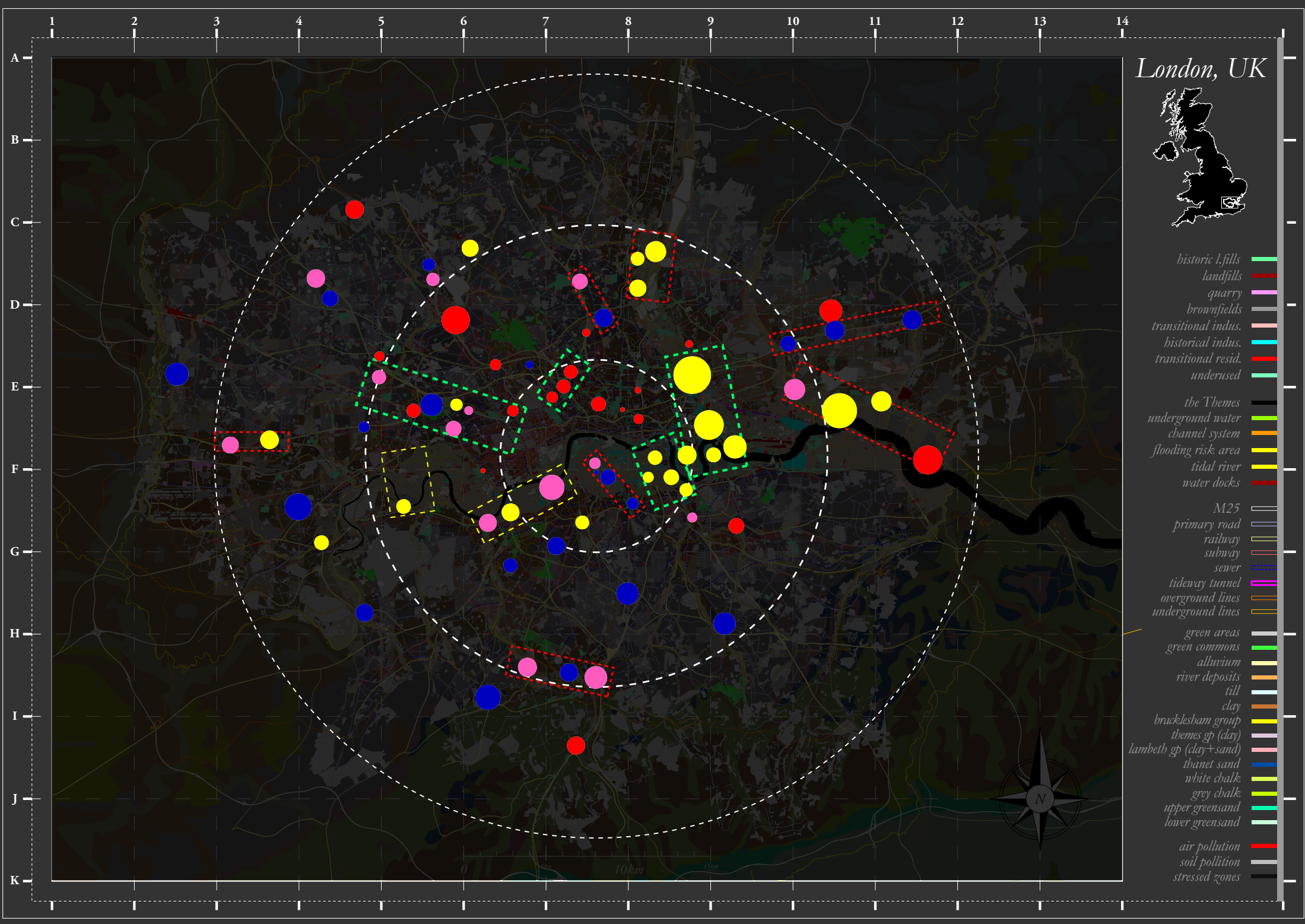


- historic l.fills
- landfills
- quarry
- brownfields
- transitional indus.
- historical indus.
- transitional resid.
- underused
- the Themes
- underground water
- channel system
- flooding risk area
- tidal river
- water docks
- M25
- primary road
- railway
- subway
- sewer
- tideway tunnel
- overground lines
- underground lines
- green areas
- green commons
- alluvium
- river deposits
- till
- clay
- bracklesham group
- themes gp (clay)
- lambeth gp (clay+sand)
- thamet sand
- white chalk
- grey chalk
- upper greensand
- lower greensand
- air pollution
- soil pollution
- stressed zones











Tower Hamlets

scale	+	+	o	o	o
bio richness	+	+	o	o	o
attractivness	o	o	o	o	o
social dynamics	+	+	+	o	o
material base	+	+	+	o	o
infra. connection	+	+	+	+	+



Tower Hamlets

scale	+	+	o	o	o
bio richness	+	+	+	o	o
attractivness	+	+	+	o	o
social dynamics	+	+	o	o	o
material base	+	+	o	o	o
infra. connection	+	+	+	o	o



Newham

scale	+	+	+	+	o
bio richness	+	+	o	o	o
attractivness	+	o	o	o	o
social dynamics	+	+	+	+	o
material base	+	+	+	+	+
infra. connection	+	+	+	+	o



Tower Hamlets

scale	+	o	o	o	o
bio richness	+	+	o	o	o
attractivness	o	o	o	o	o
social dynamics	+	+	o	o	o
material base	+	+	+	o	o
infra. connection	+	+	o	o	o



Hackney

scale	+	+	o	o	o
bio richness	+	o	o	o	o
attractivness	+	+	o	o	o
social dynamics	+	+	+	o	o
material base	+	+	o	o	o
infra. connection	+	+	+	+	o



Newham

scale	+	+	+	o	o
bio richness	+	o	o	o	o
attractivness	+	o	o	o	o
social dynamics	+	o	o	o	o
material base	+	+	+	o	o
infra. connection	+	+	+	+	o



Newham

scale	+	+	o	o	o
bio richness	+	o	o	o	o
attractivness	+	o	o	o	o
social dynamics	+	+	+	o	o
material base	+	+	o	o	o
infra. connection	+	+	+	+	+



Brent

scale	+	o	o	o	o
bio richness	+	+	o	o	o
attractivness	+	+	o	o	o
social dynamics	+	+	o	o	o
material base	+	+	+	+	o
infra. connection	+	+	+	o	o

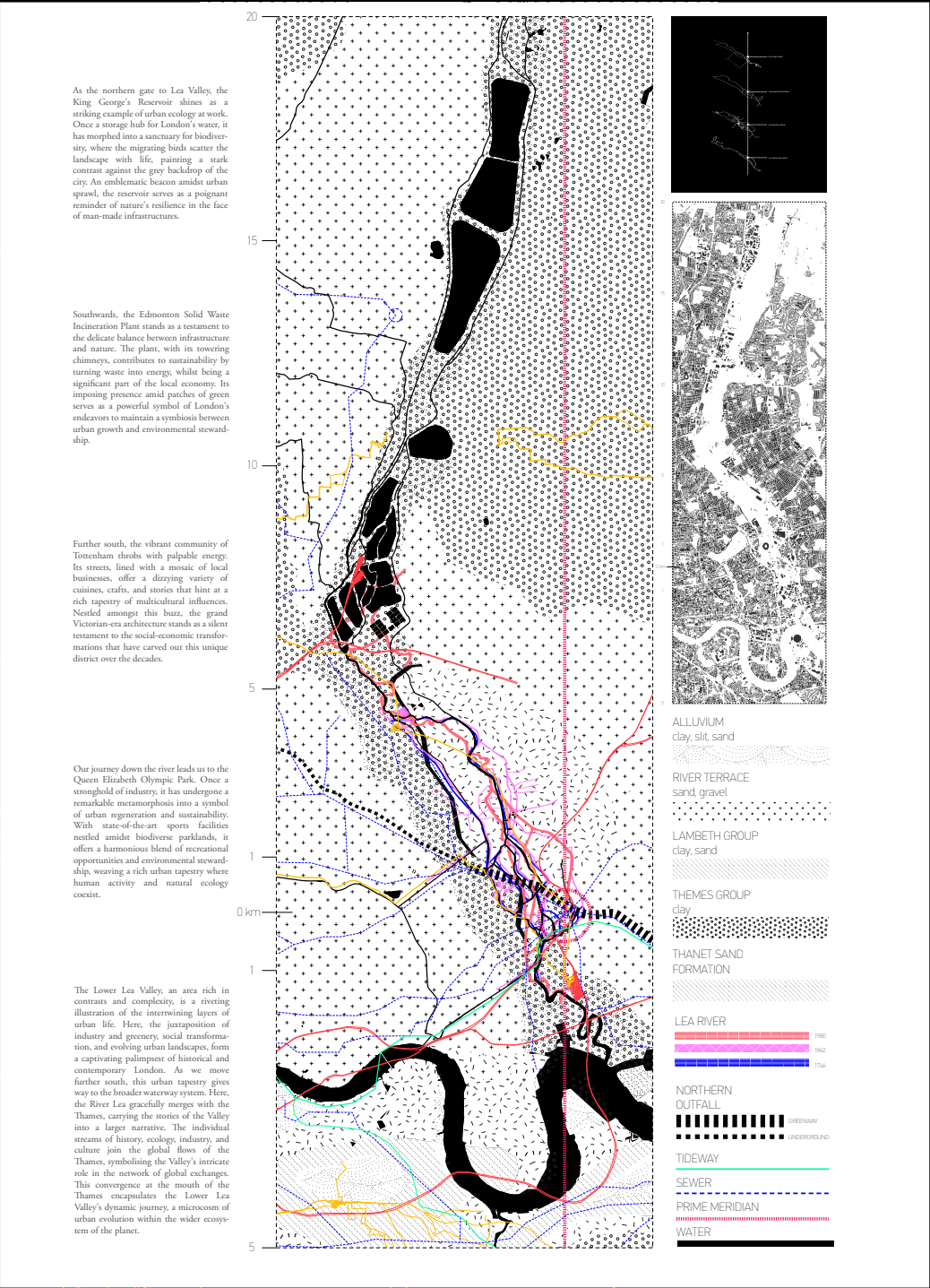




Urban fallows



the site / Lea Valley / Mill Meadows

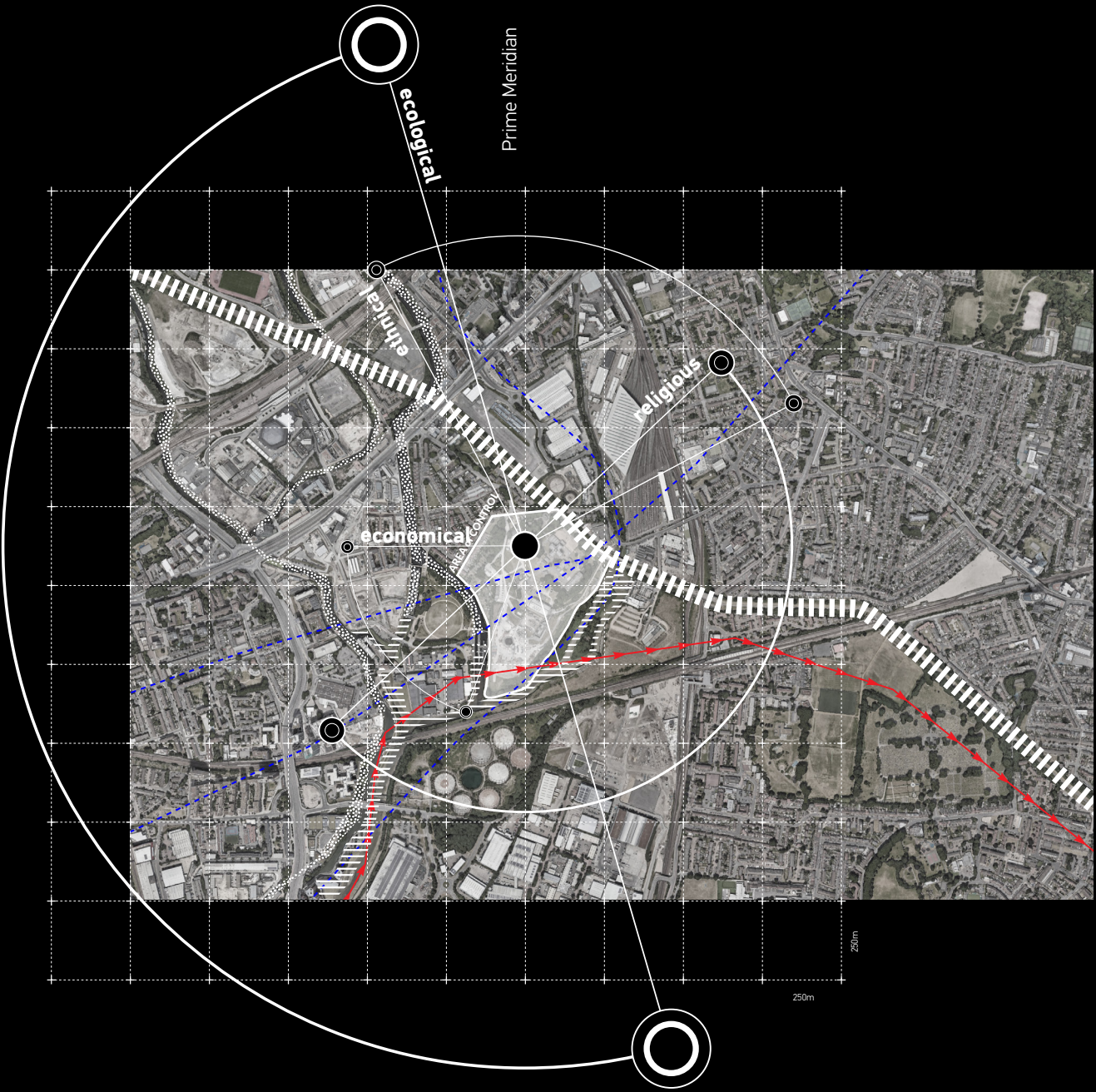


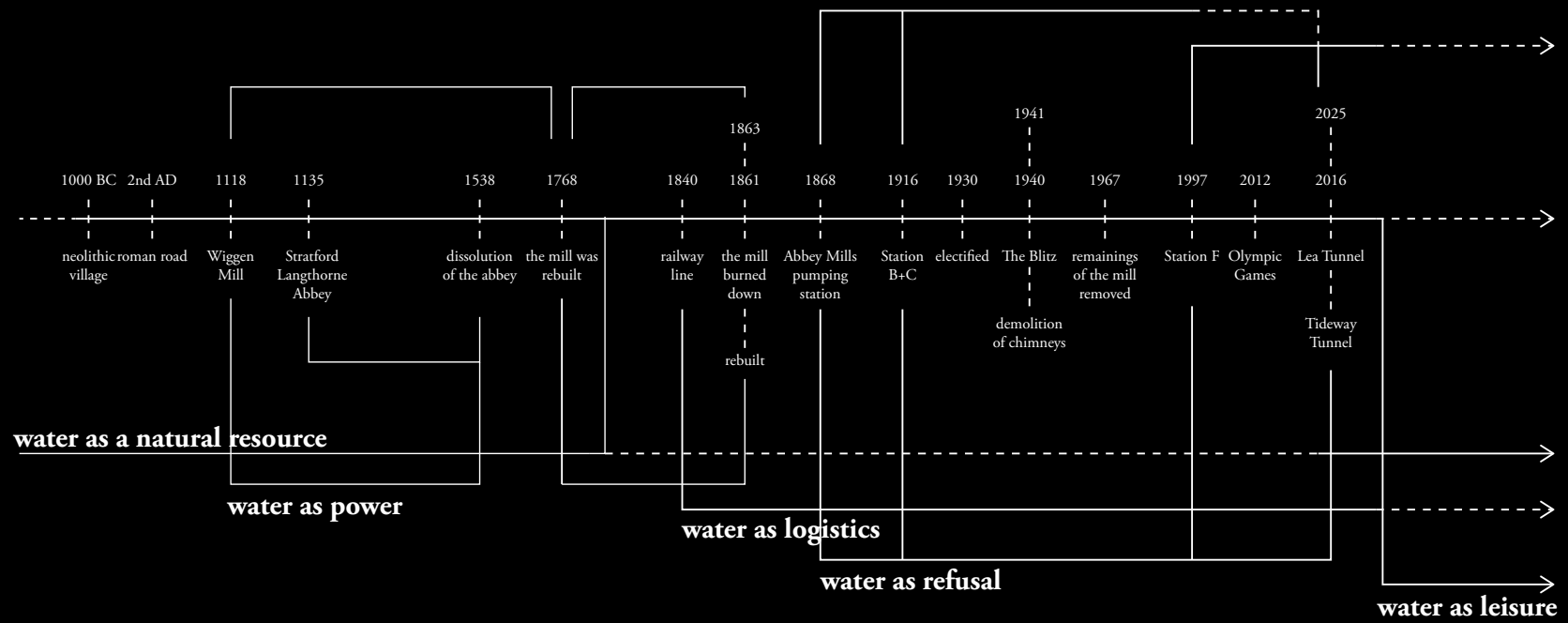
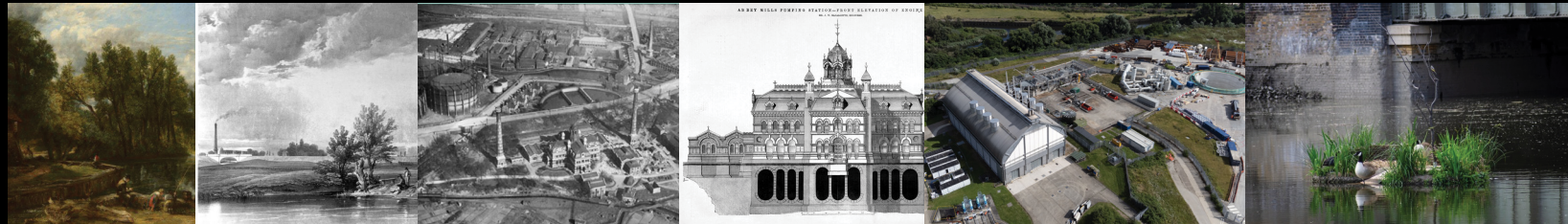




Urban fallows







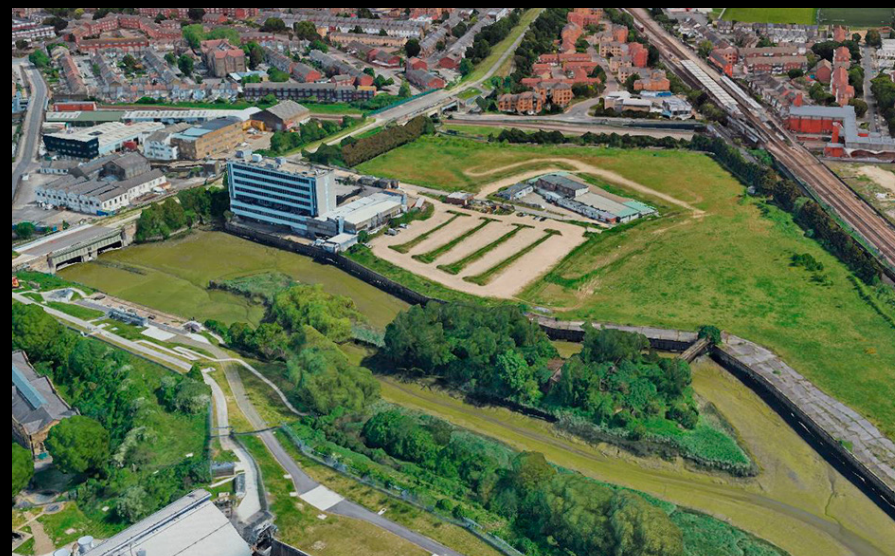




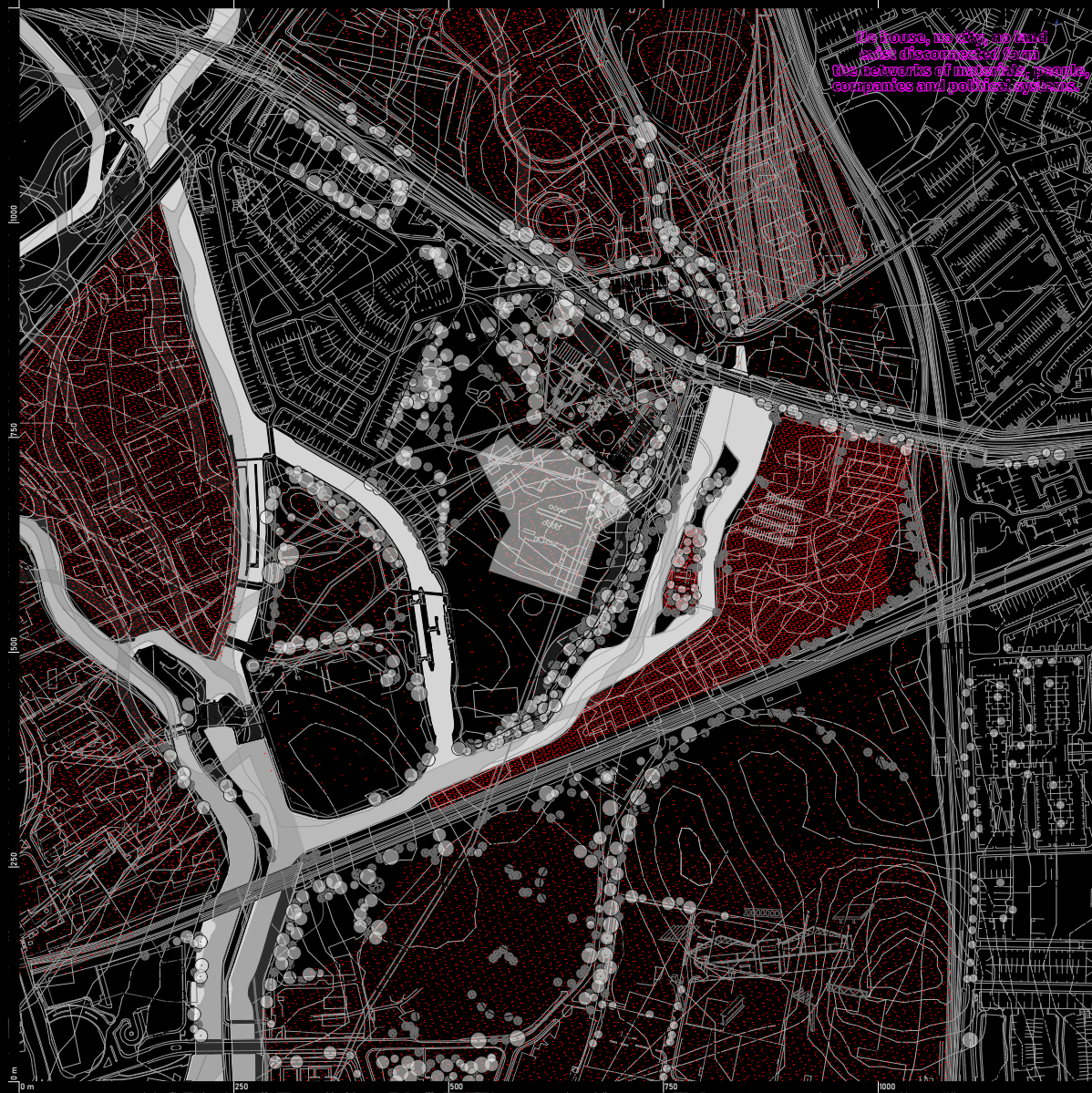
1923



2023

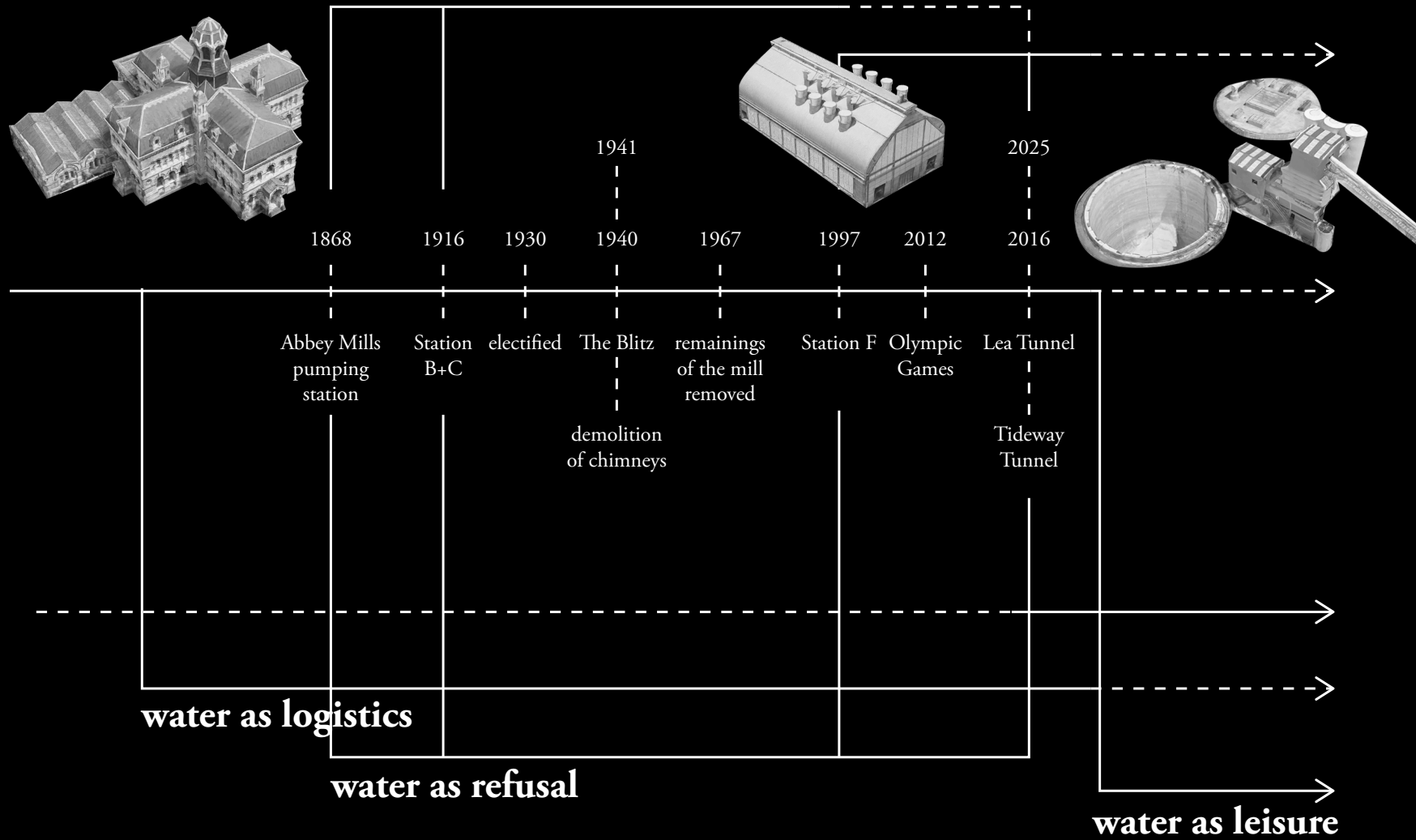










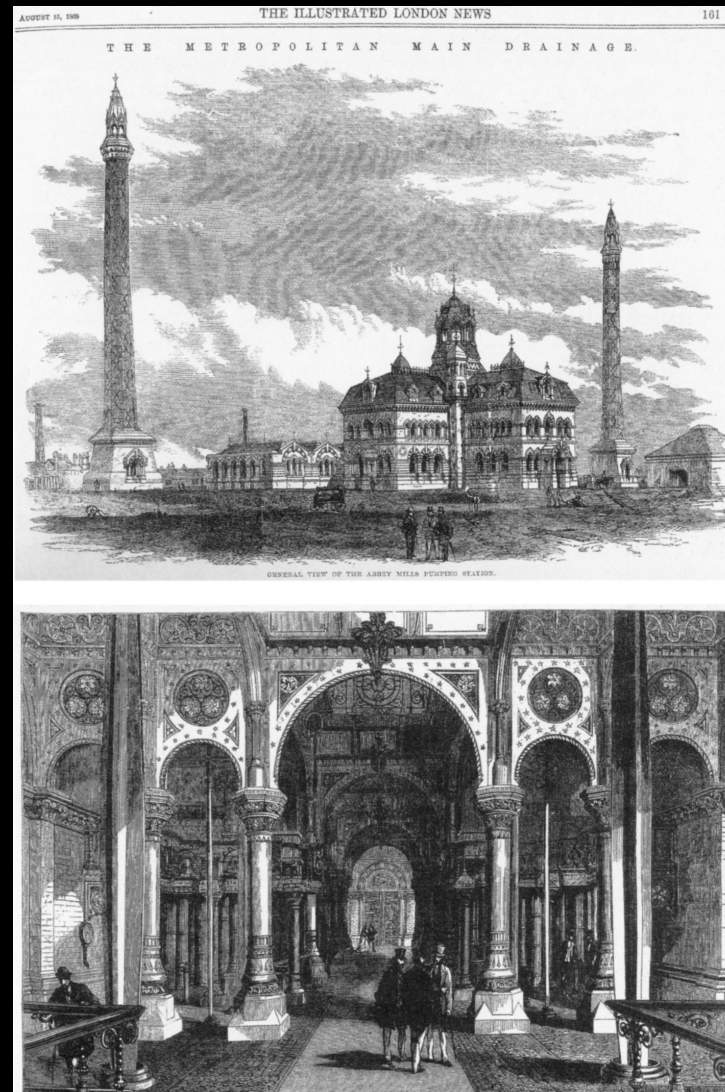




The Great Stink  
1858

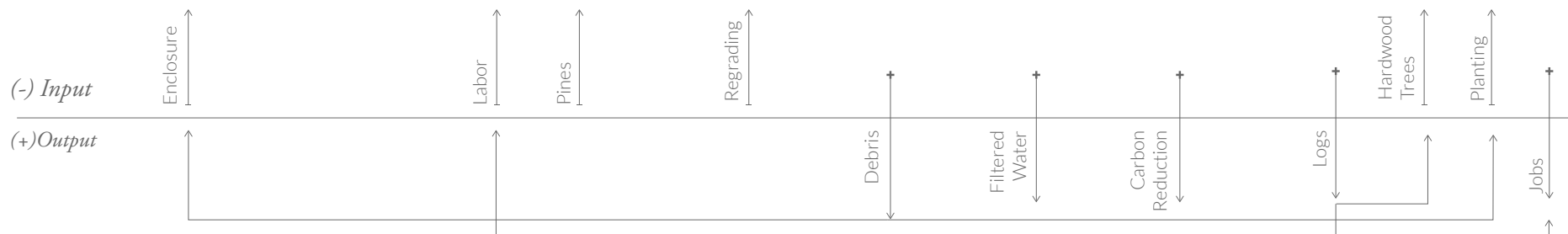
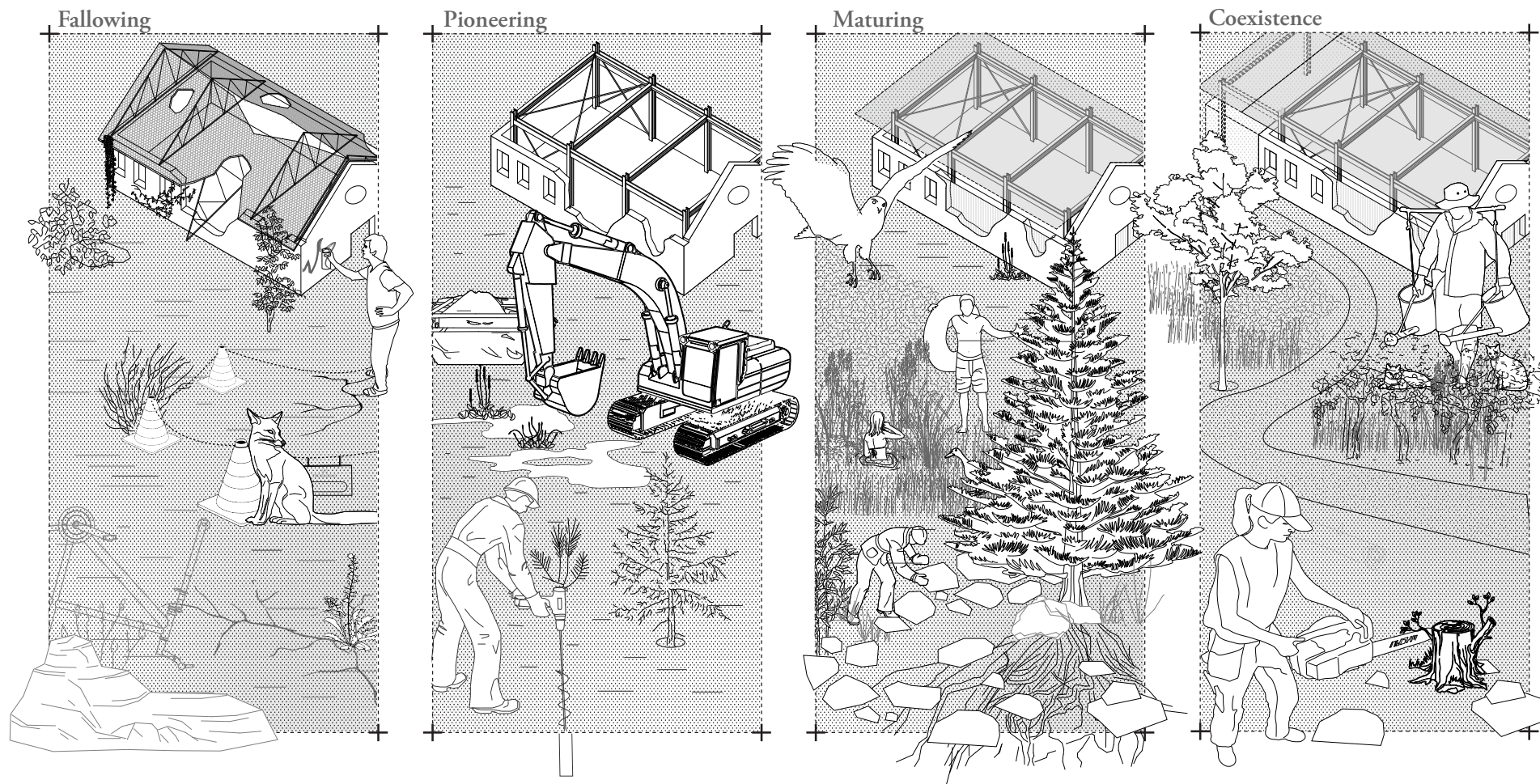


Plan for preventing the pollution of the water of the Thames  
1834

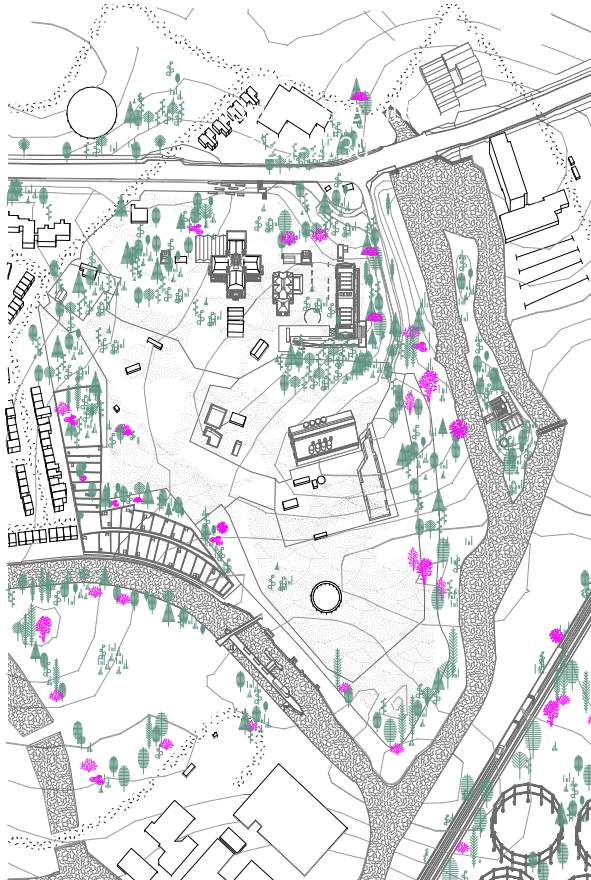


Abbey Mills pumping station, “The cathedral of sewage”  
1865

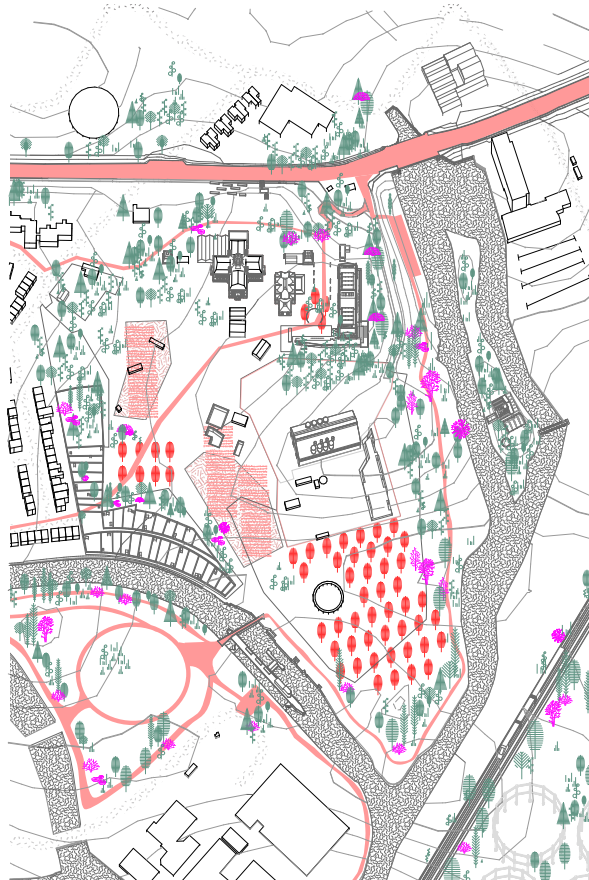




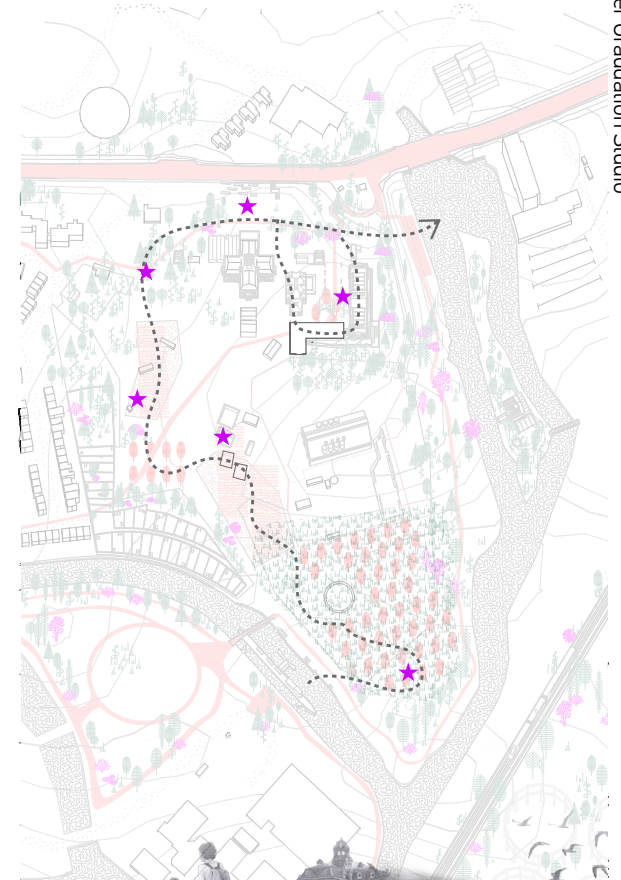
Phase 1  
Understanding the site



Phase 2  
Embracing the urban fallow



Phase 2  
Embracing the urban fallow

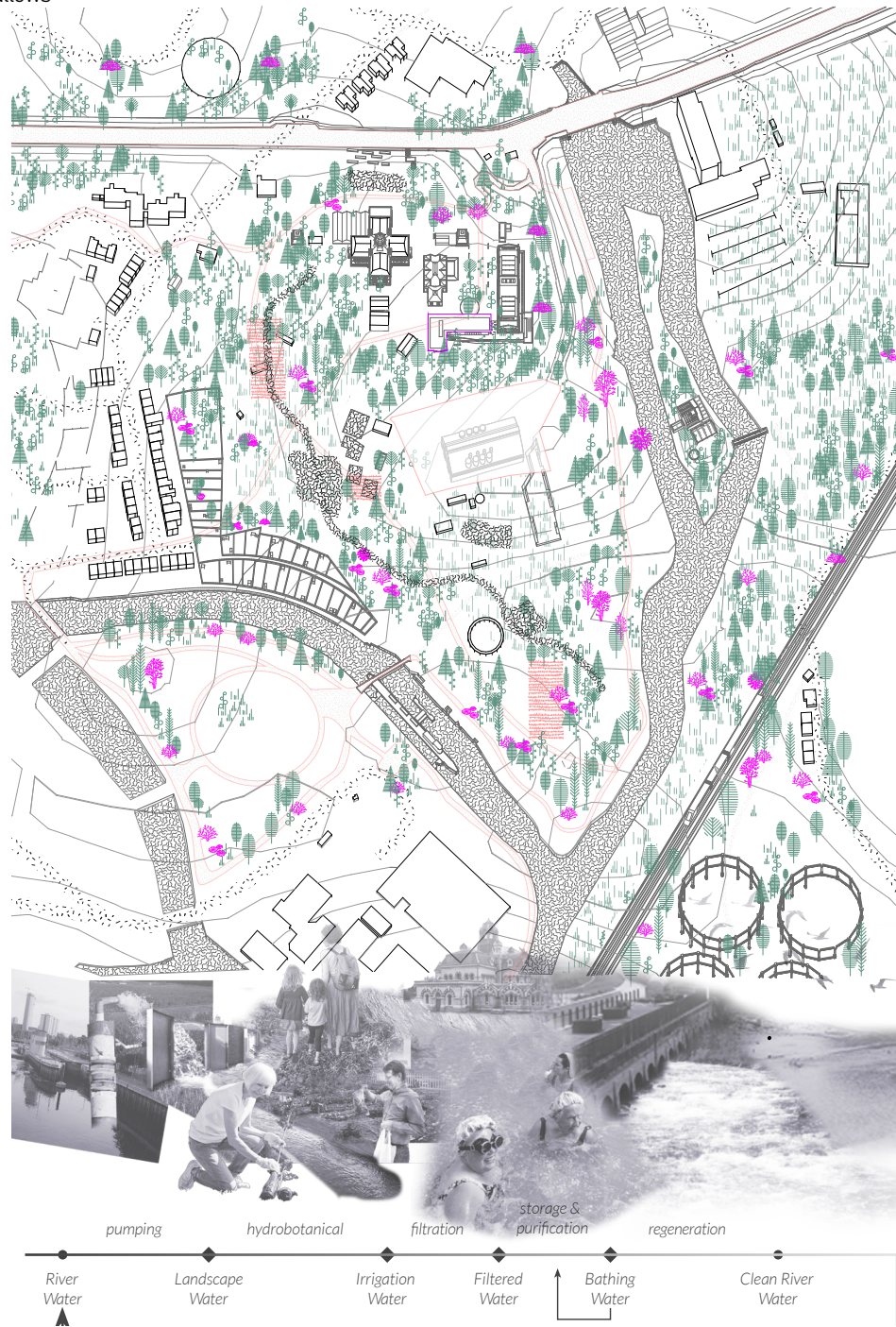




## Phase 4 Resilient adaptation



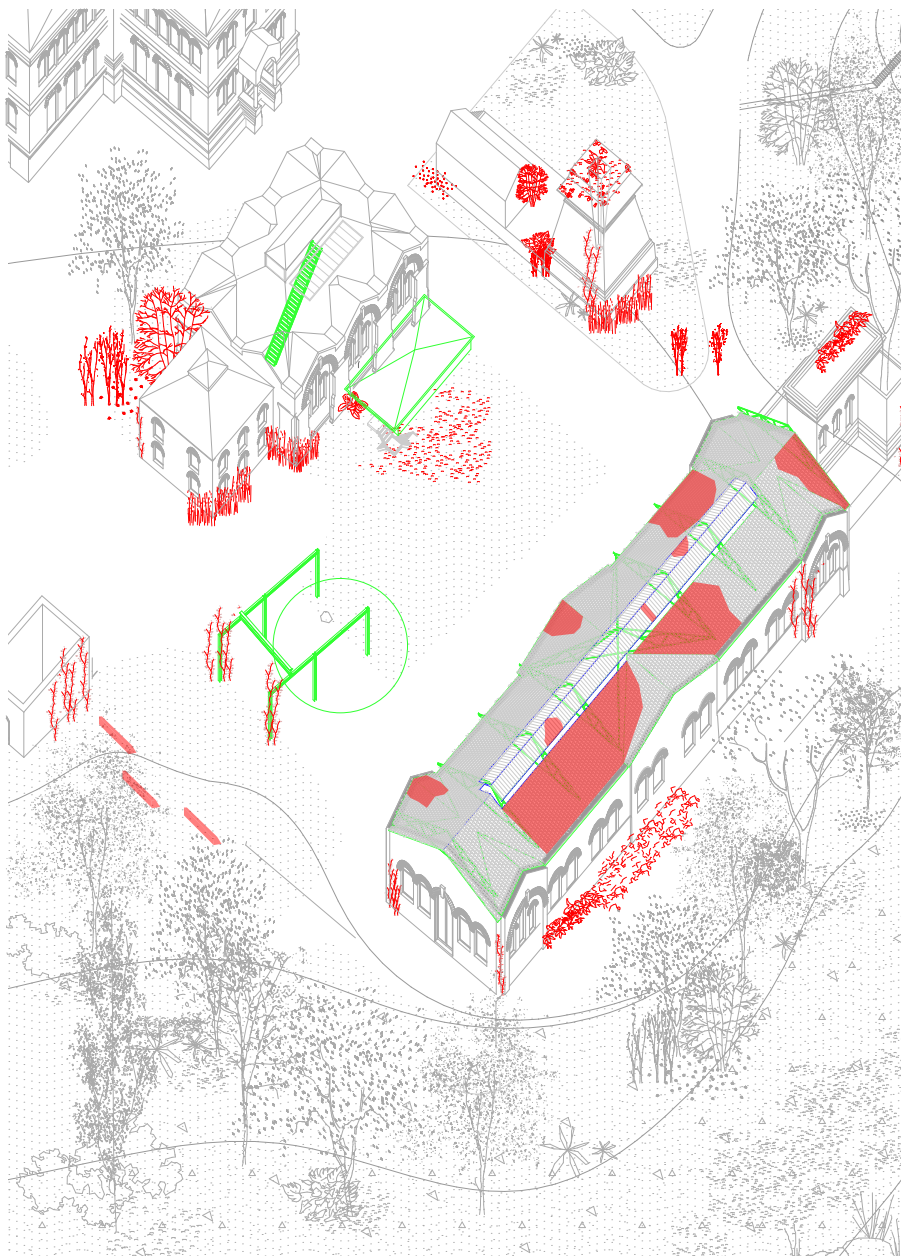


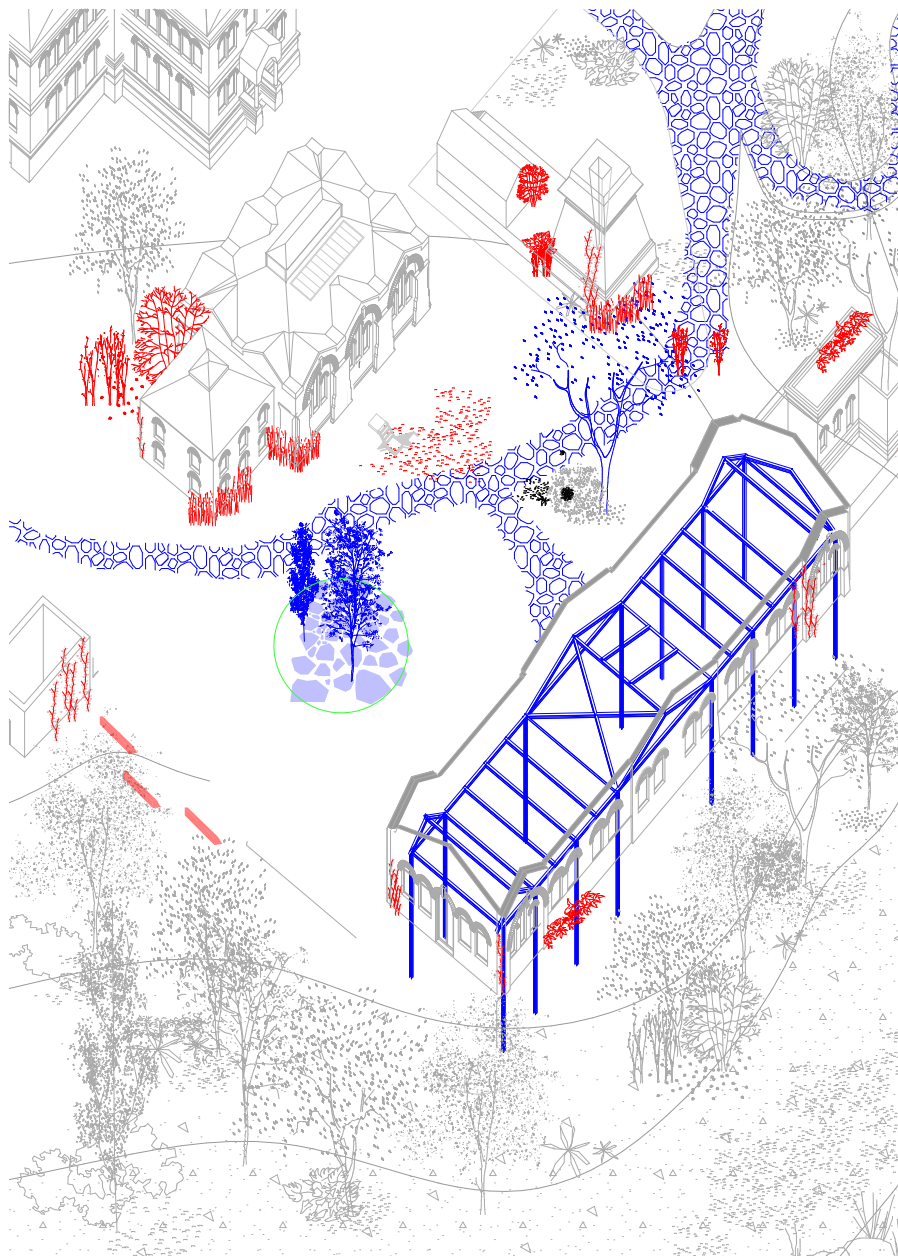




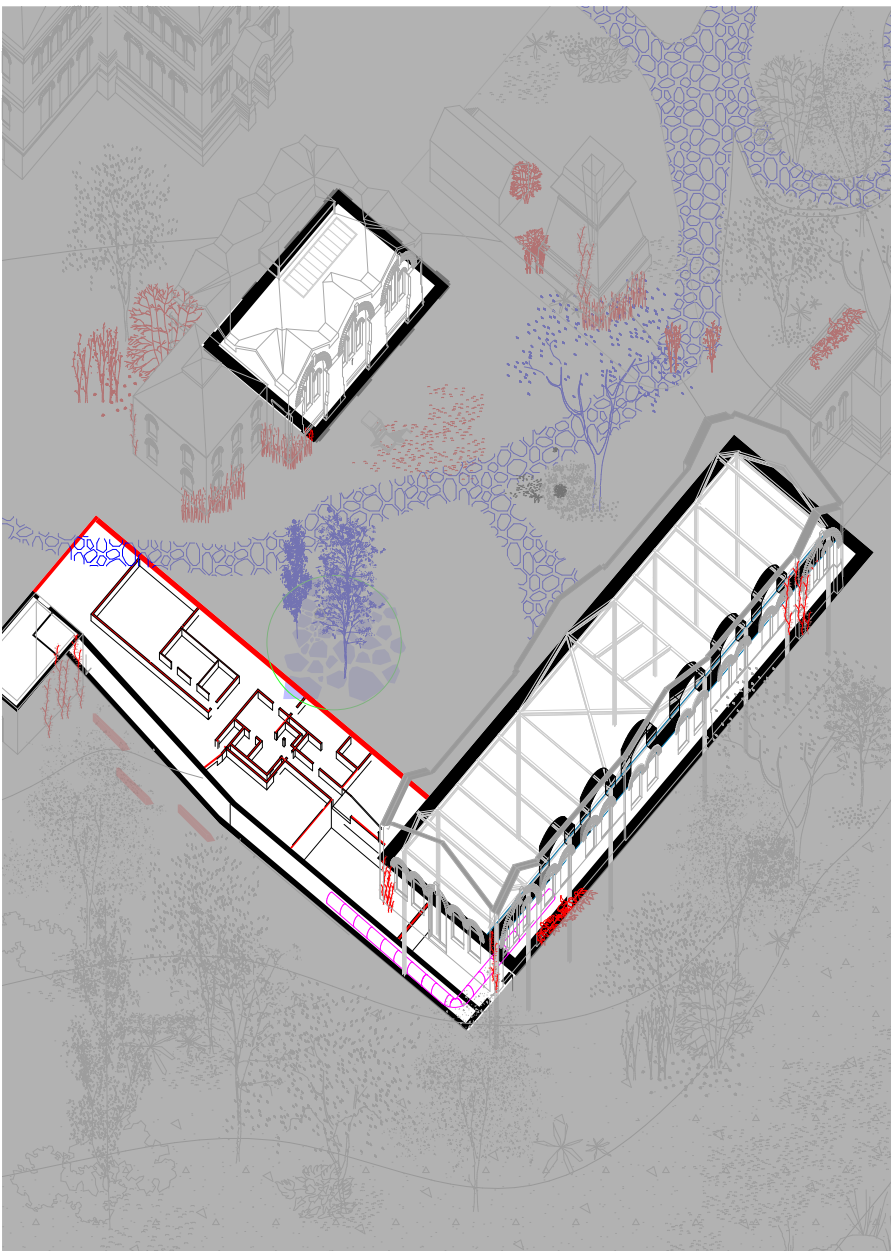




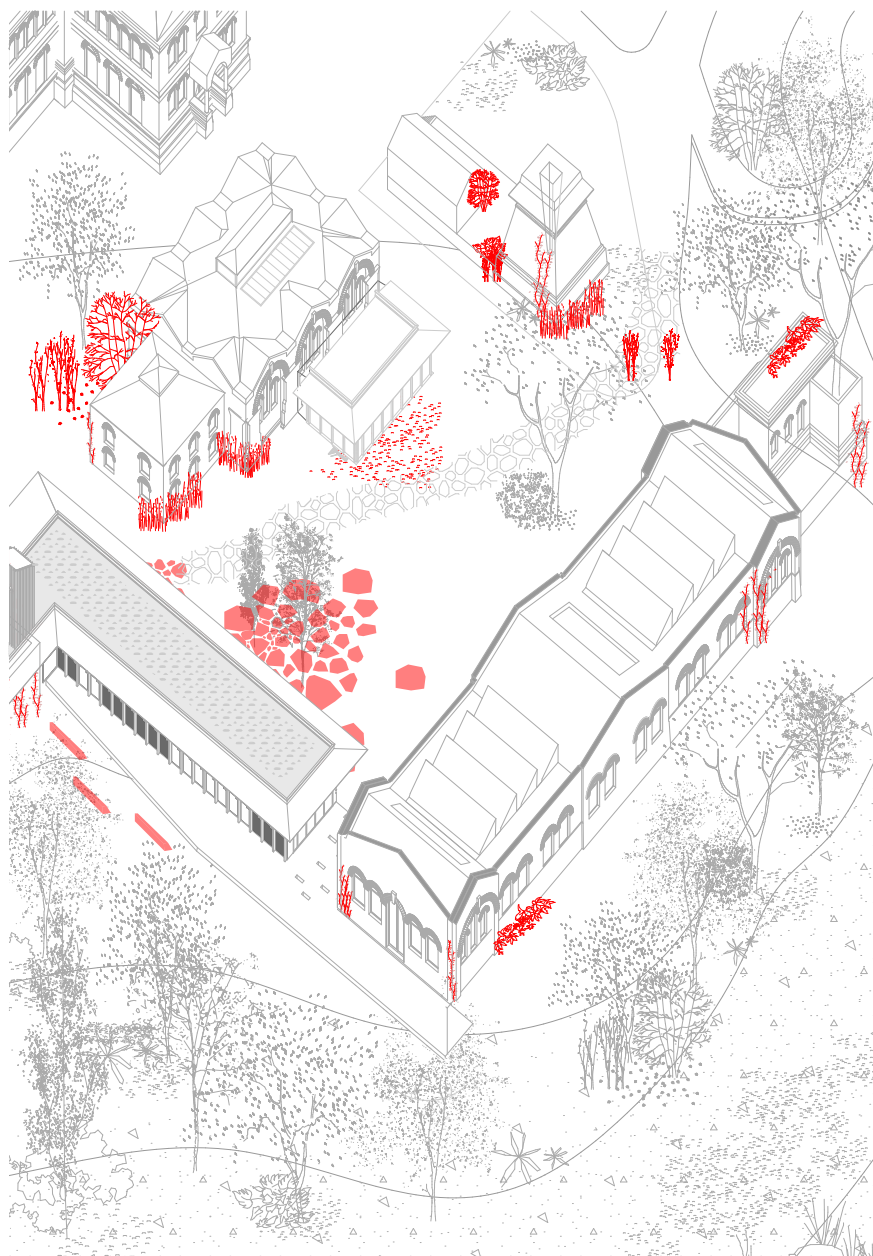


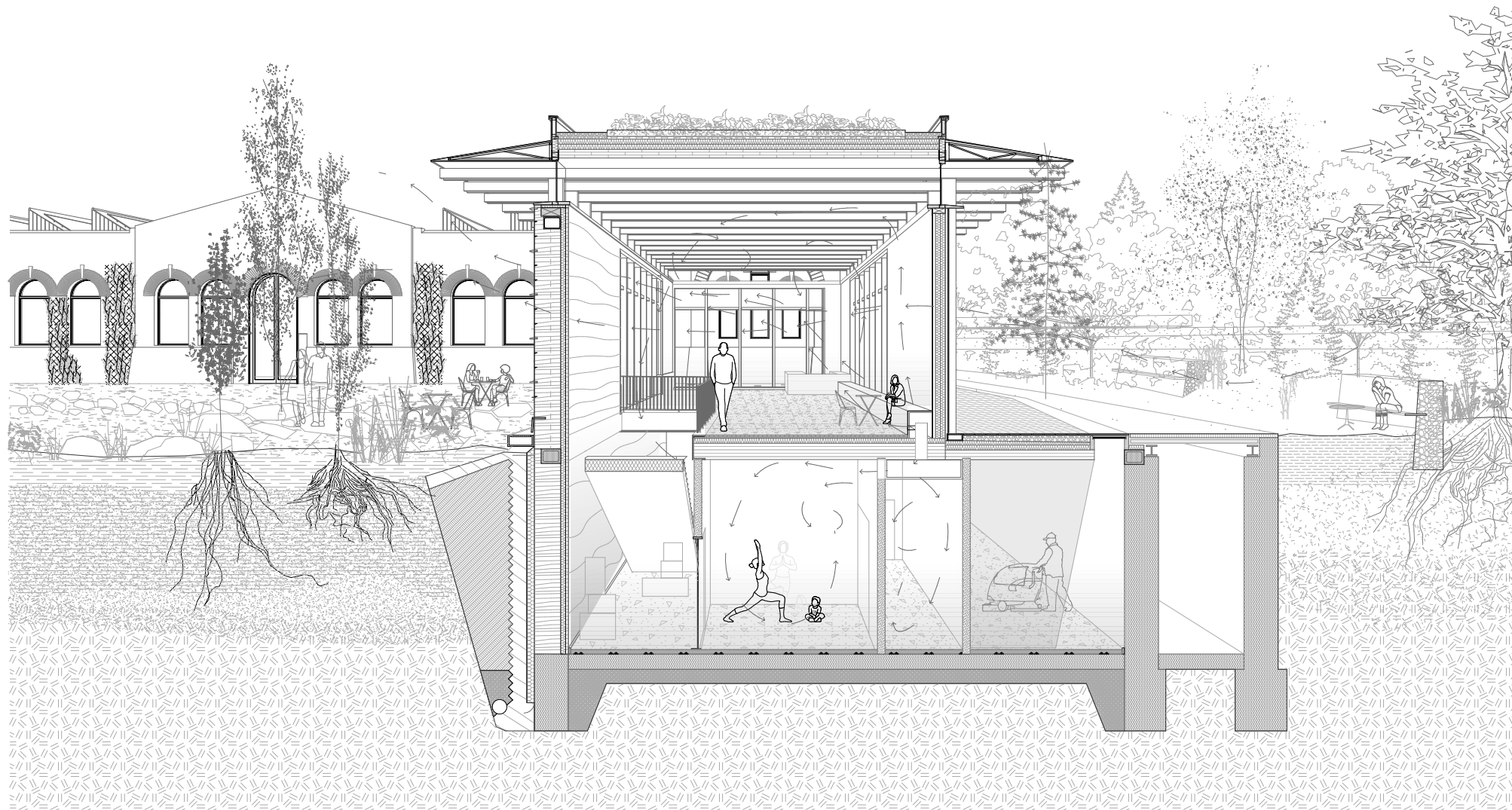




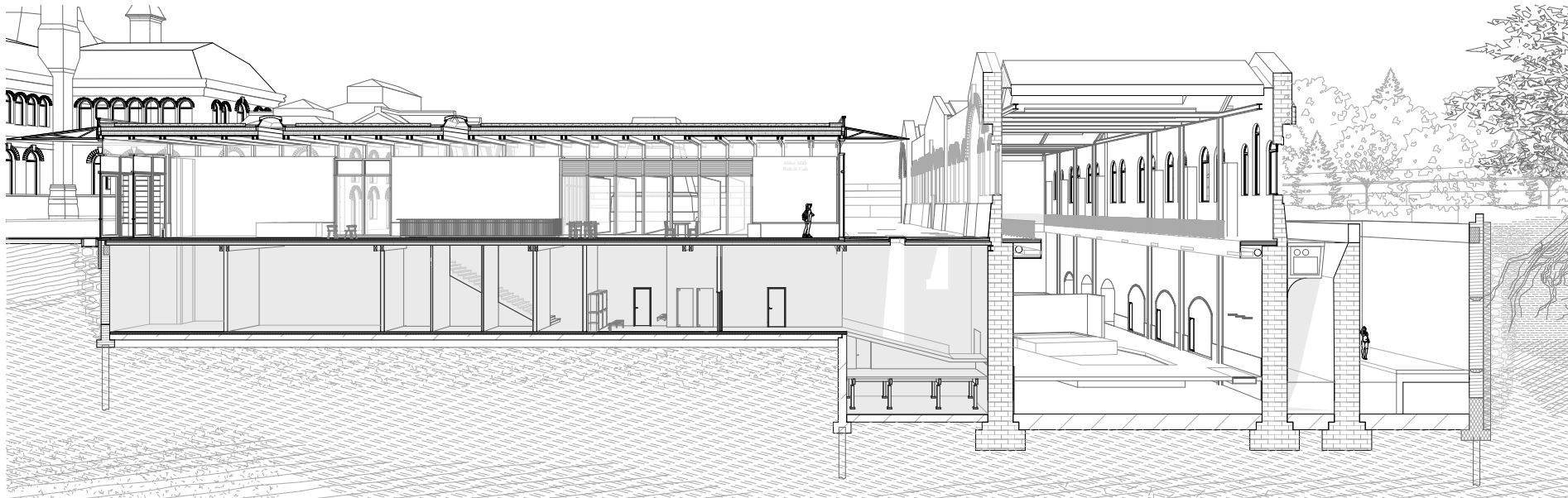
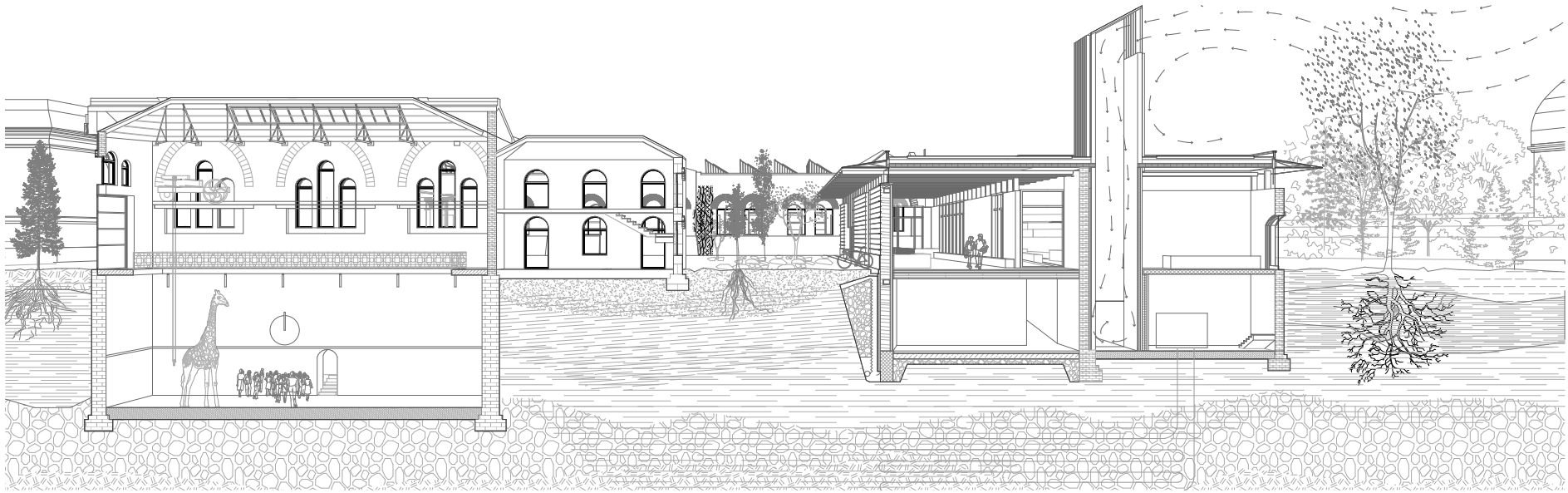


Urban fallows



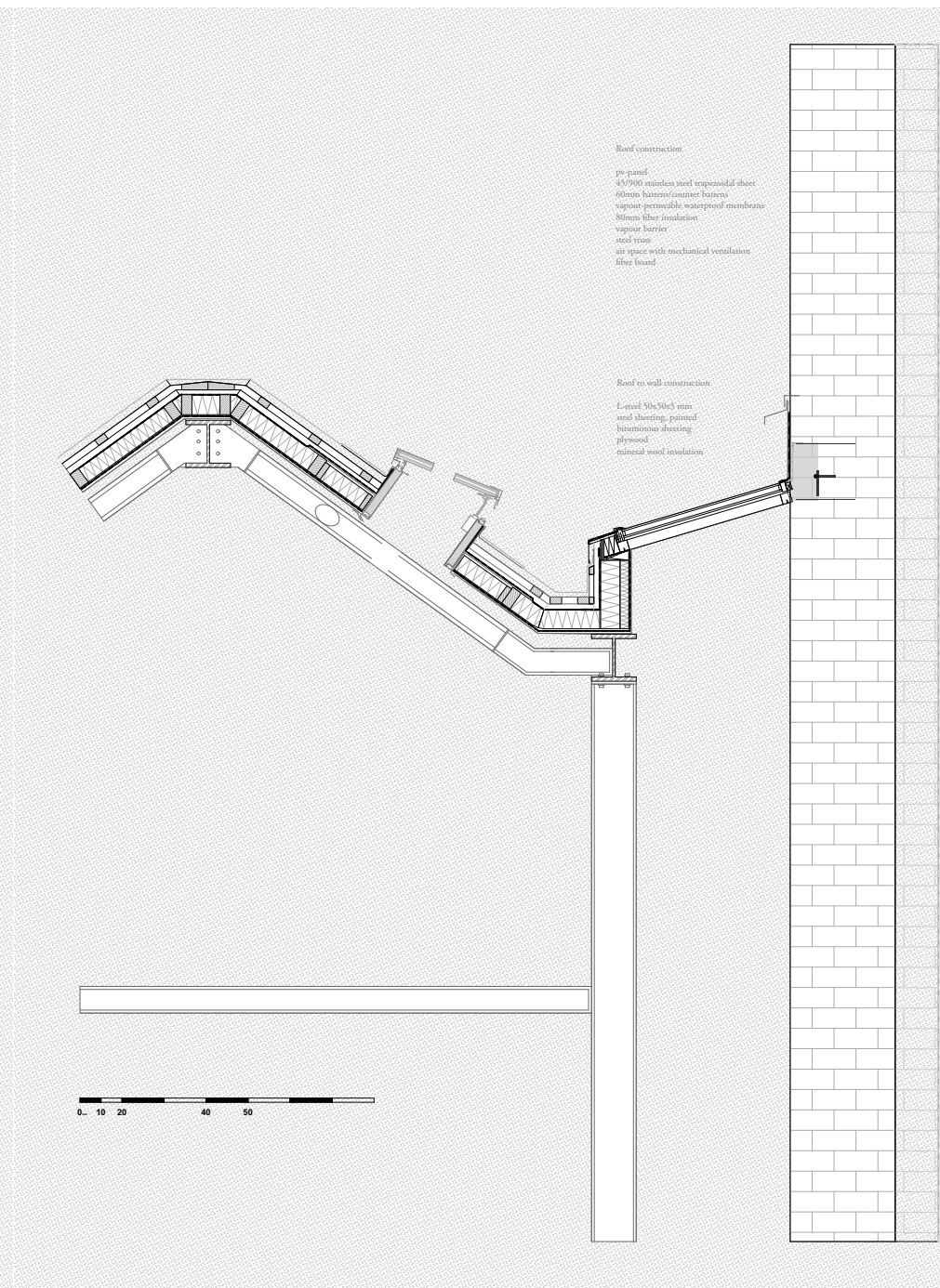
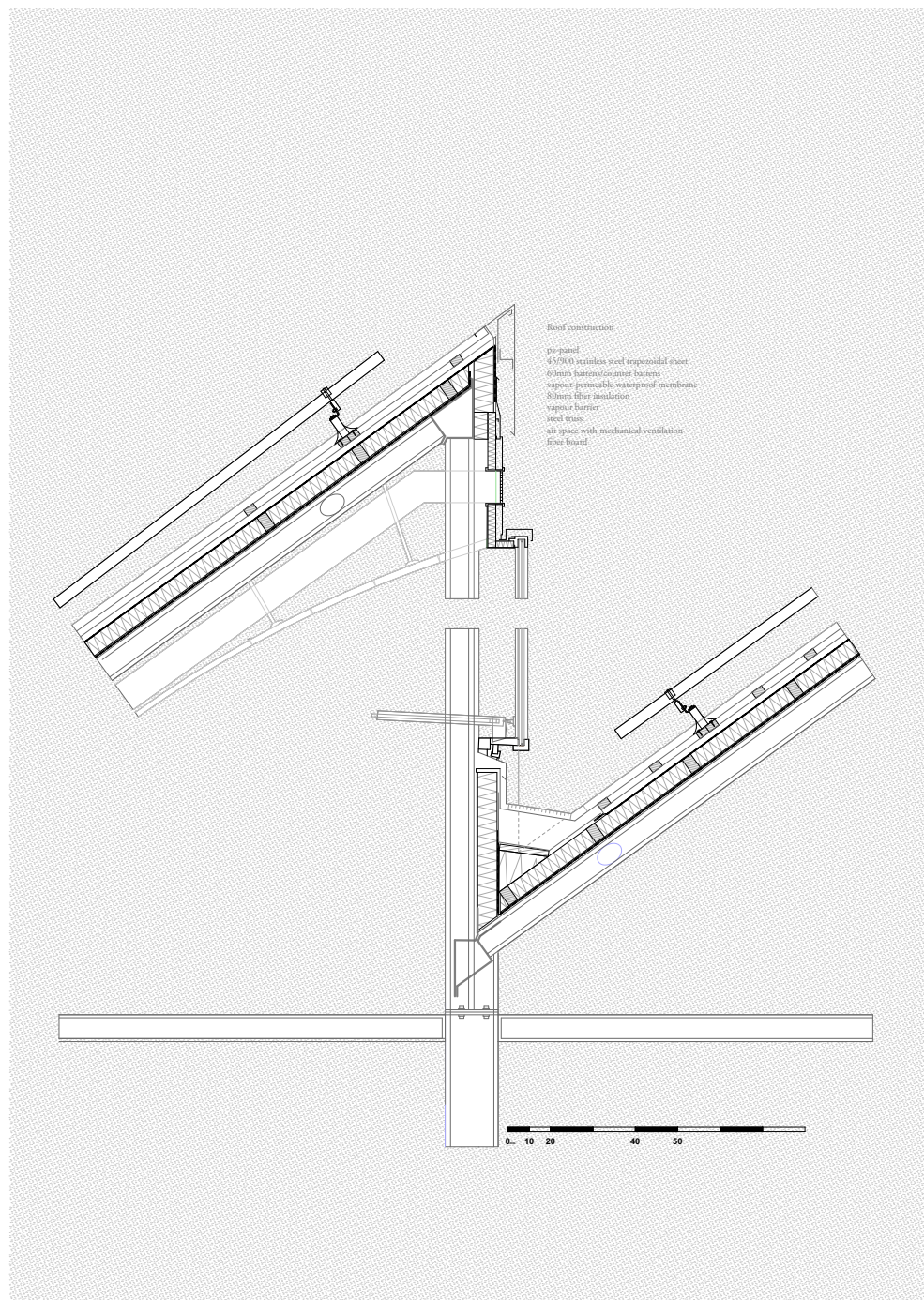




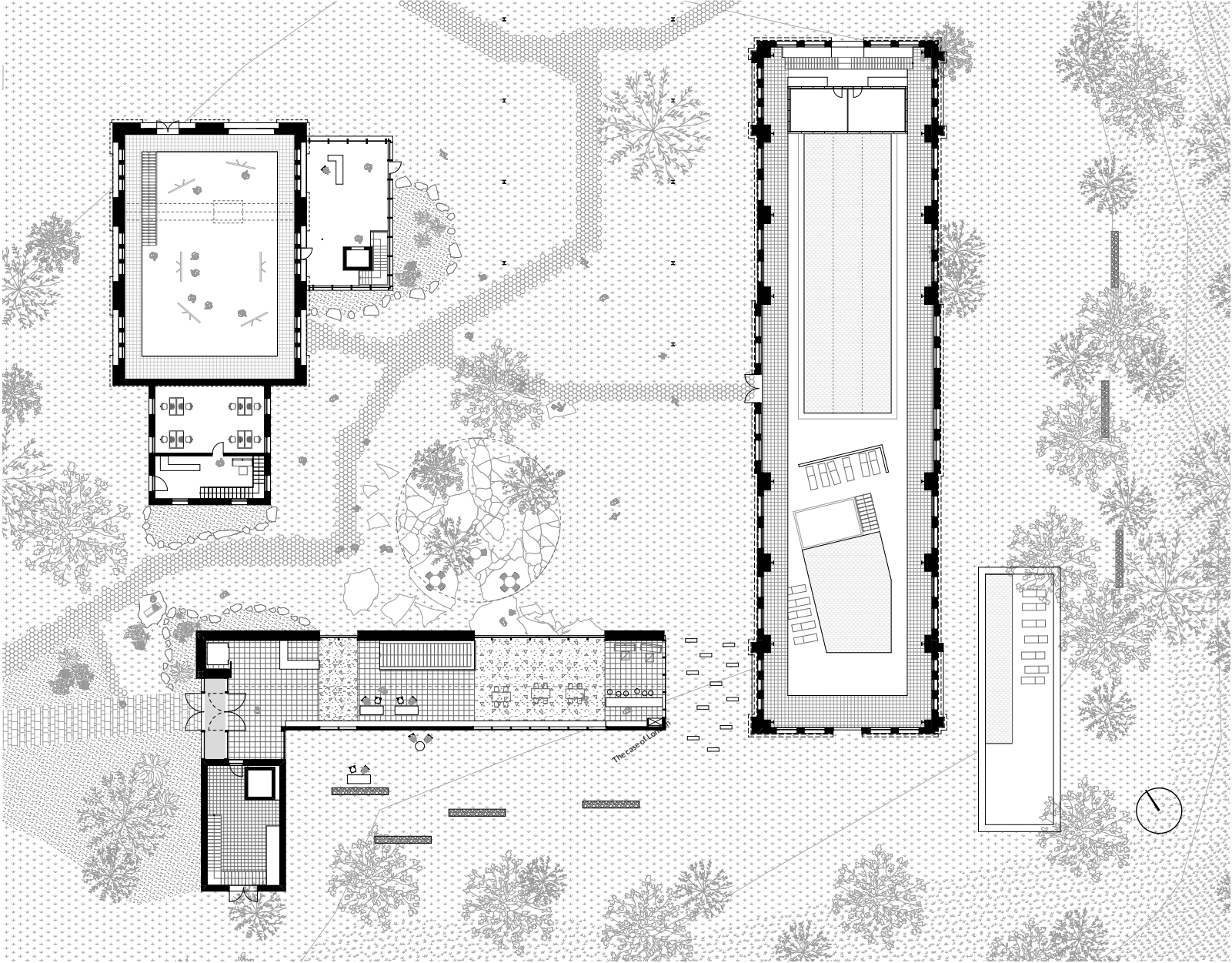


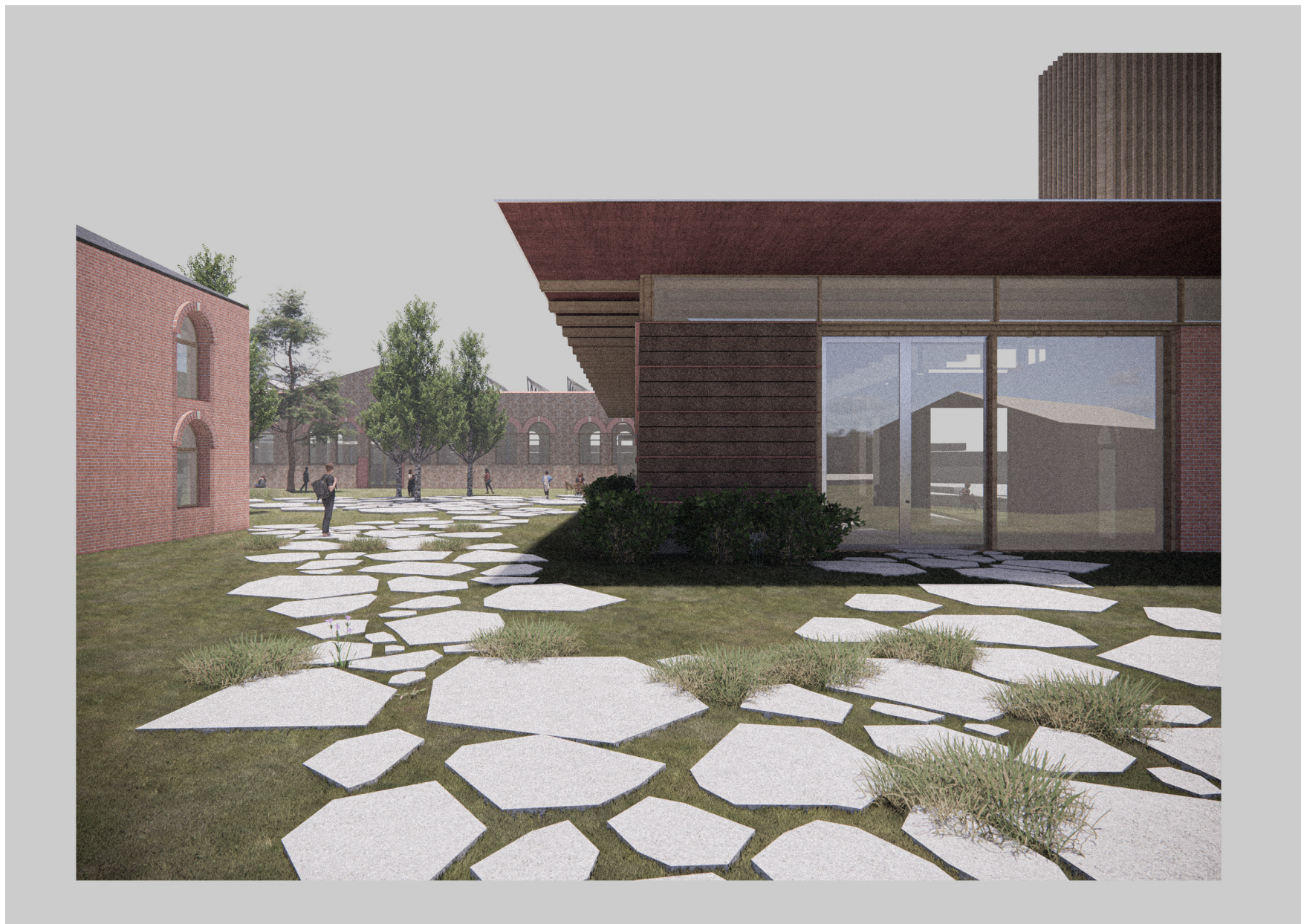




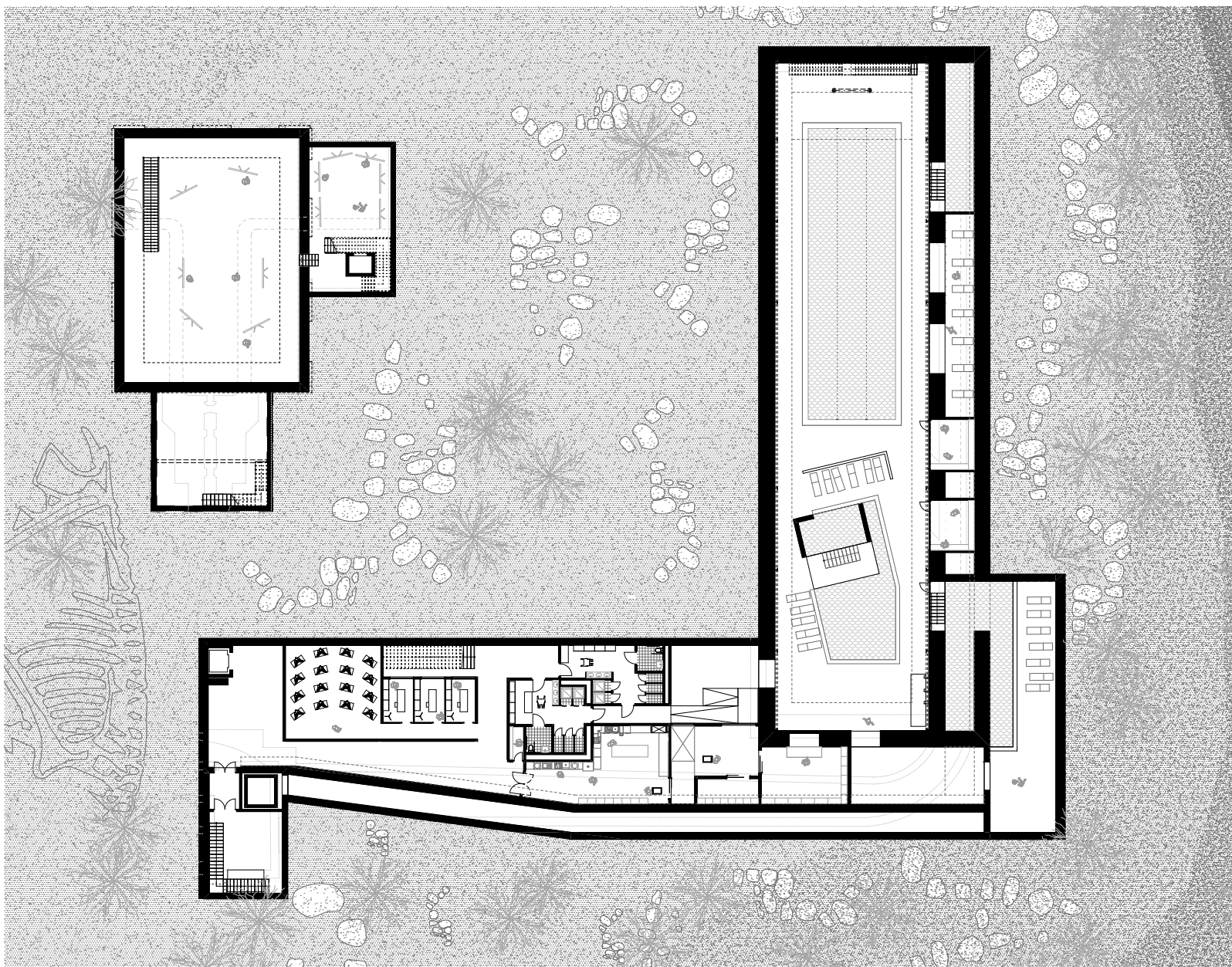




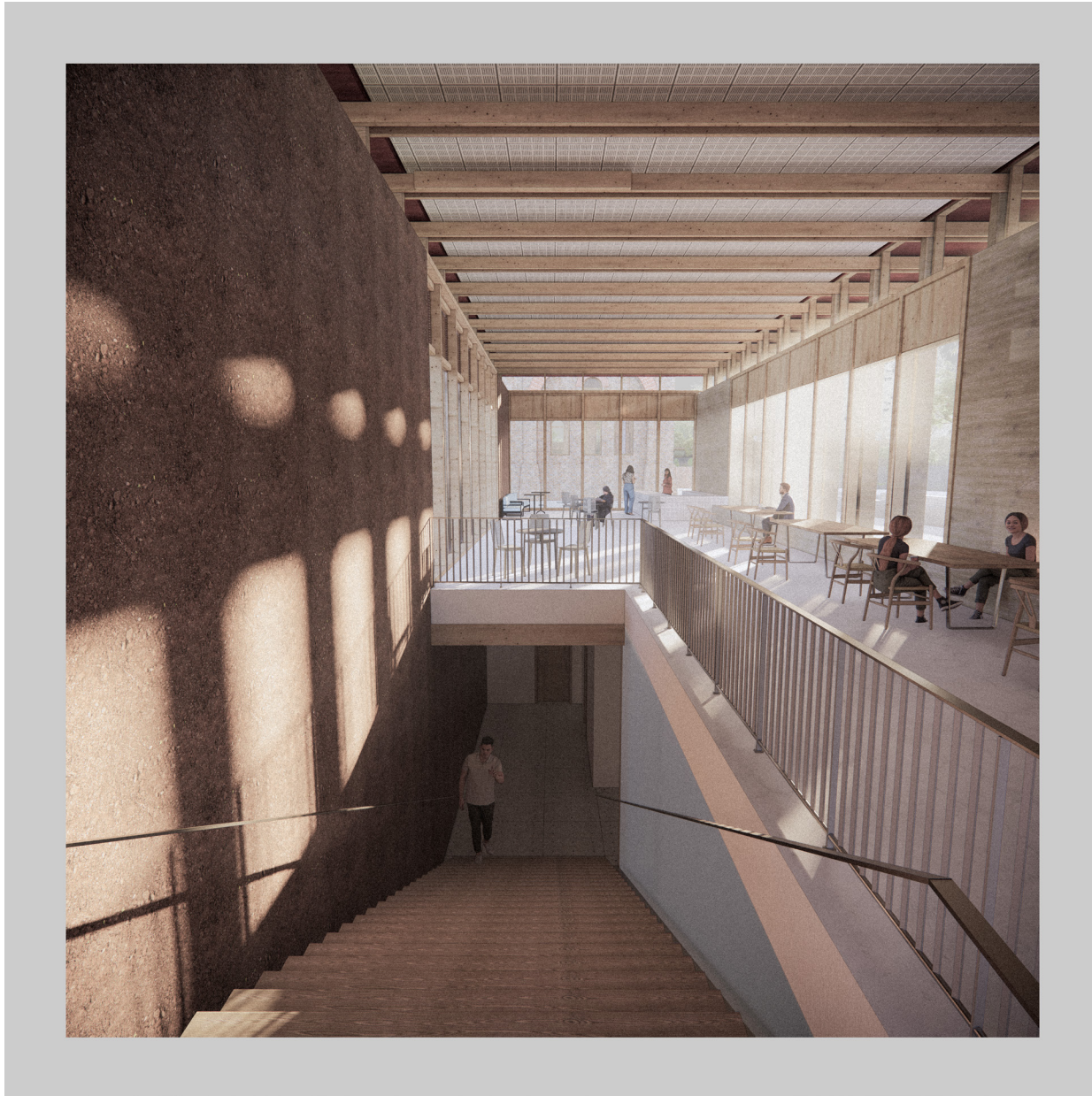






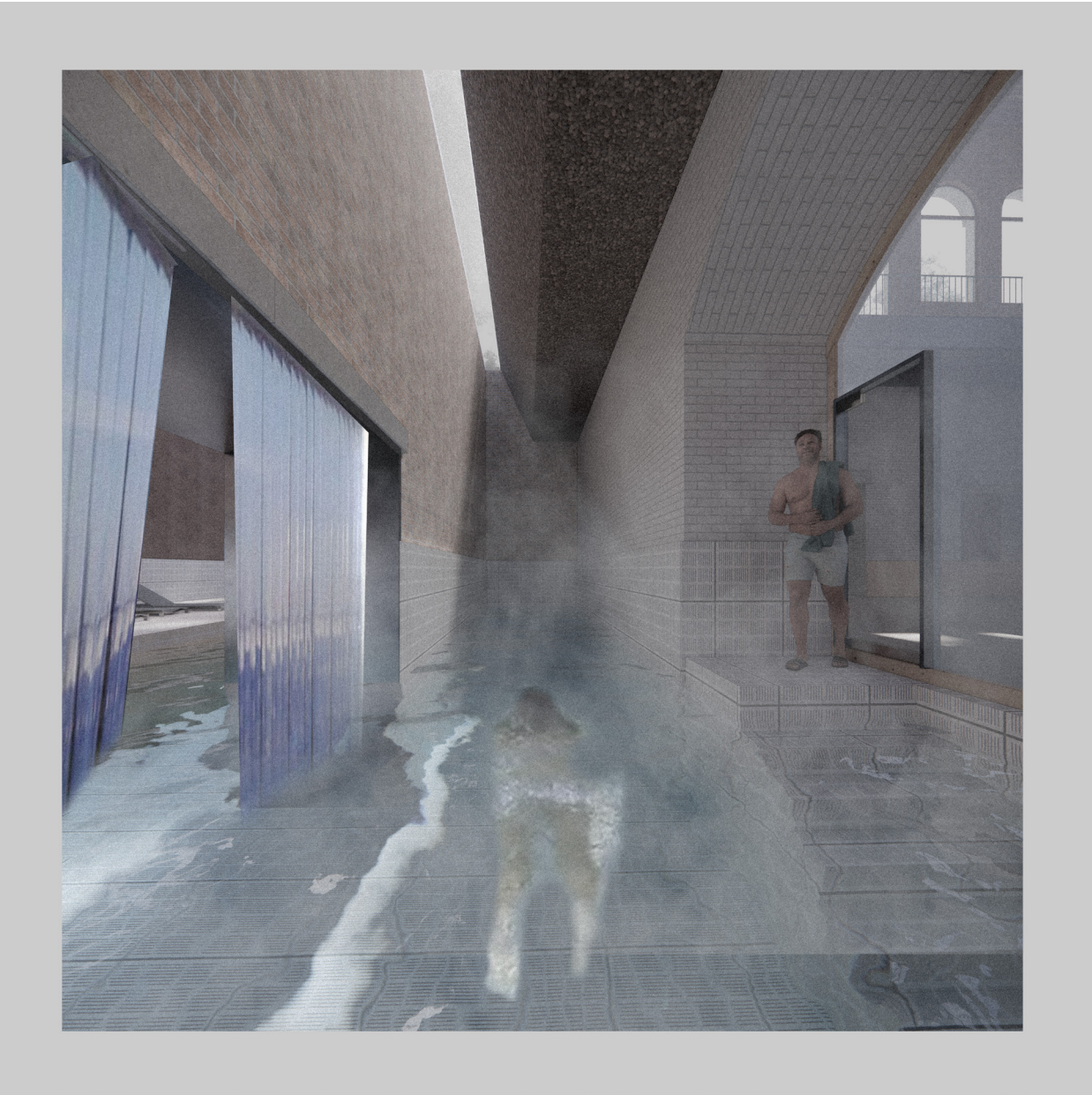




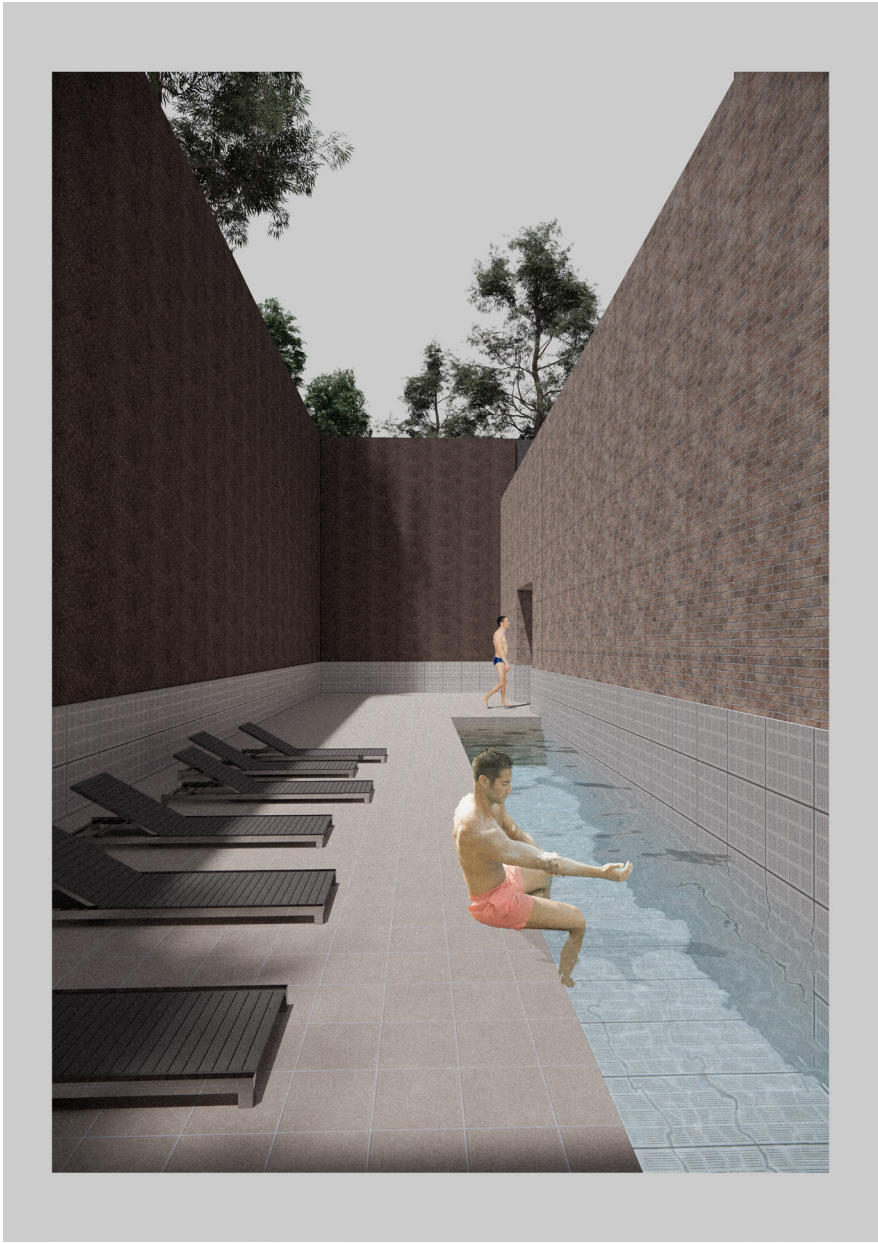


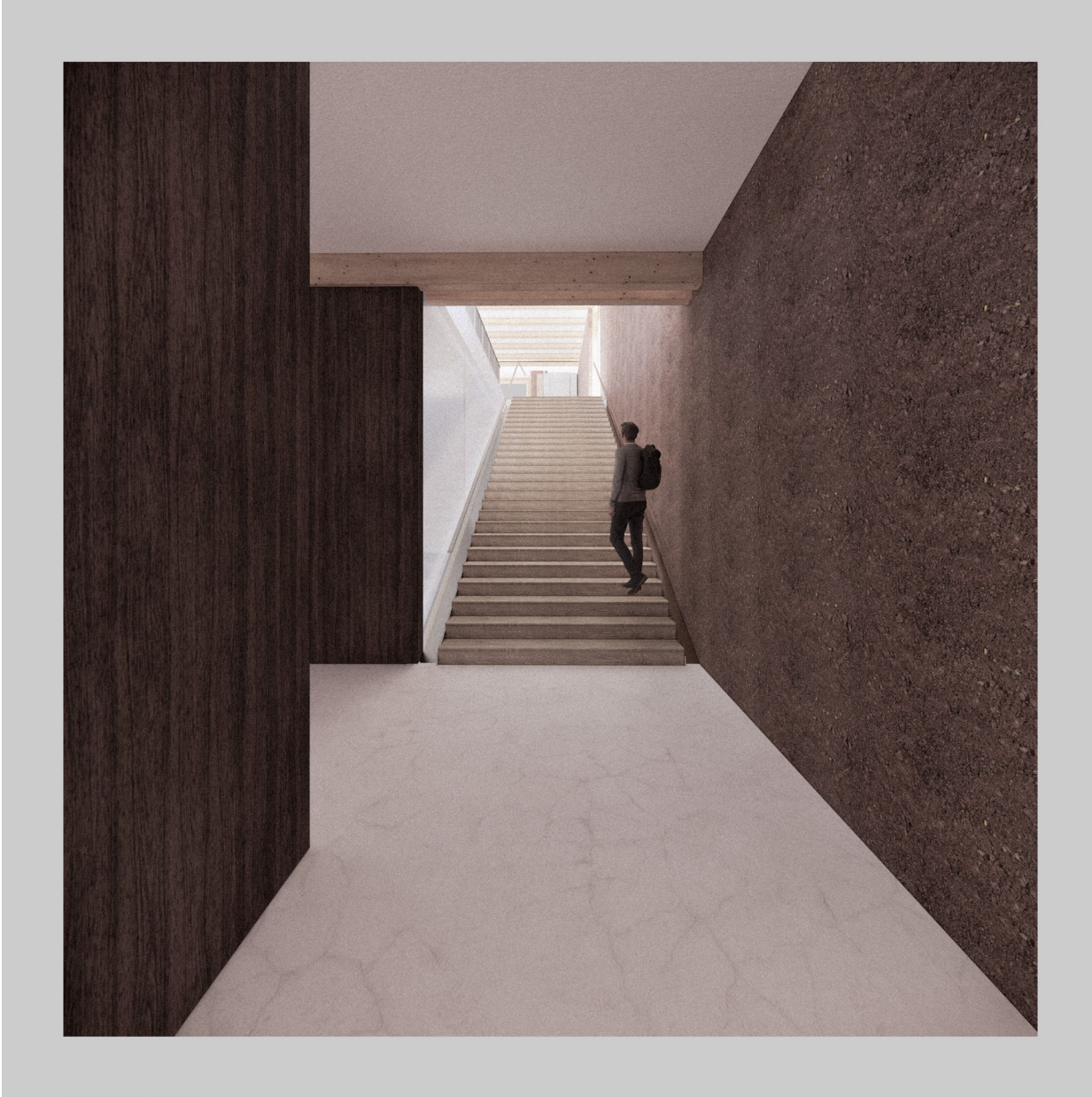












Urban fallows







There is an alternative.

