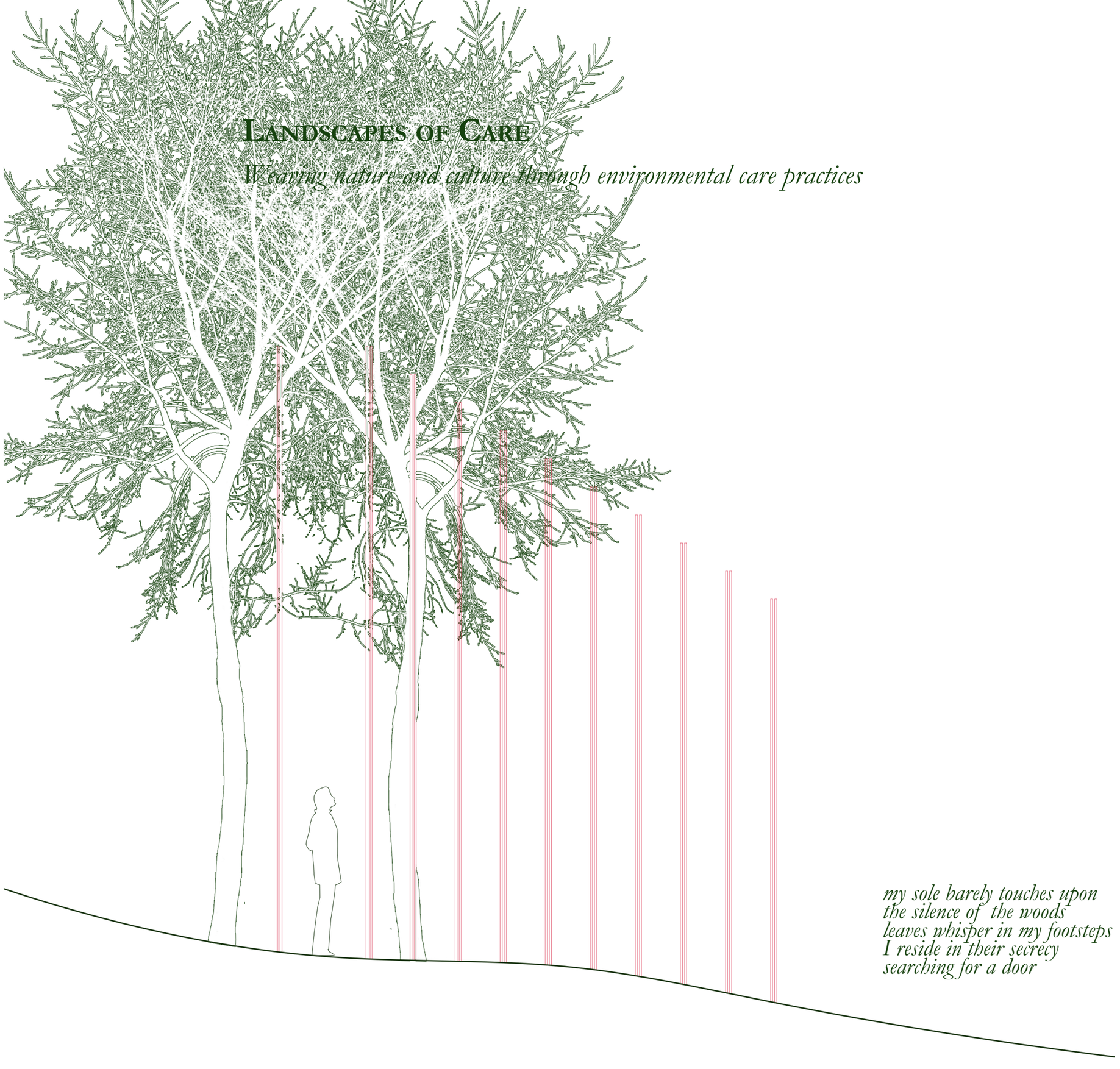
# Landscapes of Care

*Weaving nature and culture through environmental care practices*



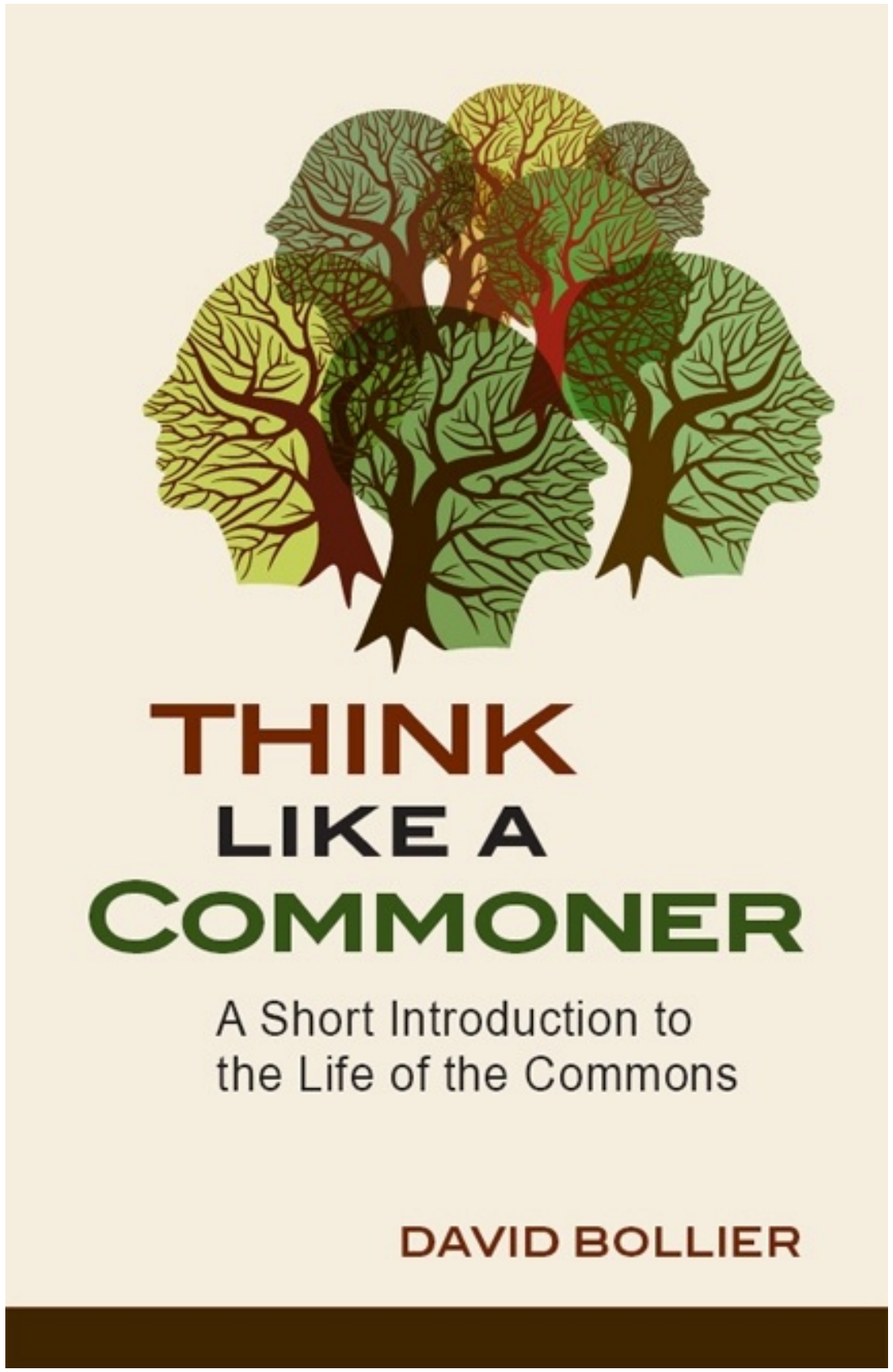
*my sole barely touches upon*
*the silence of the woods*
*leaves whisper in my footsteps*
*I reside in their secrecy*
*searching for a door*

Environmental resources & socio-spatial practices

Theory of environmental care practices

The edible forest valley

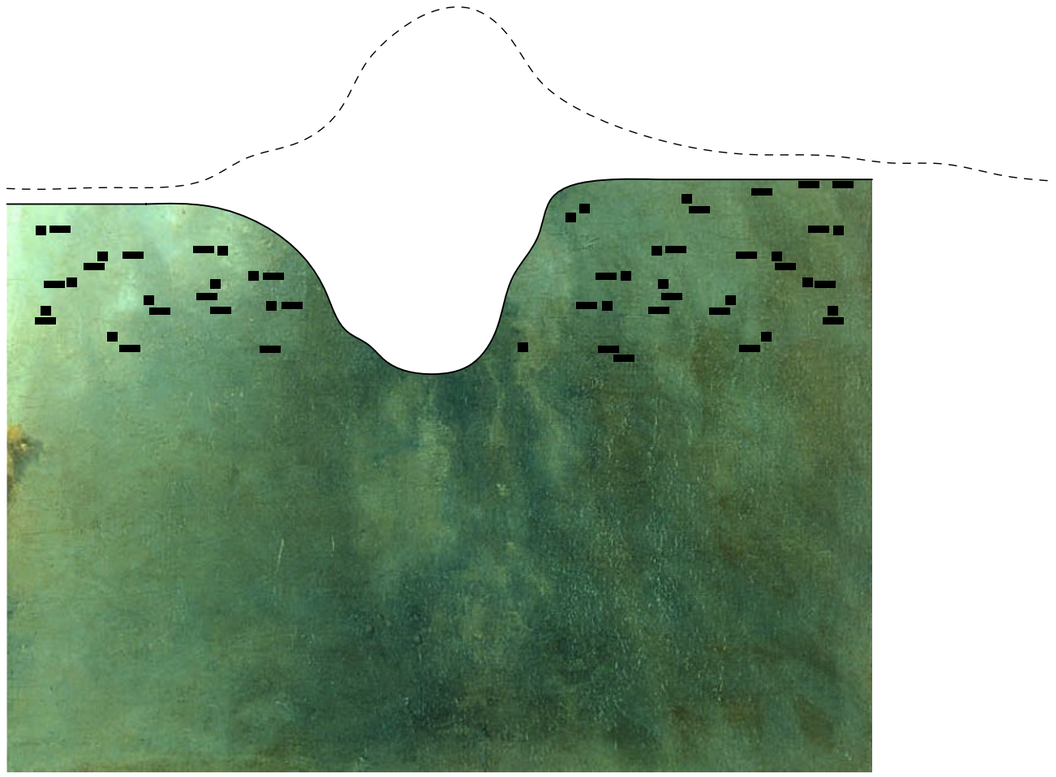
Environmental care centre

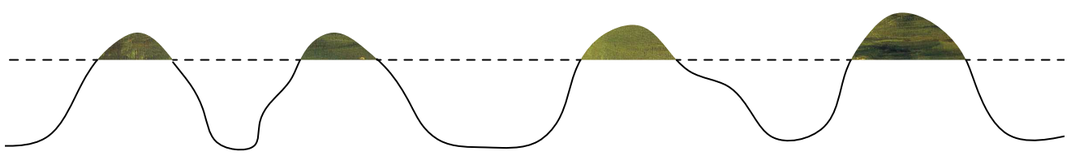


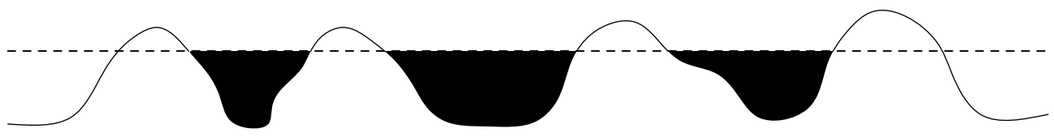

"In Latin America, transnational corporations are working with neoliberal governments to impose aggressive "neo-extractivist" policies" which lead to the rapid privatization of common resources"













Water channeled underground - an urban  identity



Free flowing stream - urban and rural identity



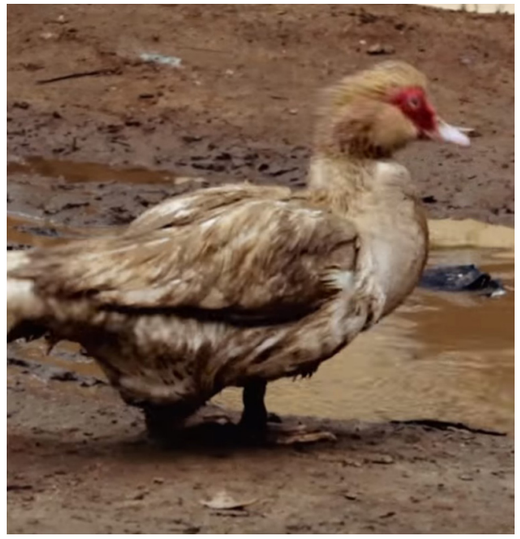




Small scale vegetable farming







Small scale livestock raising

*1 Hawthorn tree/ Crataegus*

*2 Chilca/ Baccharis racemosa*

*3 Chagual/ Puya chilensis*

*4 Quisco/ Echinopsis chiloensis*

*5 White sage/ Salvia apiana*

*6 Tevo/ Trevoa trinervis*

*7 Litre/ Lithraea caustica*

*8 Eucalyptus globulus*

*9 Informal dump site*

*10 Evergreen tree/ Crinodendron patagua*

*11 Borbones*

*12 Belloto/ Beilschmiedia berteroana*

*13 Boldo/ Peumus boldus*

*14 Parilla Blanca/ Proustia pyrifolia*

*15 Pine tree/ Pinus radiata*

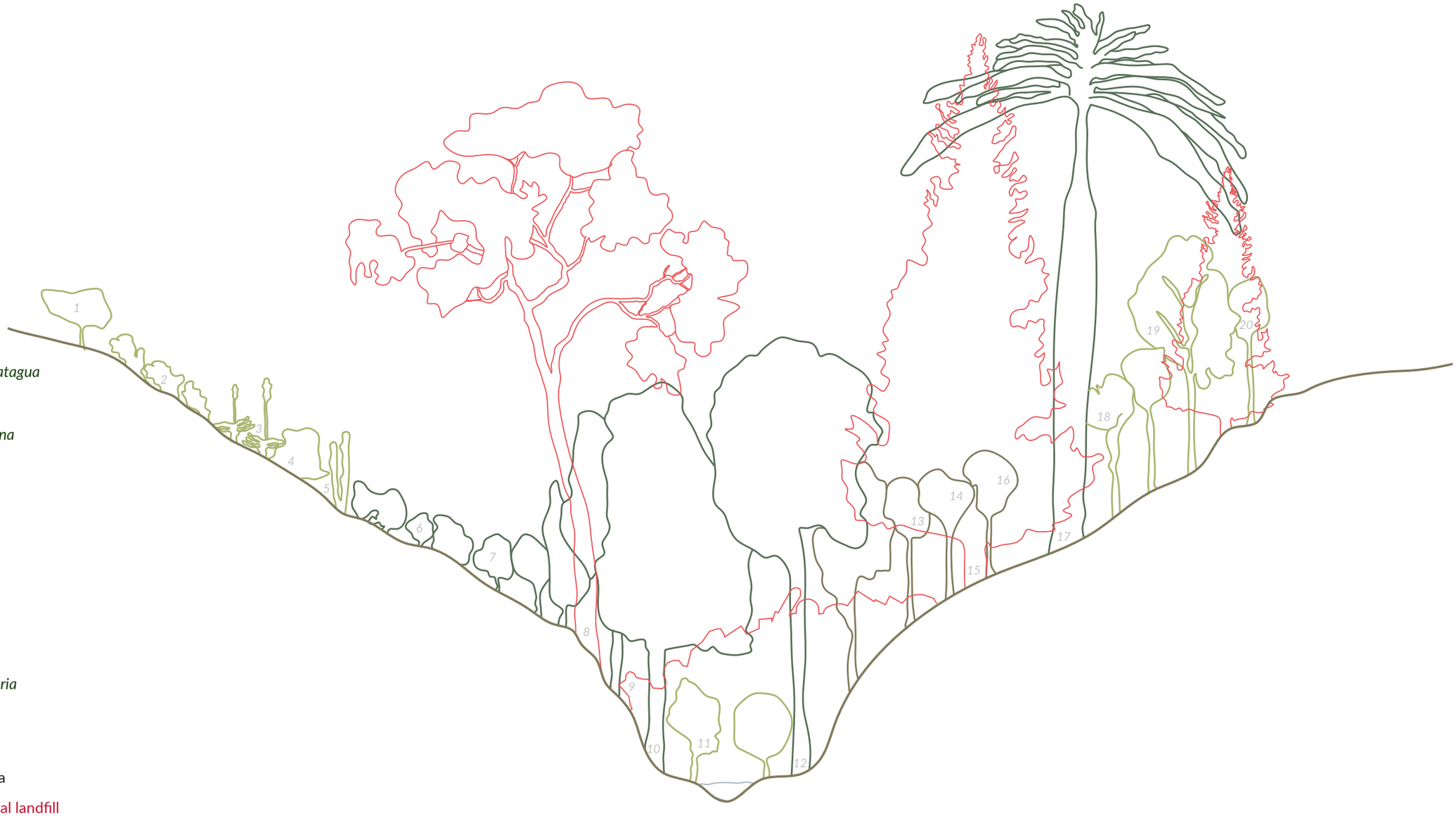
*16 Peppercorn tree/ Schinus molle*

*17 Chilen palm*

*18 Litre/ Lithraea caustica*

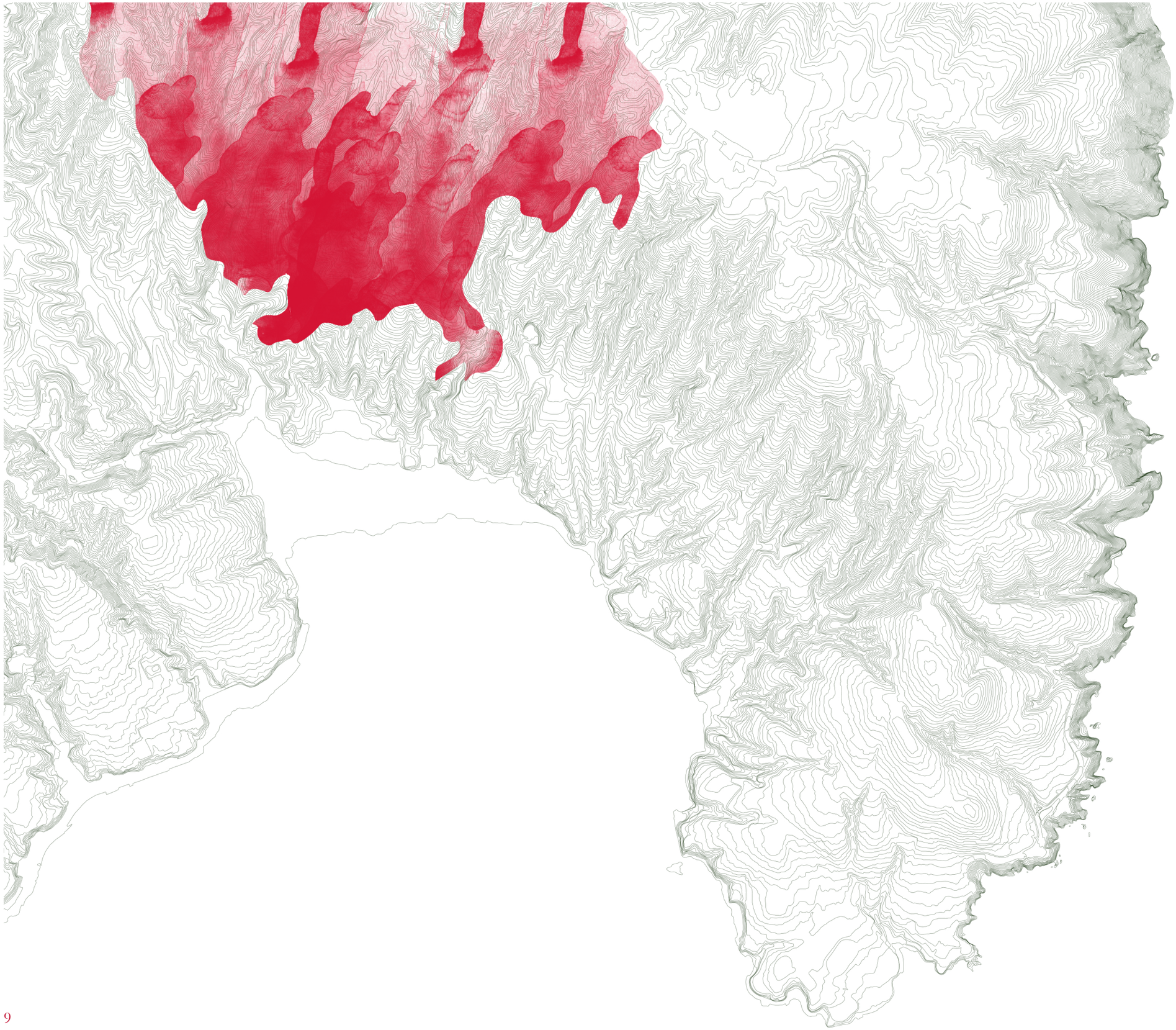
*19 Peumo/ Cryptocarya alba*

*20 Soap bark tree/ Quillaja saponaria*

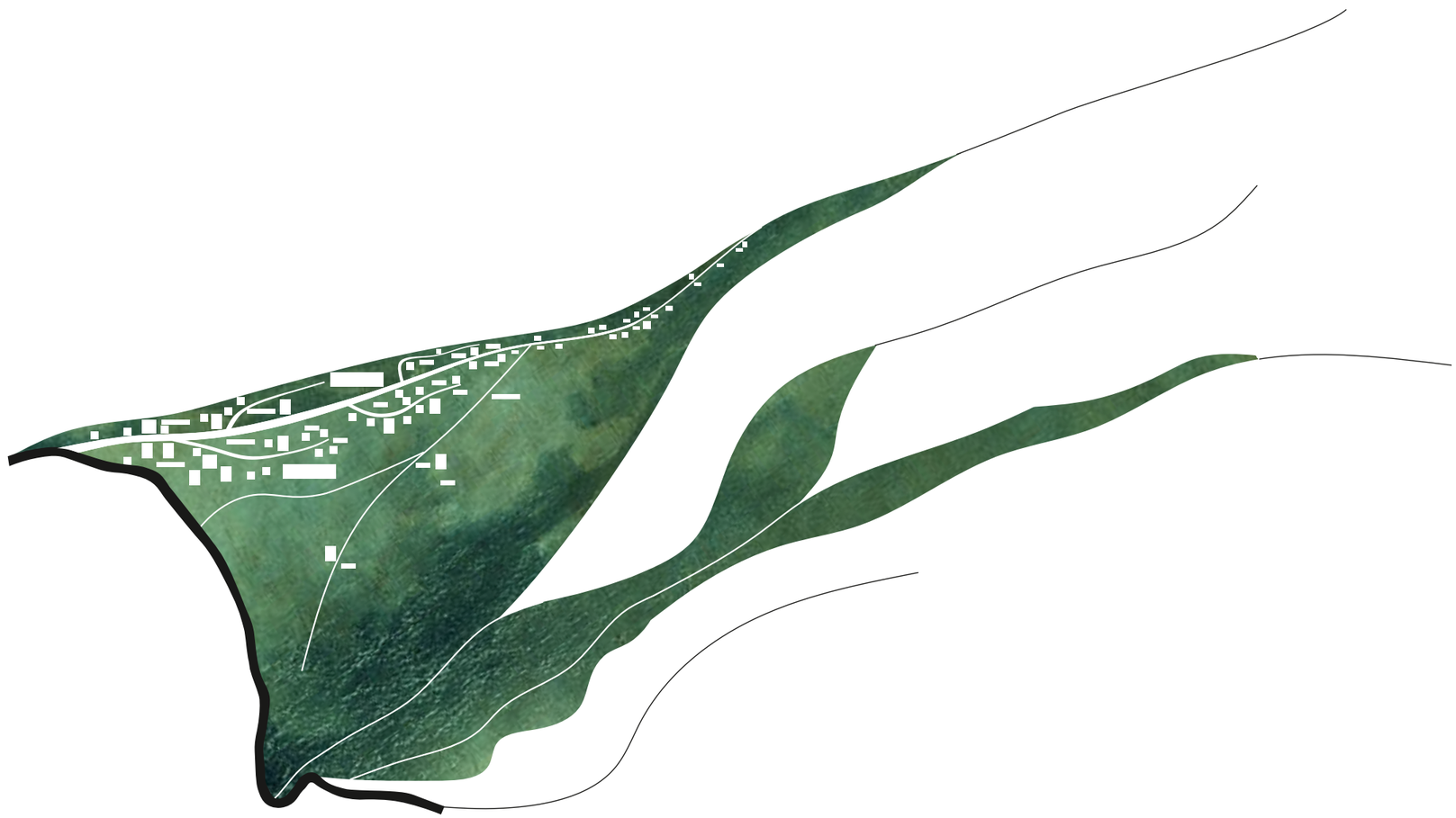



Native sclerophyllous flora

Non-native flora & informal landfill



Extent of the 2014 fire



The periphery of Valparaiso

”
a struggle by humanism to overcome the limits of Enlightenment rationality questions the separation of the world into a sphere of humans and a sphere of things

*Reality as Commons by Andreas Weber*

Chapter 7th: Rights for Nature

Art. 71 Nature or Pachamama, where life is reproduced and exists, has the right to exist, persist, maintain and regenerate its vital cycles, structure, functions and its processes in evolution.

*The rights of nature by Paulo Tavares*

”
in the “collective action” to conserve forests, not only do villagers “come together”; there is also a “coming together” of forests, plants, animals, and trees due to the affective capacity of a body to form relations with other bodies, that transformslandscape and local subjectivities

*The affective labour of growing forests and the becoming of environmental subjects by Neera Singh*

”affective labor in which mind and body, reason and passion, intellect and feeling are all employed together

*The affective labour of growing forests and the becoming of environmental subjects by Neera Singh*

”growing plants and raising animals are not so different, in principle, from bringing up children (...) children, animals, plants and even – in a sense – artefacts as well, are ‘grown’

*The perception of the environment by Tim Ingold*



*An act of affective labour*

private gardens

COMMON FOREST

# THE GIFTS OF NATURE



*Maqui*
*Aristotelia chilensis*



*Chilean hazelnut*
*Gevuina avellana*



*White horehound*
*Marrubium vulgare*



*Chañar*
*Geoffroea decorticans*



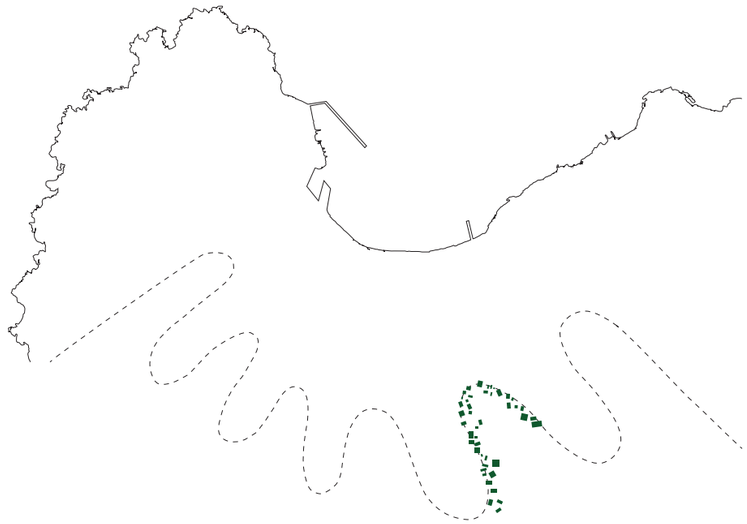
*Boldo*
*Peumus Boldus*



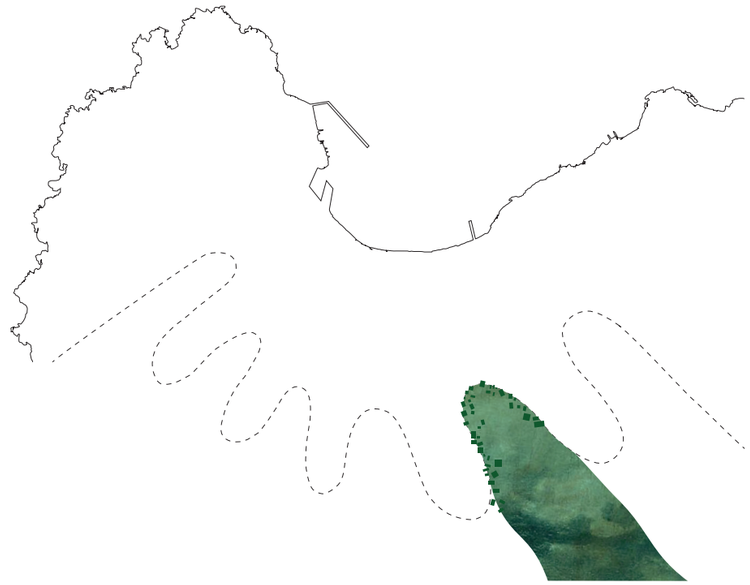
*Medallita*
*Sarmentia repens*




THE LAYERS OF THE EDIBLE FOREST



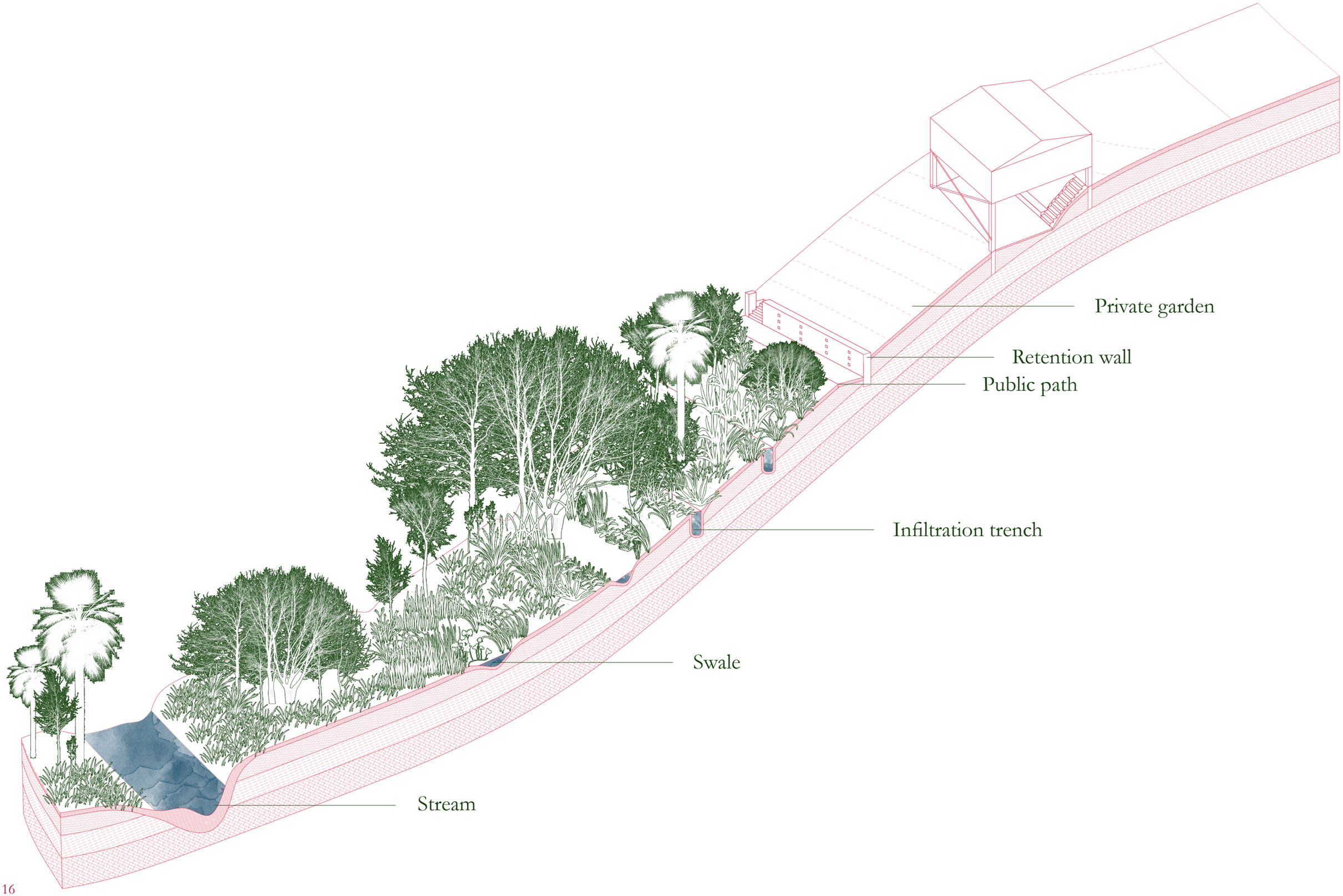
The Garden, domestic scale

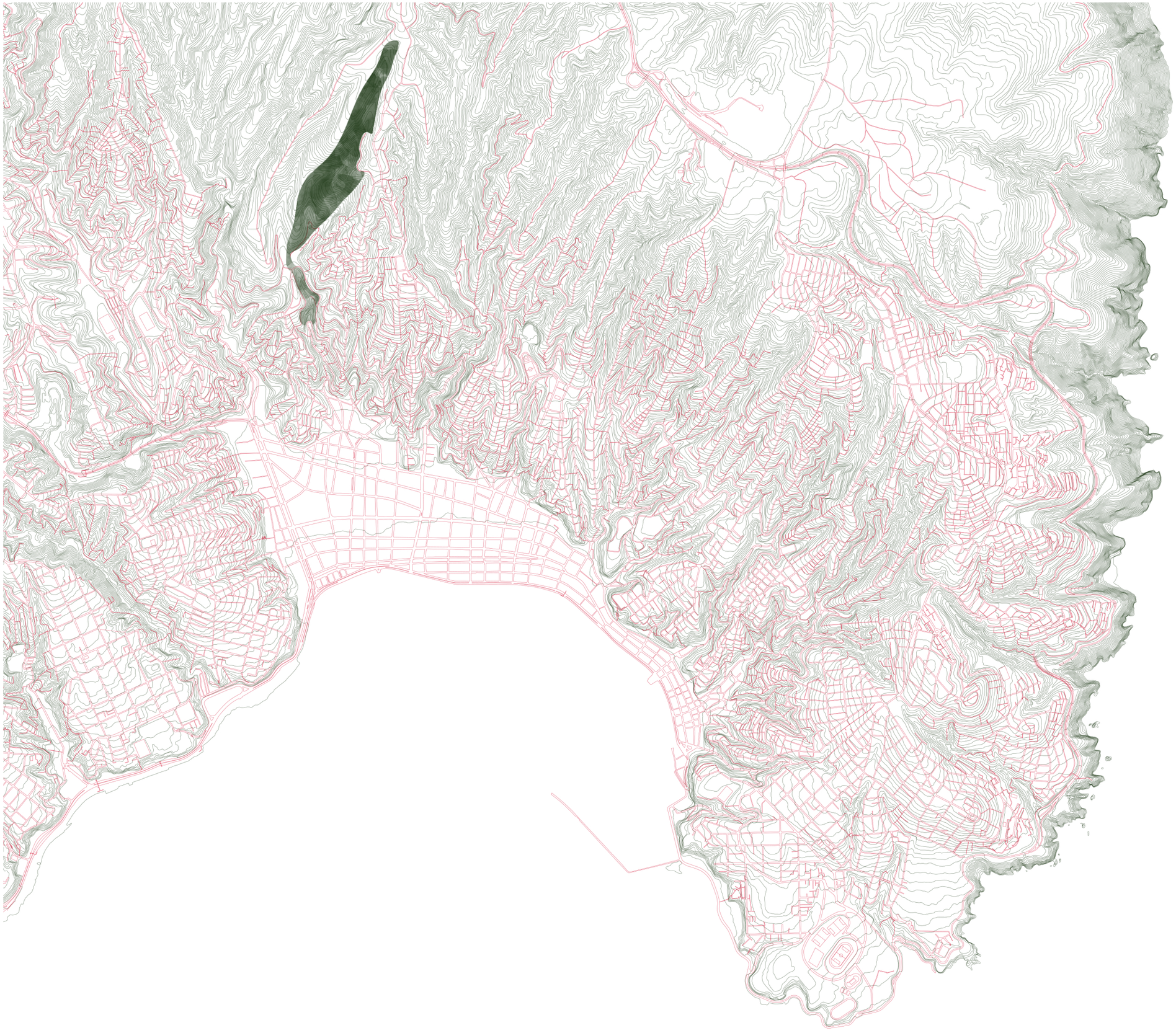


The Valley, neighbourhood scale



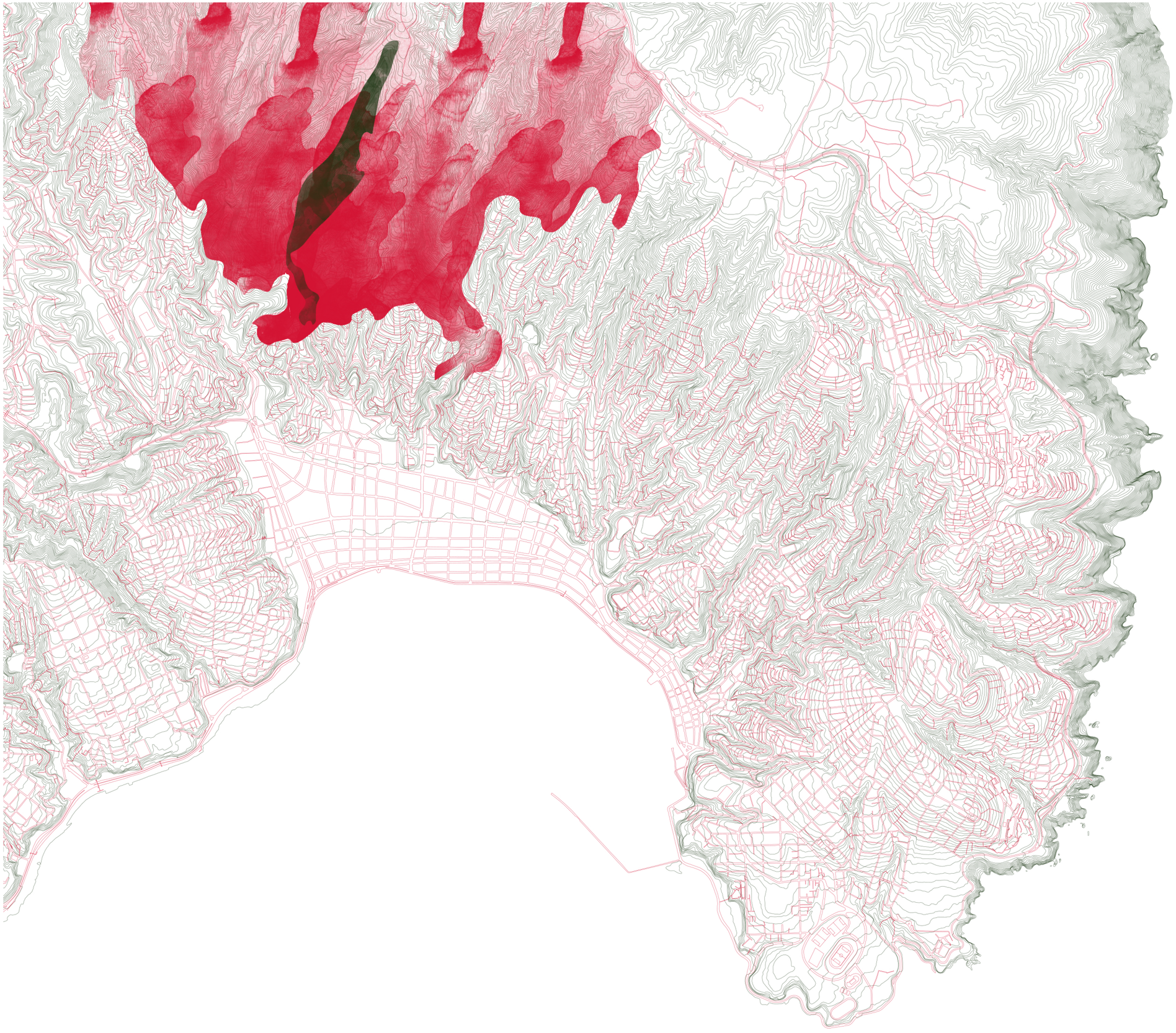
The Ecosystem, city scale


Private garden
Retention wall
Public path
Infiltration trench
Swale
Stream





N





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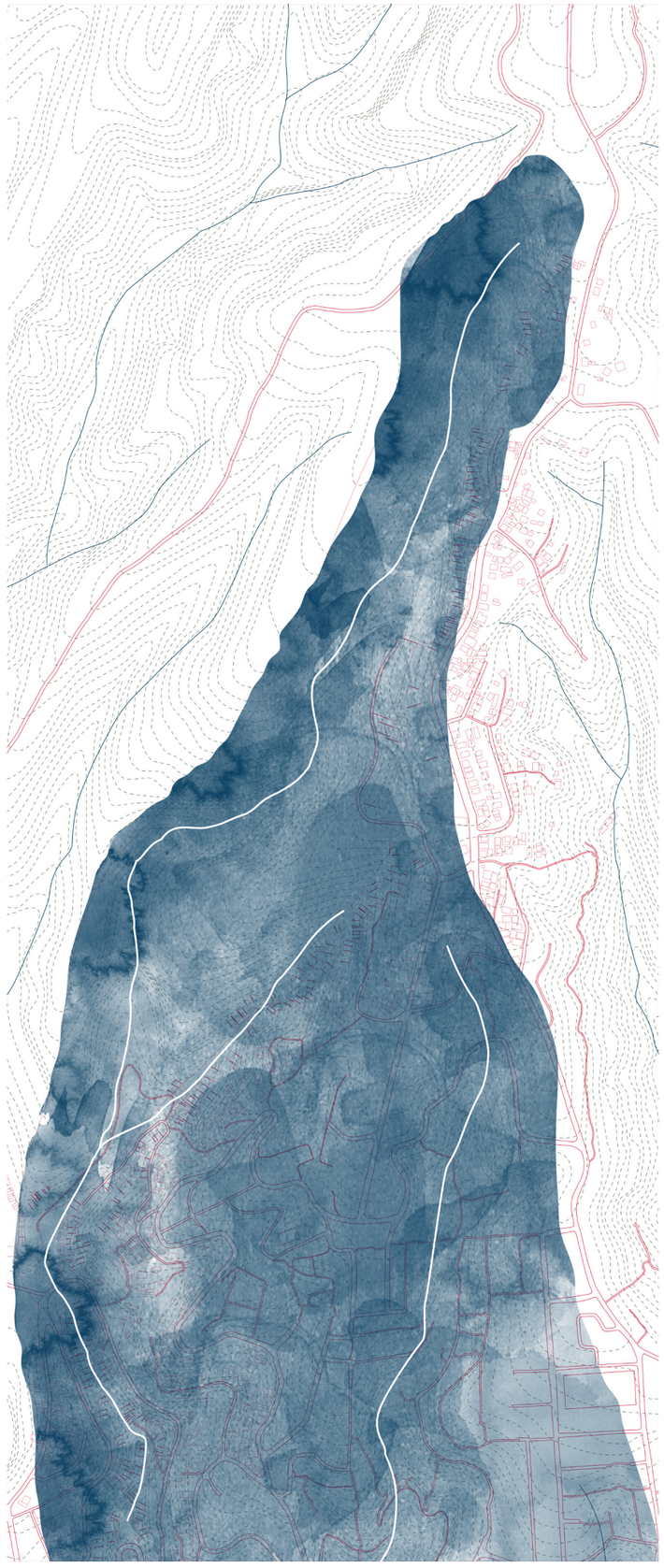
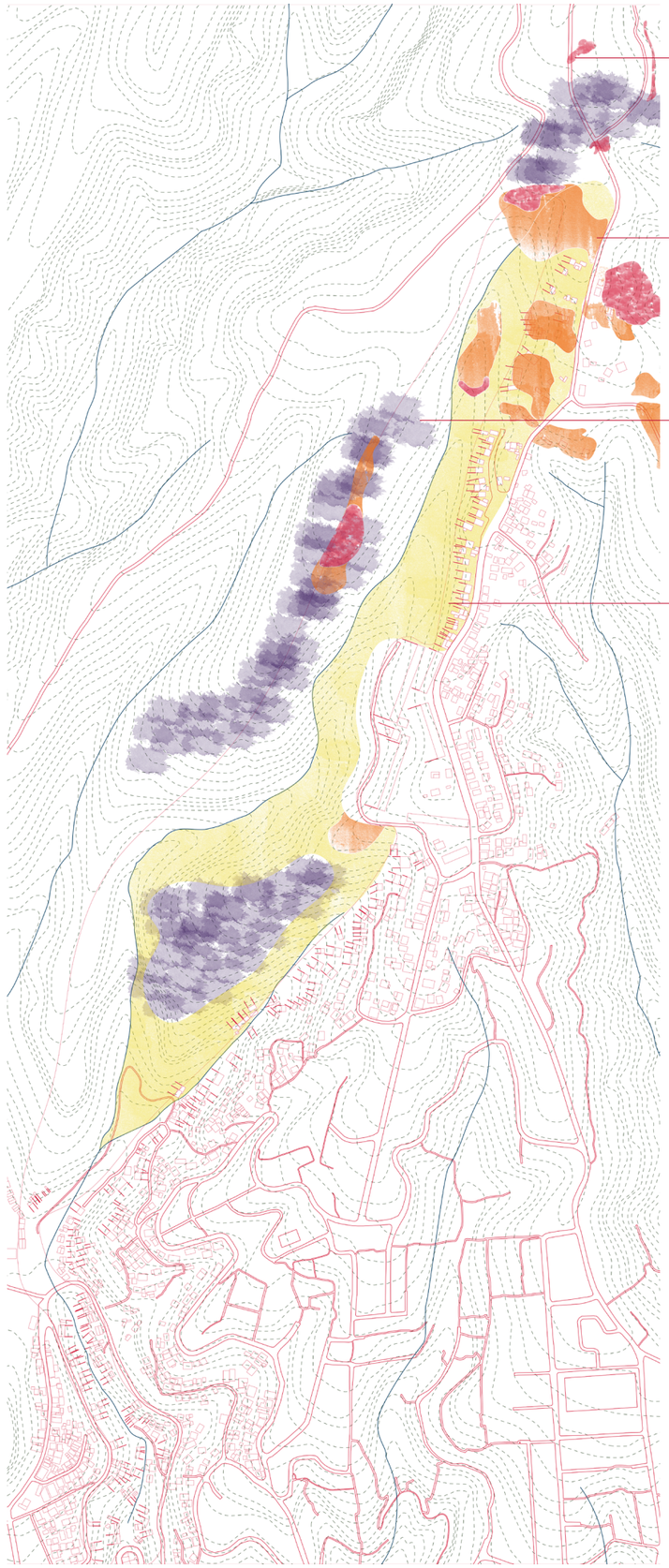
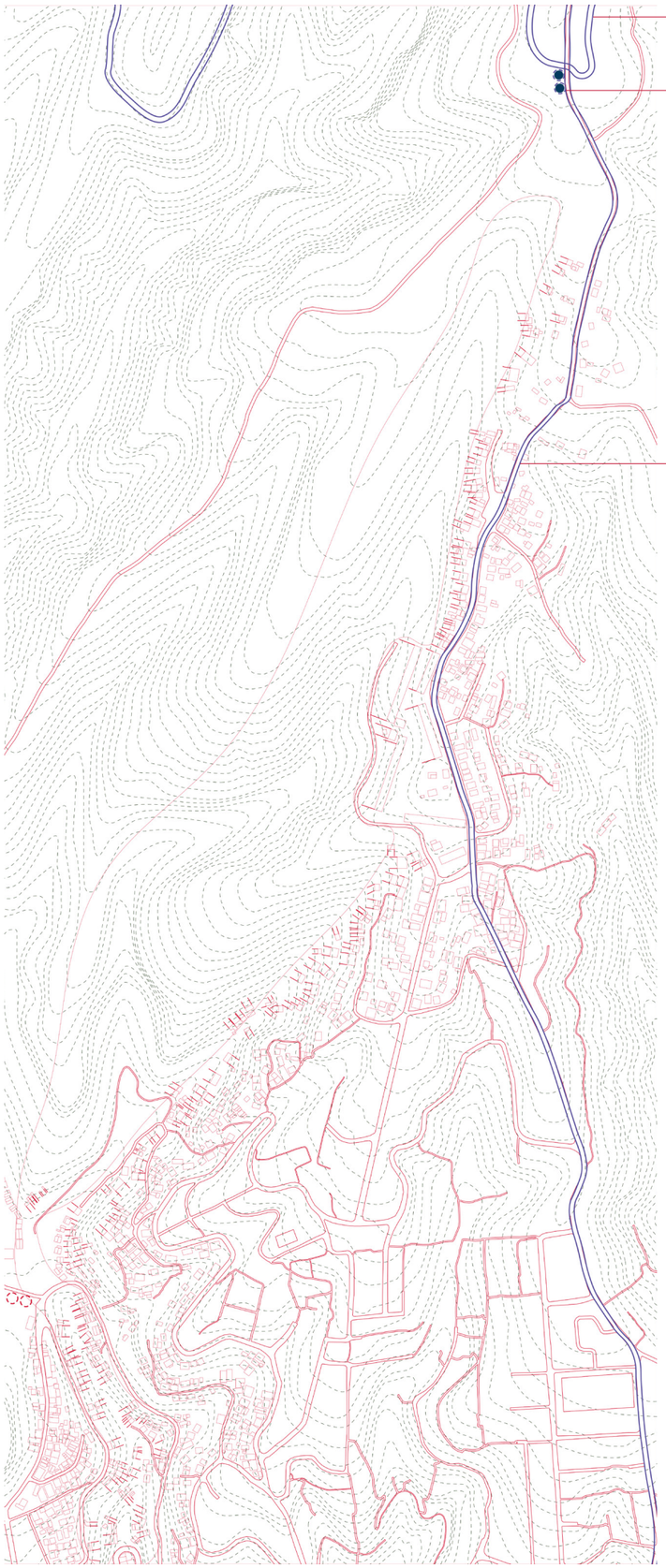




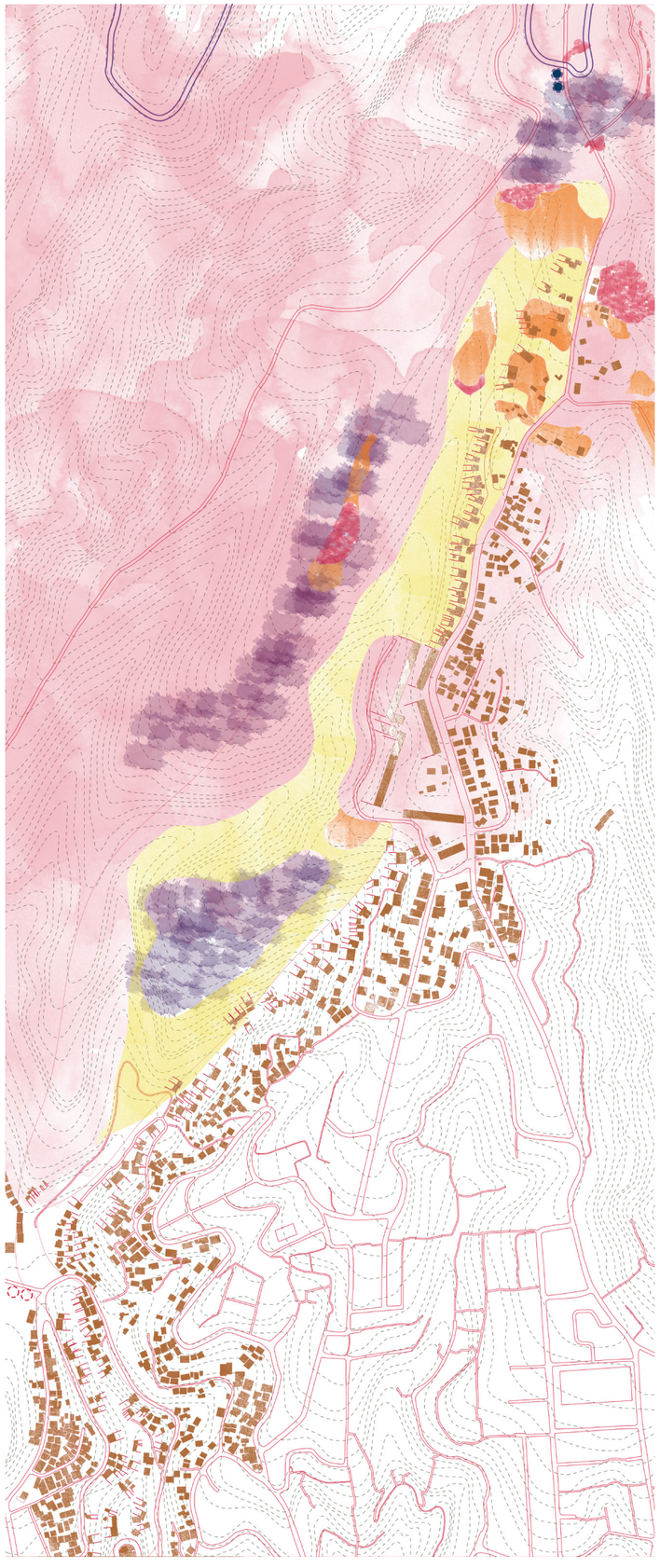

Dumpsite
Damaged earth
Plantation forest
Soil regeneration



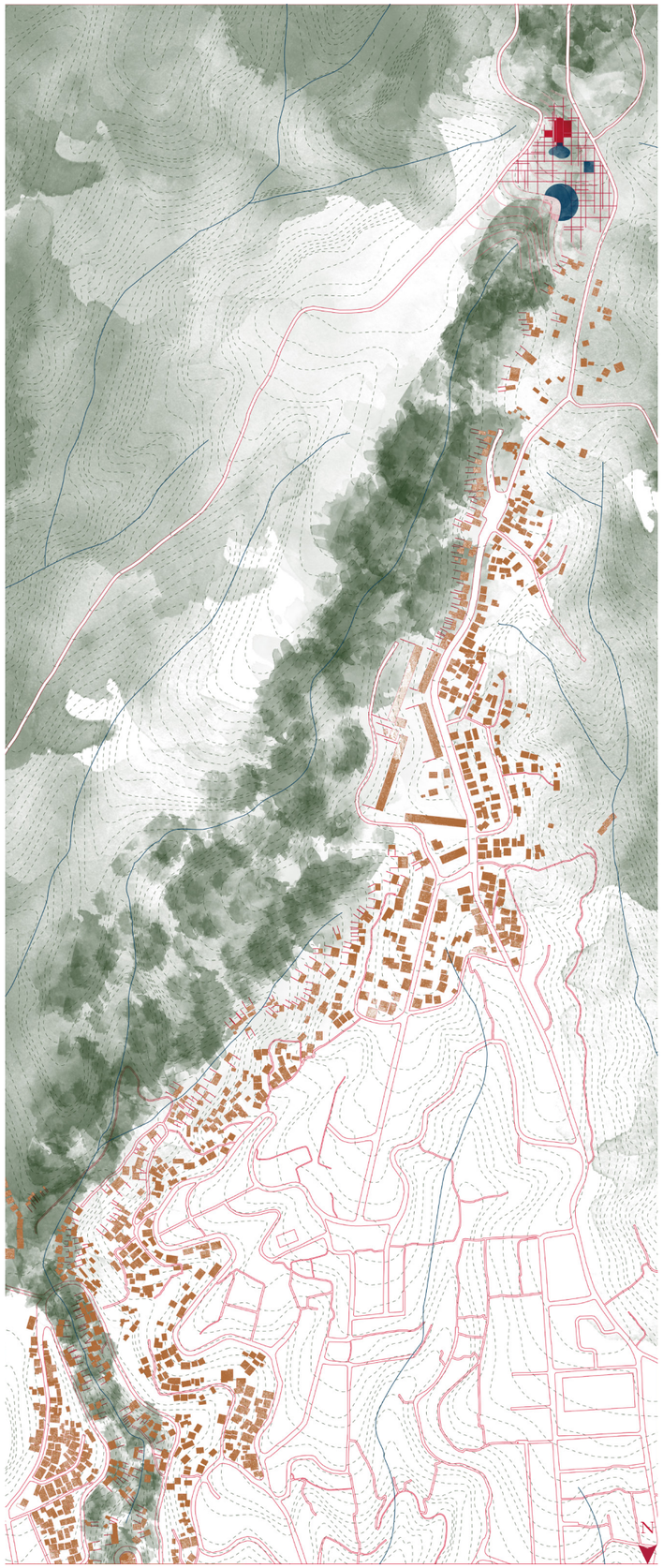
Provisioned acces road

Provisioned water resevoirs

El Vergel road



| NAME OF PROGRAMME | INSTITUTIONAL BODY | BASE OF FUNDING |
|---|---|---|
| Quiero mi barrio | Quiero mi barrio<br>Programa de Recuperación de Barrios | infrastructure projects such as sports and community equipment; In addition to green areas, pavements, lighting and housing, among other improvements |
| Fondo de Protección Ambiental | fpa fondo de protección ambiental | projects or activities oriented to the protection or repair of the environment, the sustainable development, the preservation of nature or the conservation of the environmental patrimony, such as decontamination and repair of wetland, quebrada |
| Capacidades Energías Renovables No Convencionales | UNDP | the formulation, administration, operation and maintenance of small-scale non-conventional renewable energy projects, forest management, sustainable growth, National Program Onuredd Chile - Support for Chile's National Climate Change and Vegetation Resources Strategy |
| Bonificación para proyectos de riego y drenaje | Ministerio de Obras Públicas<br>Gobierno de Chile | Promotion of Private Investment in Irrigation and Drainage Works grants subsidies to irrigation projects whose cost does not exceed UF.12,000, in the case of individual projects; nor exceed the UF.24.000 in the case of projects presented by organizations of irrigators |
| Sustainable Agriculture Program | INDAP<br>Ministerio de Agricultura | INDAP's Sustainable Agriculture Program is designed to promote the incorporation of environmentally sustainable practices and management into the productive systems of family farming |
| Water resources and Unconventional Renewable Energies | INDAP<br>Ministerio de Agricultura | This program allows small producers to finance their investments in irrigation and drainage to increase their productivity in a sustainable manner, improving the use of their water resources and taking advantage of available non-conventional renewable energies |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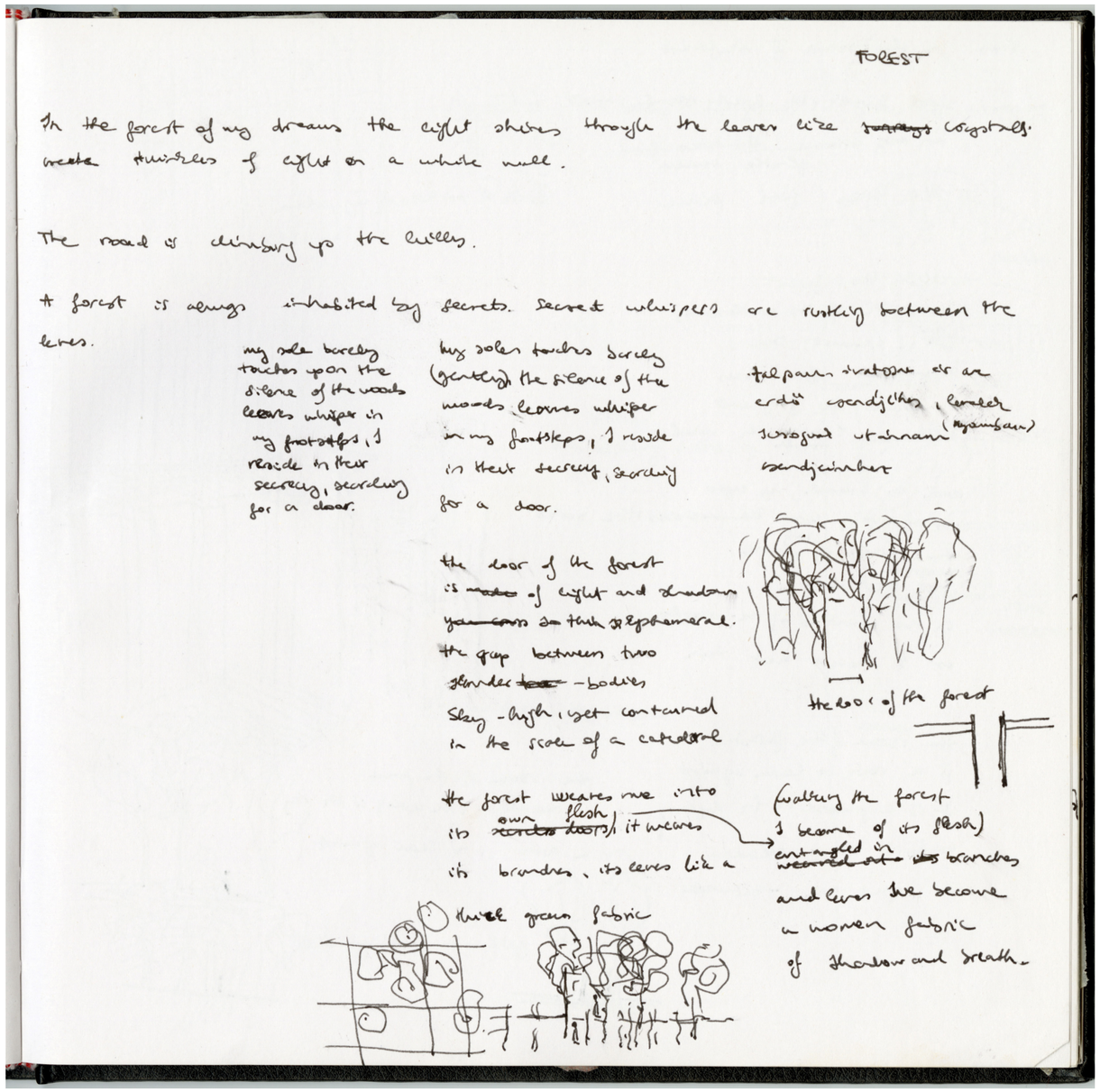



*my sole barely touches upon*
*the silence of the woods*
*leaves whisper in my footsteps*
*I reside in their secrecy*
*searching for a door*

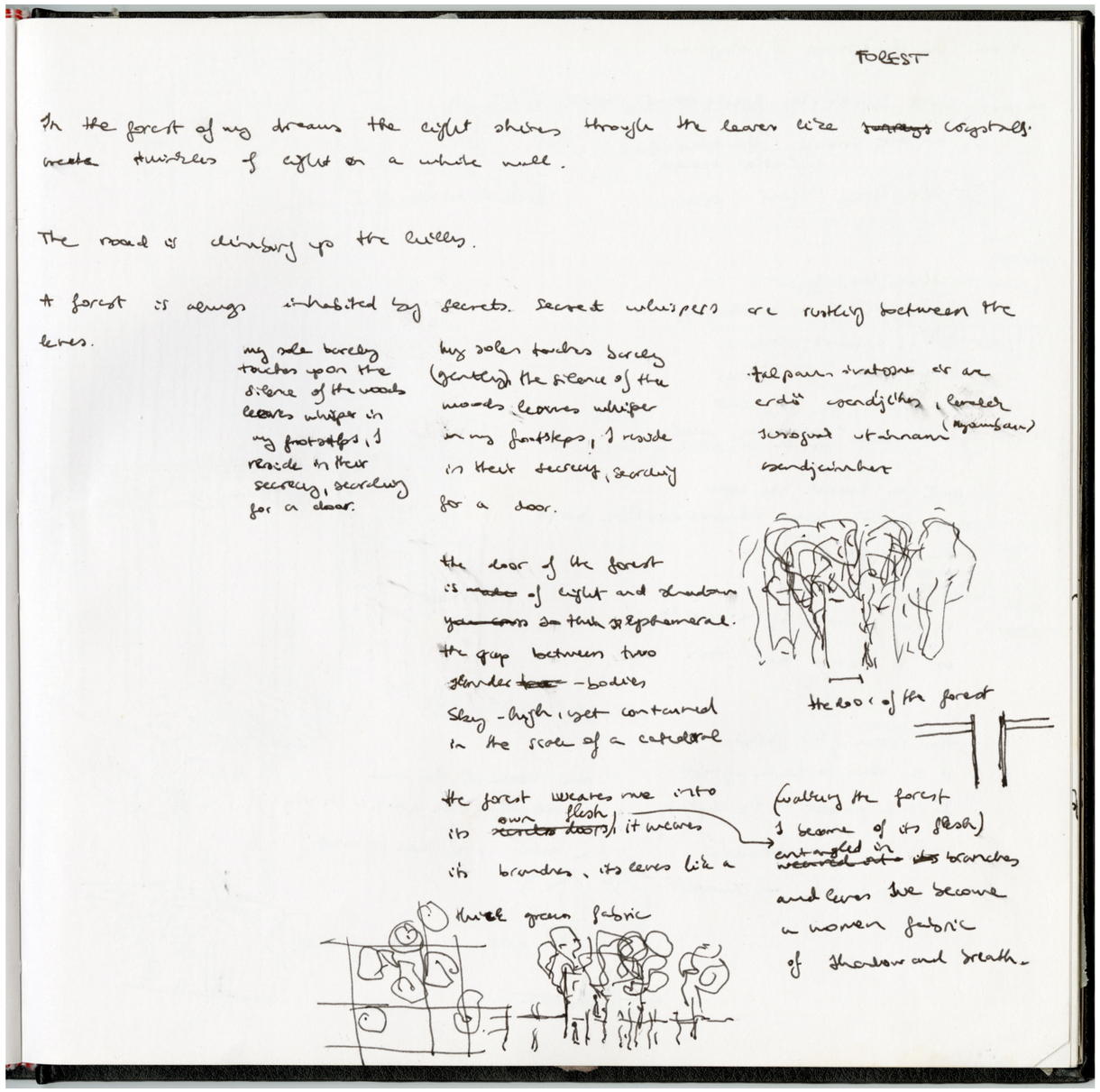
*the door of the forest*
*is of light and shadow*
*so thin, so ephemeral*
*the gap between two slender bodies*
*sky-high, yet contained*
*in the scale of a cathedral*

*the forest weaves me*
*into its own flesh*
*entangled in branches and leaves*
*we become a woven fabric*
*of shadow and breath*

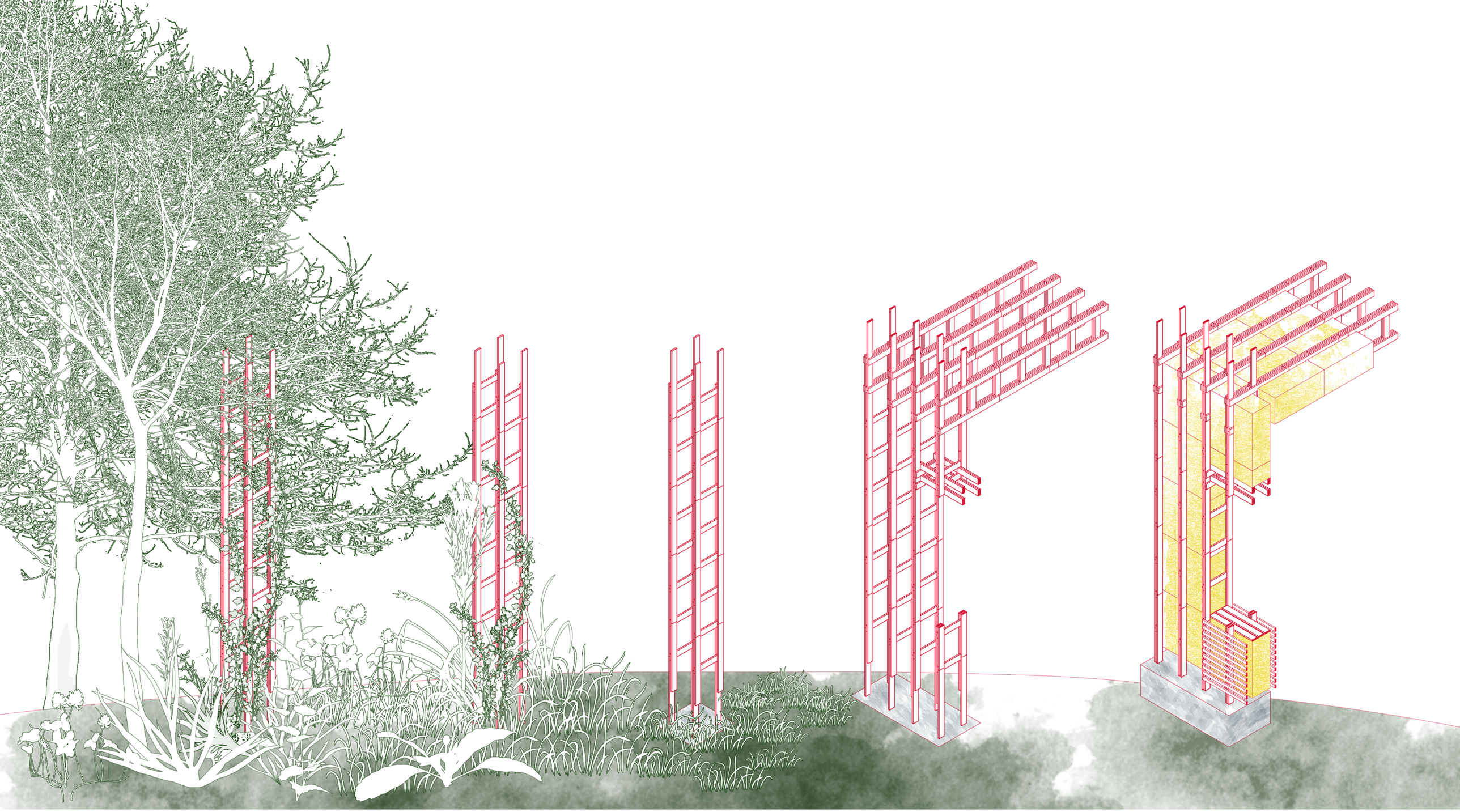
*the room of the forest*
*is a rock to lean against*
*it is a pause in the rhythm of trees*
*and it is a meadow*
*a space in-between*

*walking the forest*
*I'm aware of its endlessness*
*even though I cannot see*
*beyond a few trees*
*I'm walking the fragment*
*and so, I touch the whole*

*and as I walk, my eyes*
*unconsciously caress the barks*
*the lines of my palms*
*recognize their kin*
*in the wrinkles of the woods*
*as I touch their skin*




*the forest weaves me*
*into its own flesh*
*entangled in branches and leaves*
*we become a woven fabric*
*of shadow and breath*”



*Nature*

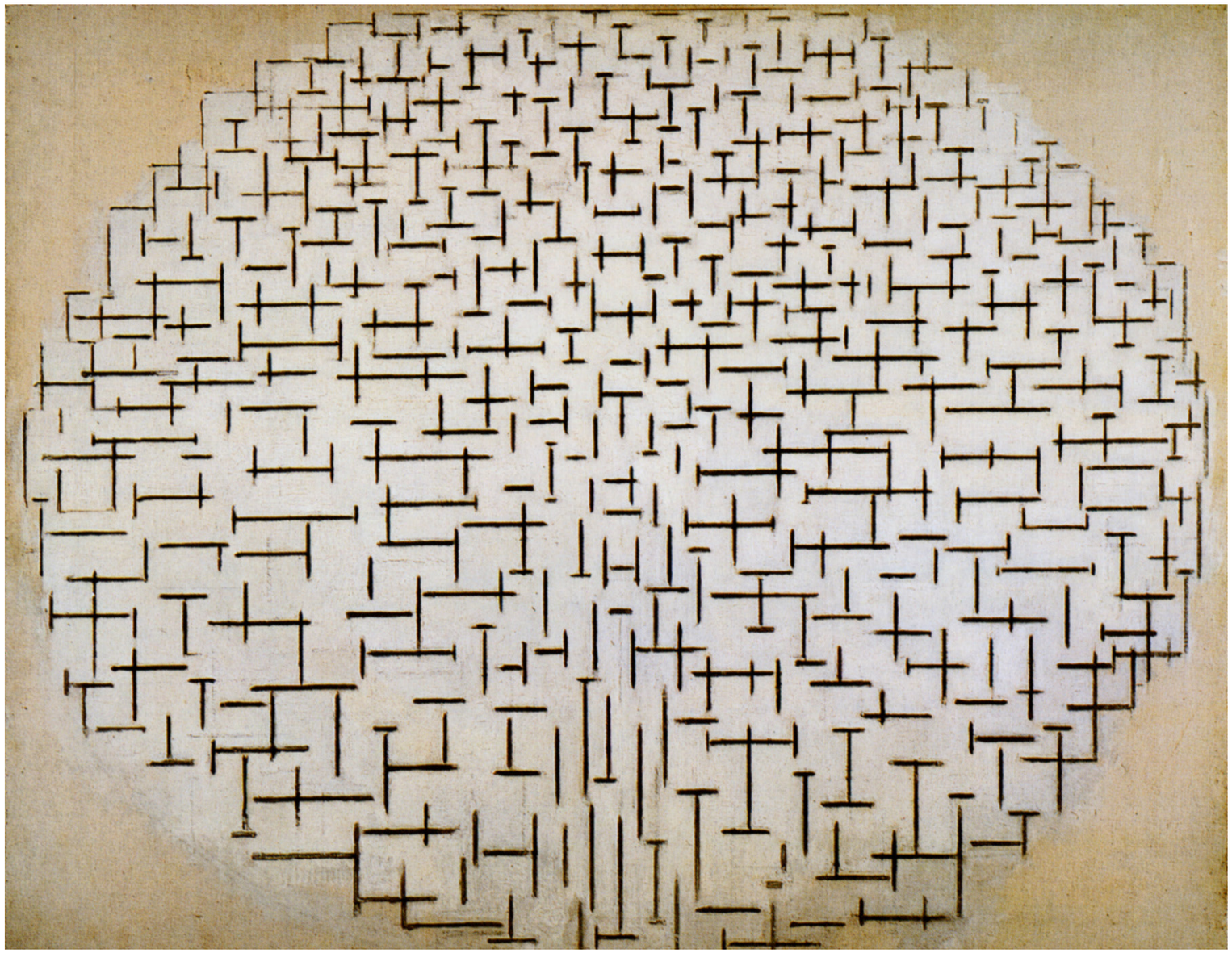
*Culture*

*Timber plank*
*22x100x1200mm*

*Strawbale*
*36x46x100cm*

*Clay rich soil*
*from the site*

*Granit*
*from the site*



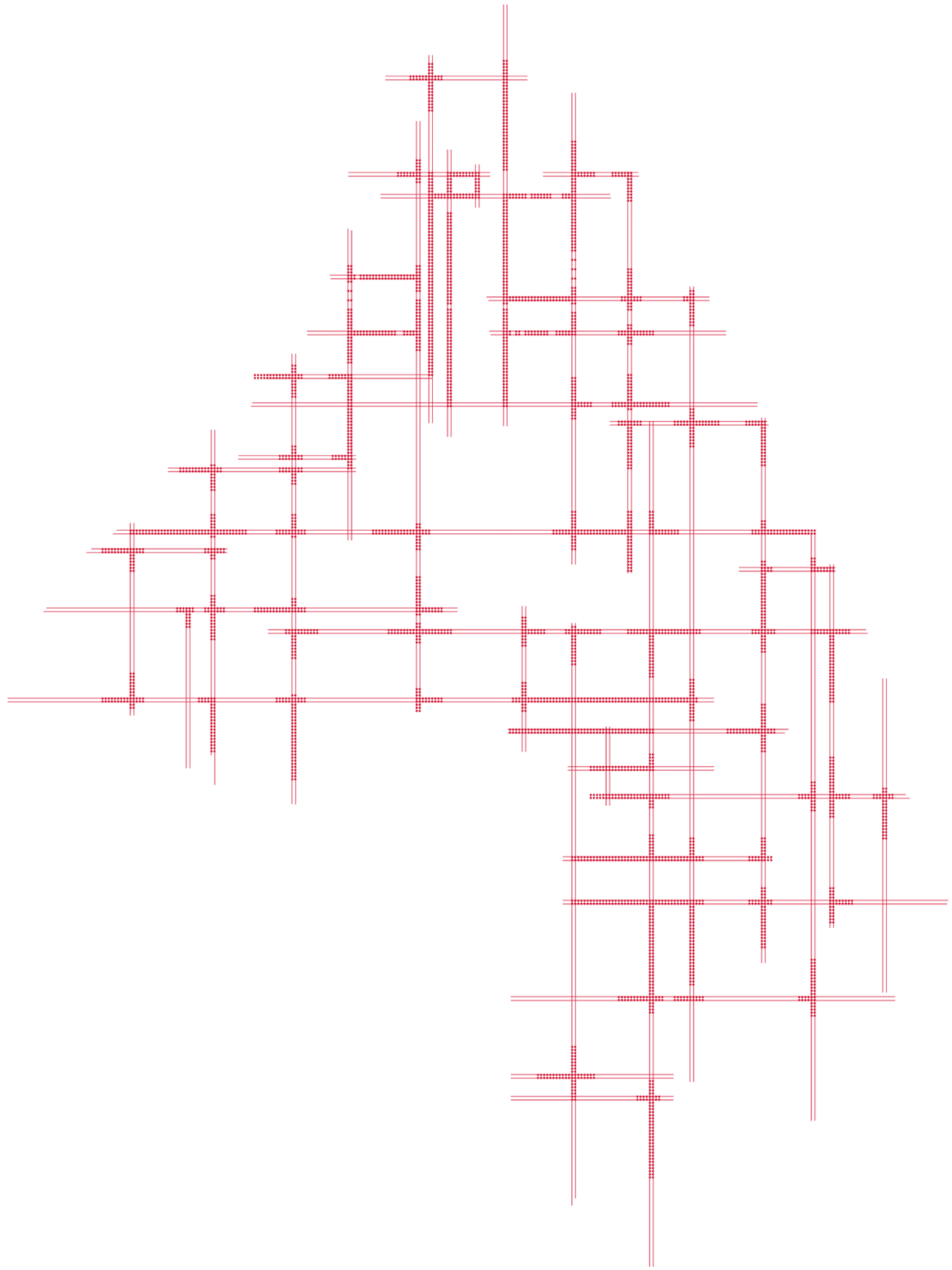
Composition No. 10 Pier and ocean by Piet Mondrian

*Pier and ocean*

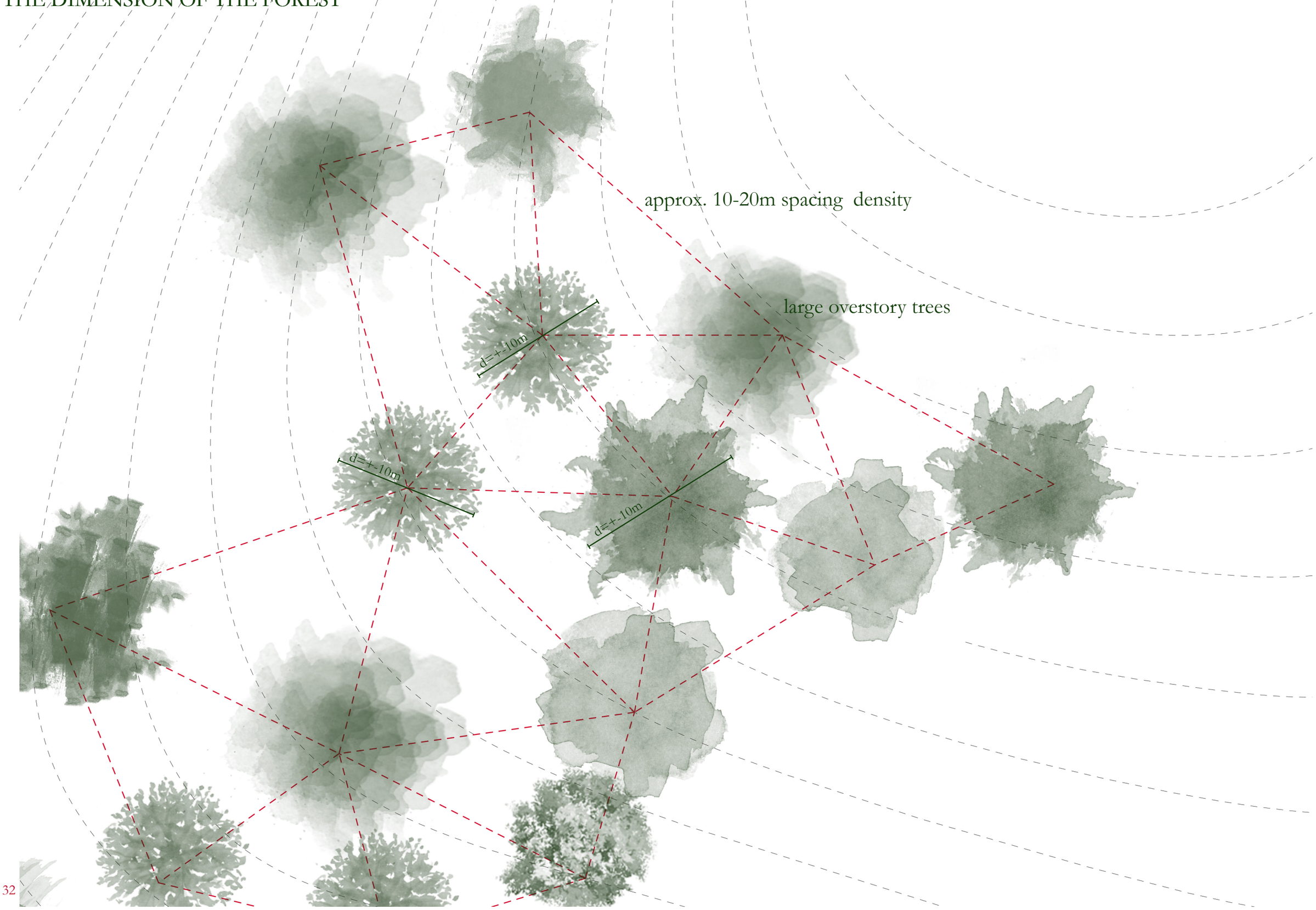
*the waves break on the surface*
*the pier pierces the water*
*the water remains whole*
*fluidity is unbreakable*

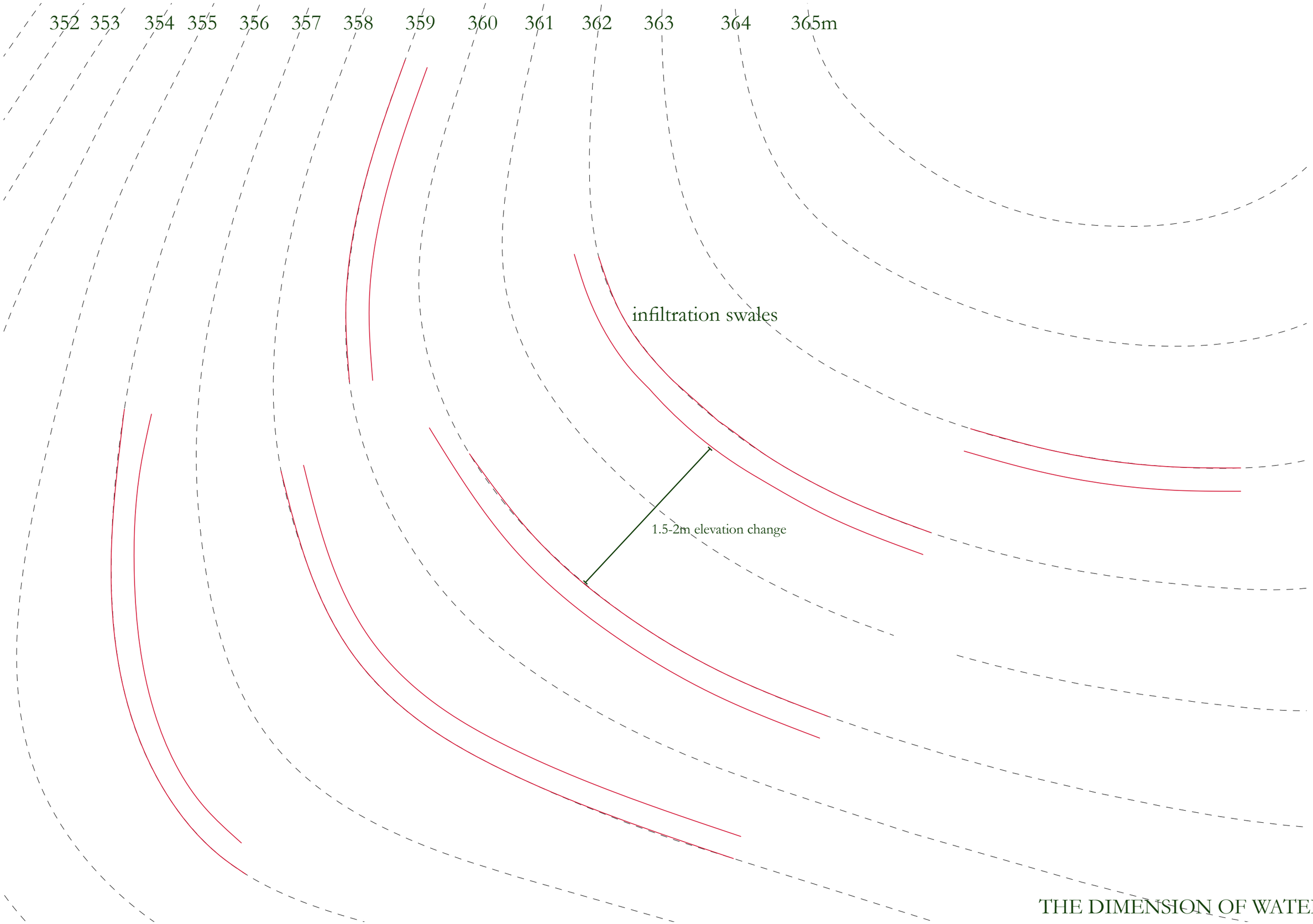
*the lines pulsate, expand-contract*
*it is a tension of two*
*it is a dance between the web and the forest*
*the forest is unpierceable*

*as the waves swept the pier*
*the foliage spread the web*
*the rhythm of nature and built*
*merged into a single landscape*



# THE DIMENSION OF THE FOREST




352
353
354
355
356
357
358
359
360
361
362
363
364
365m
infiltration swales
1.5-2m elevation change

352 353 354 355 356 357 358 359 360 361 362 363 364 365m

approx. 10-20m spacing density

infiltration swales

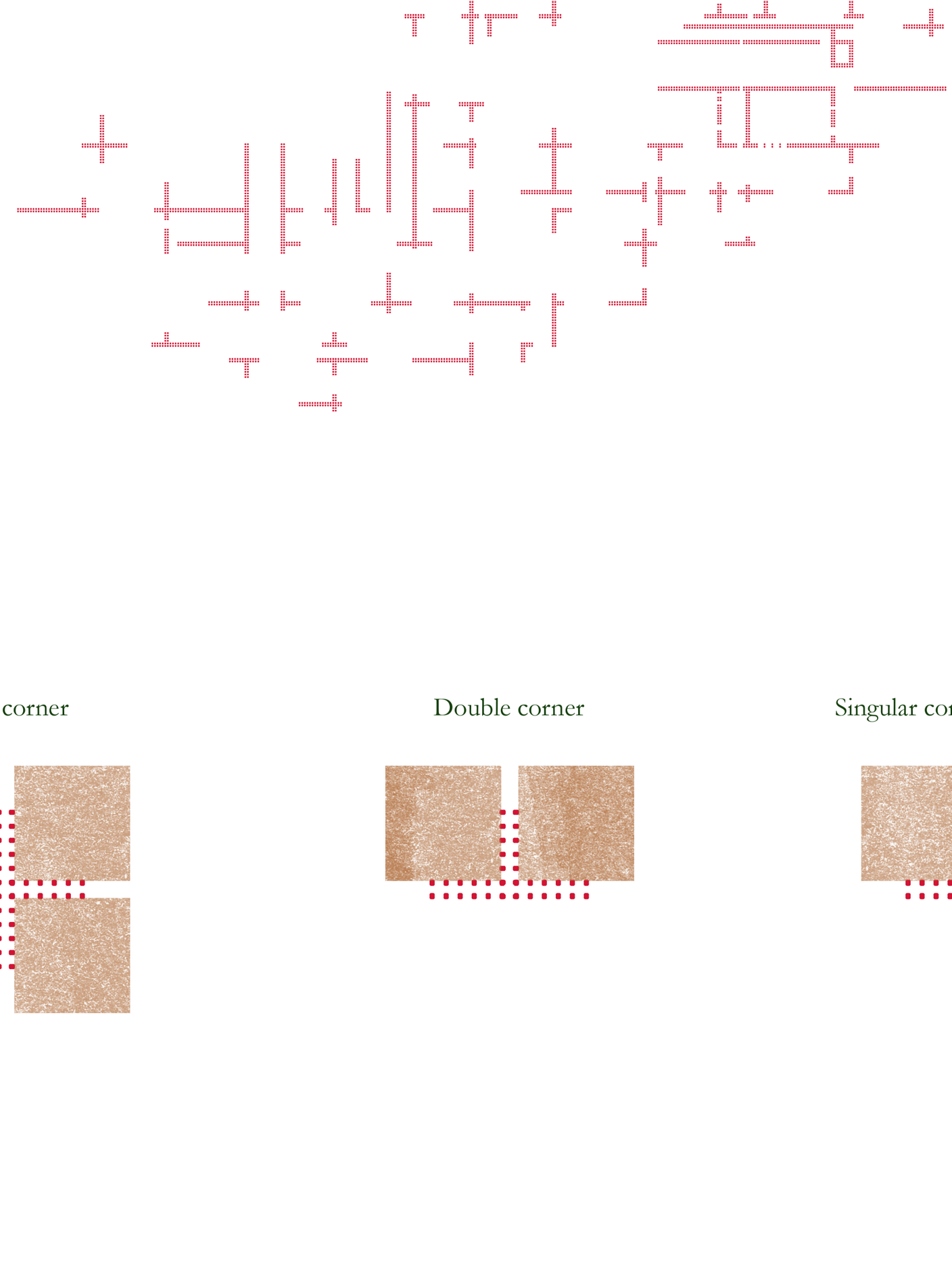
large overstory trees

d=+-10m

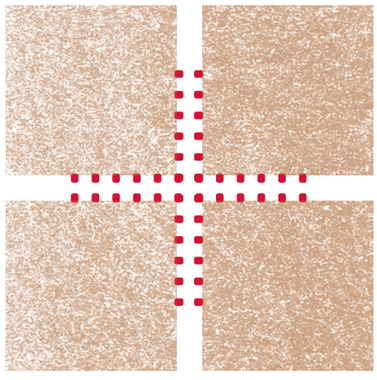
d=+-10m

d=+-10m

1.5-2m elevation change



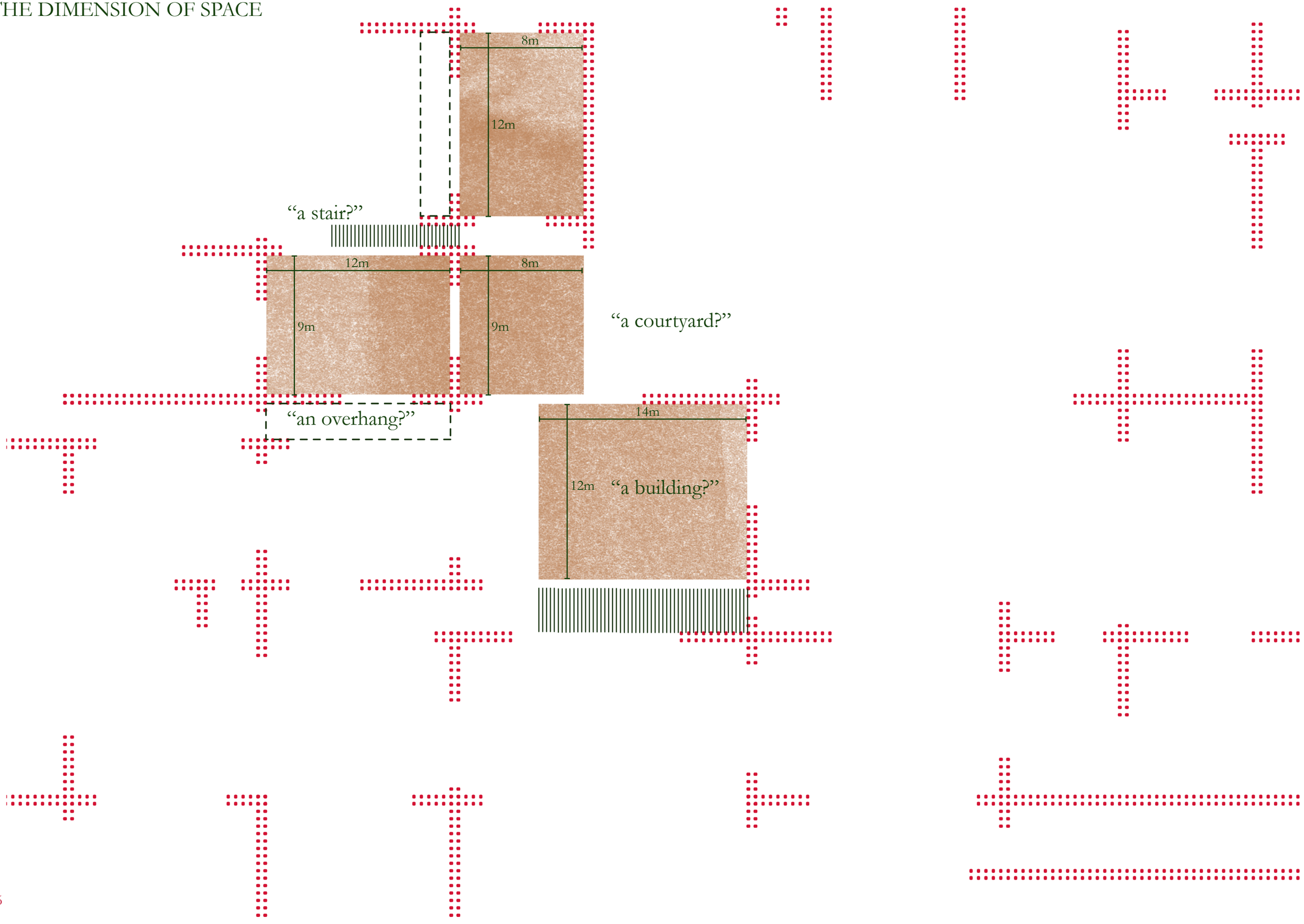
Four-fold corner

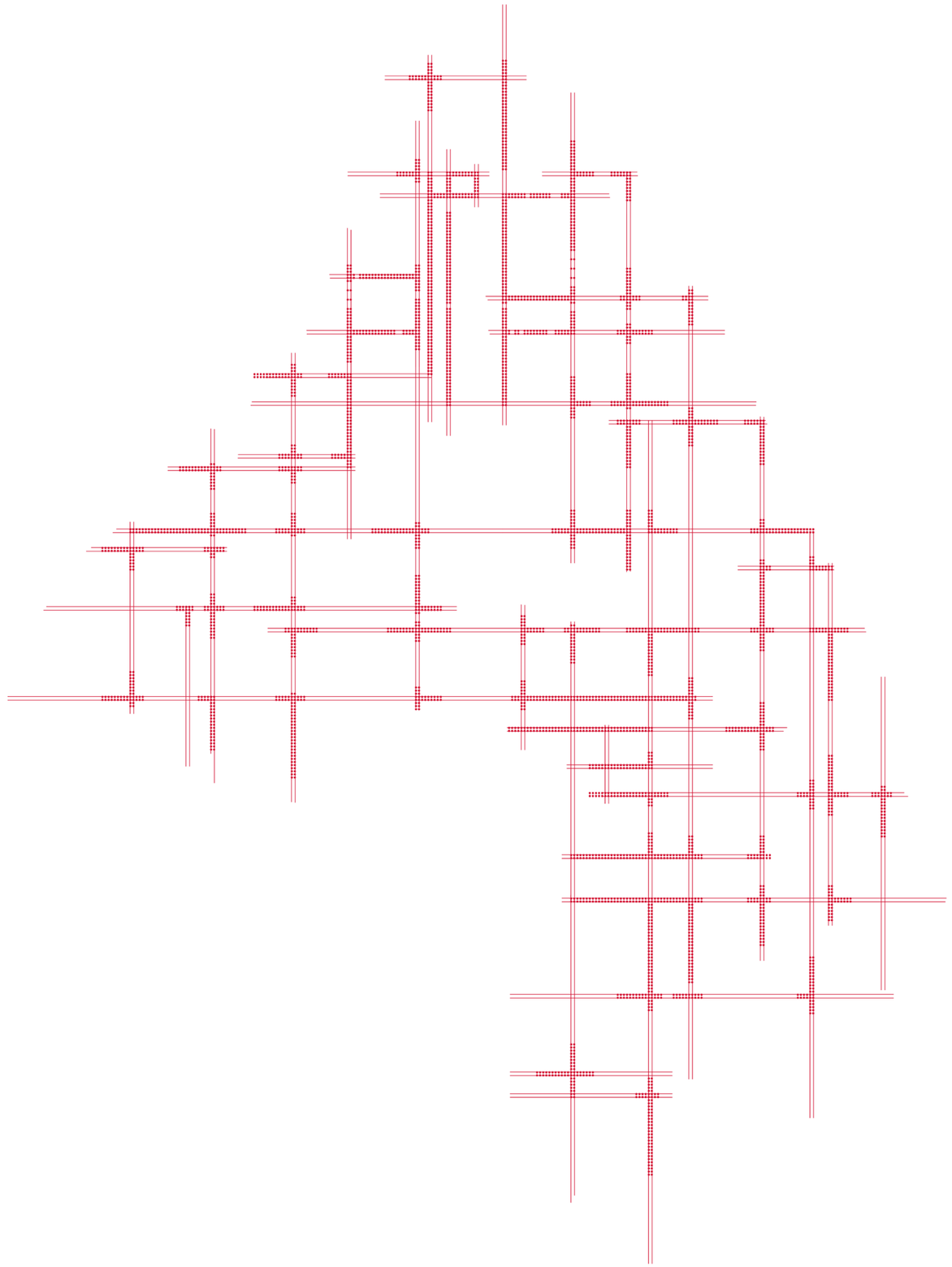


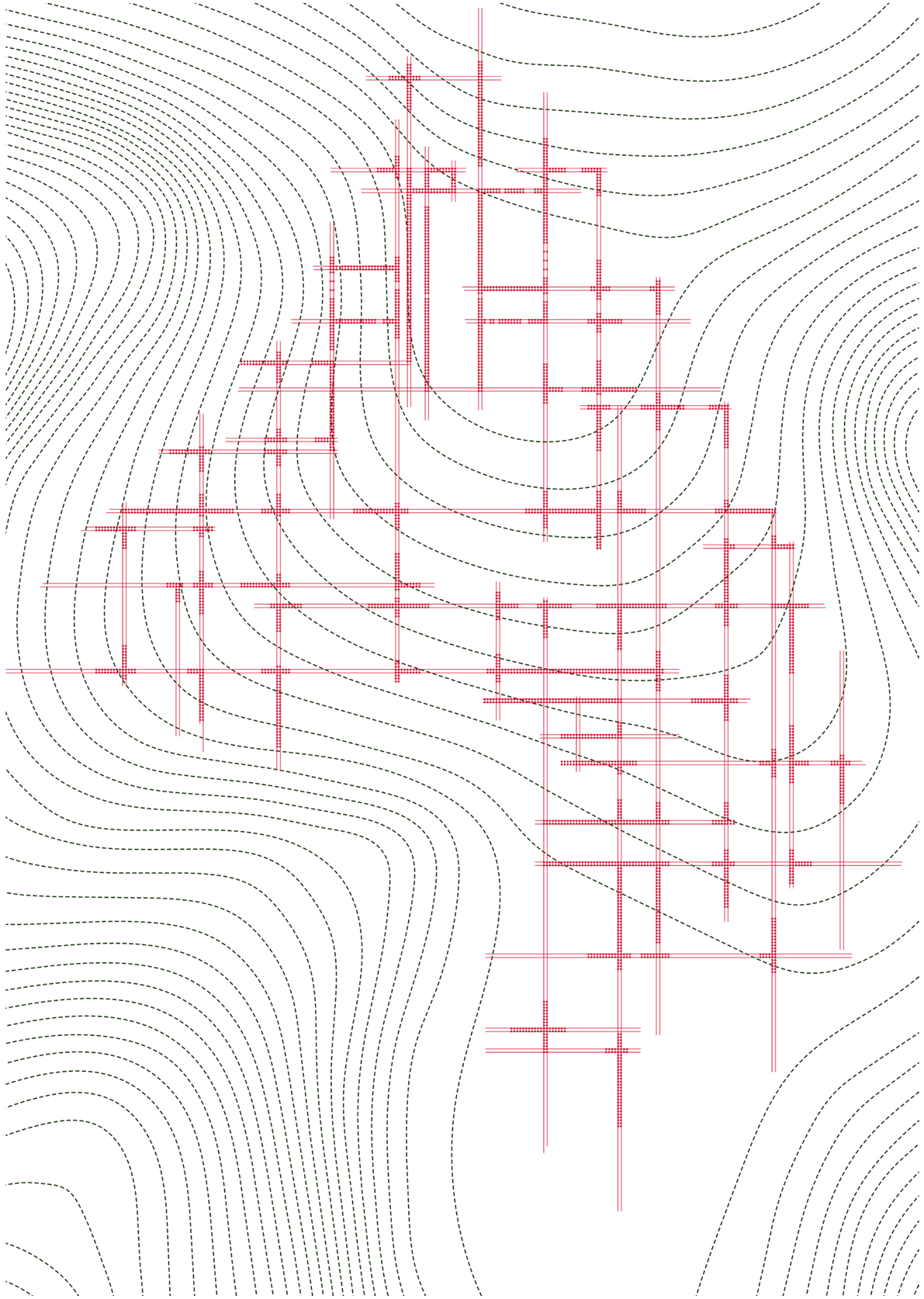
Double corner

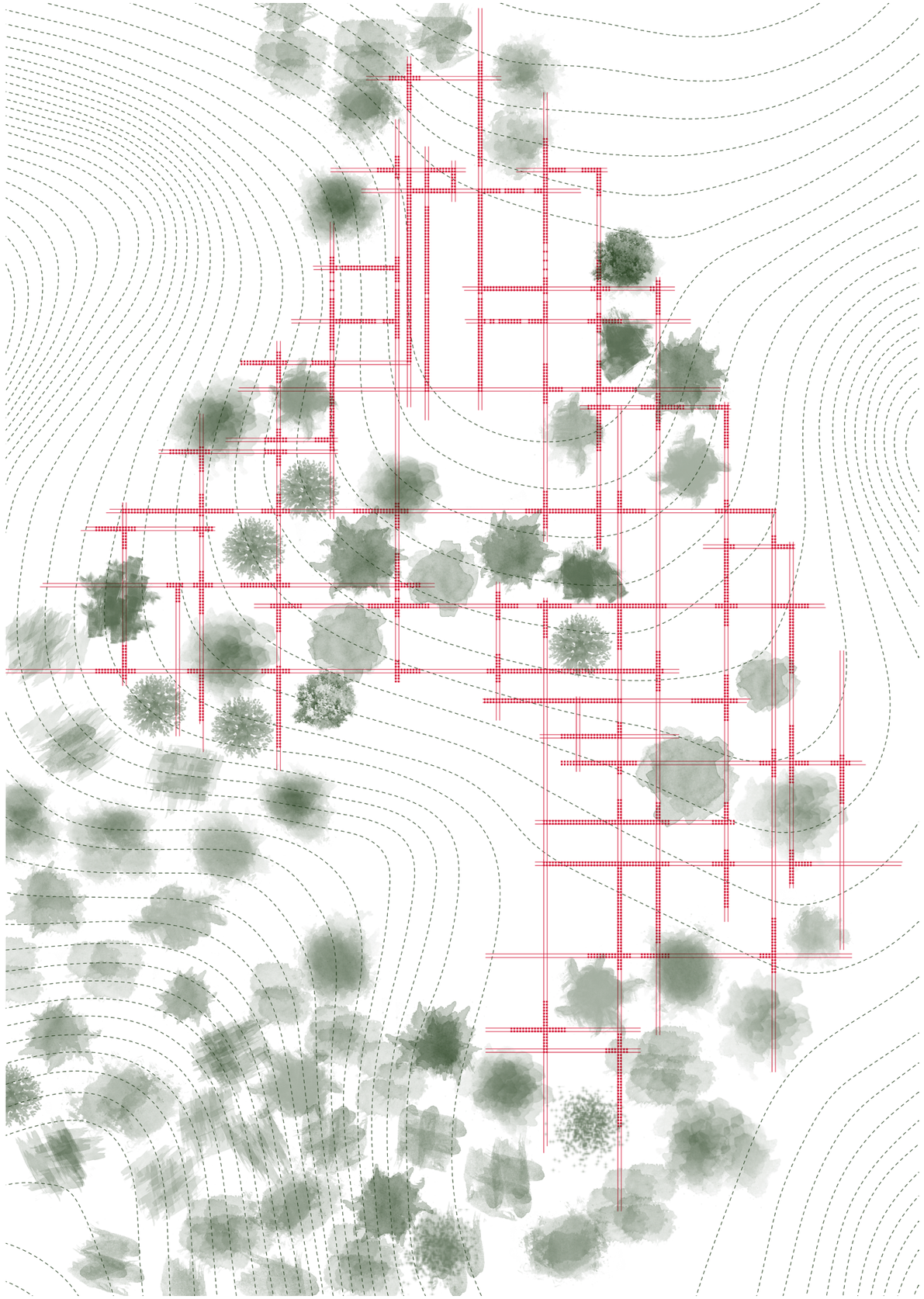


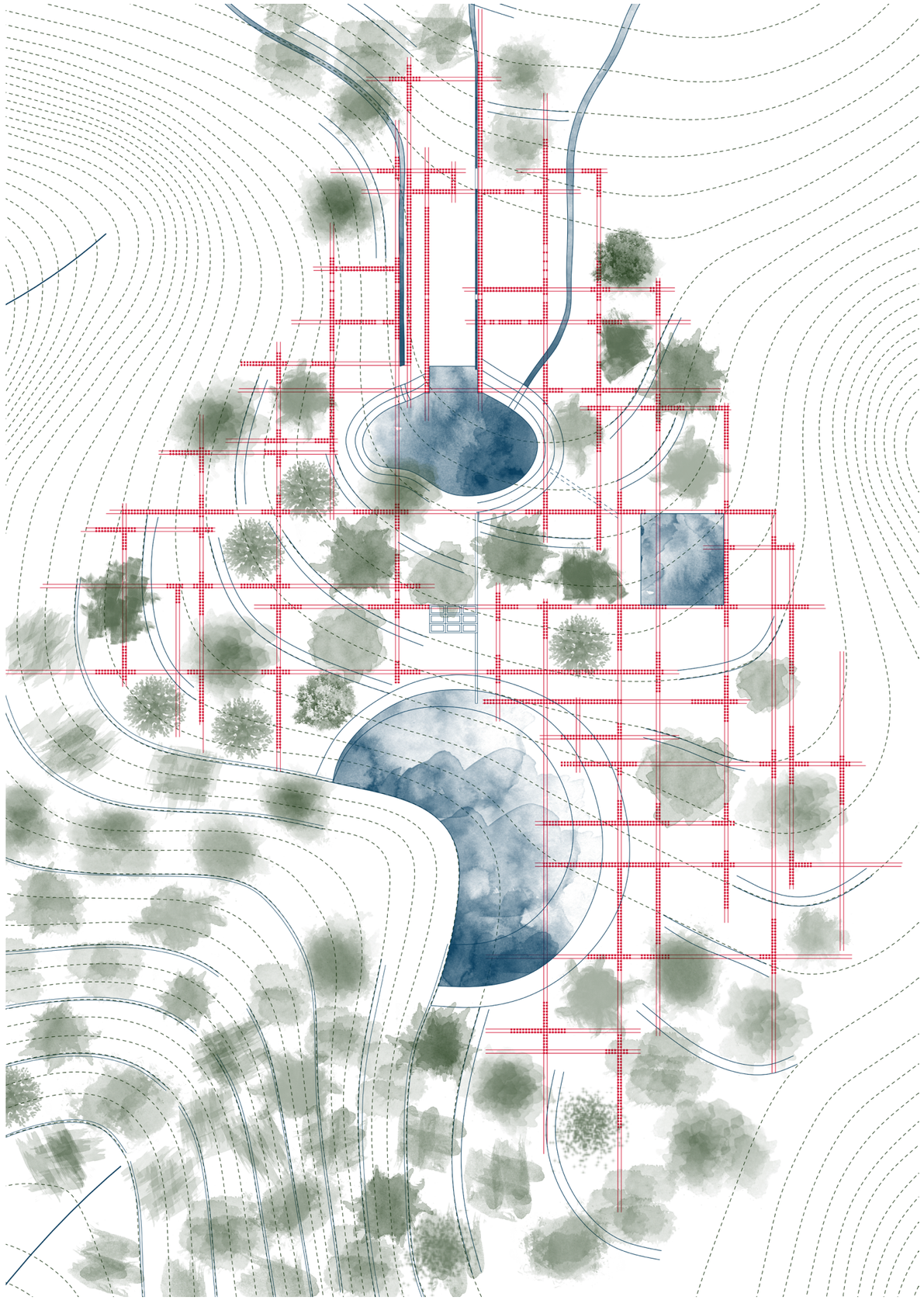
Singular corner

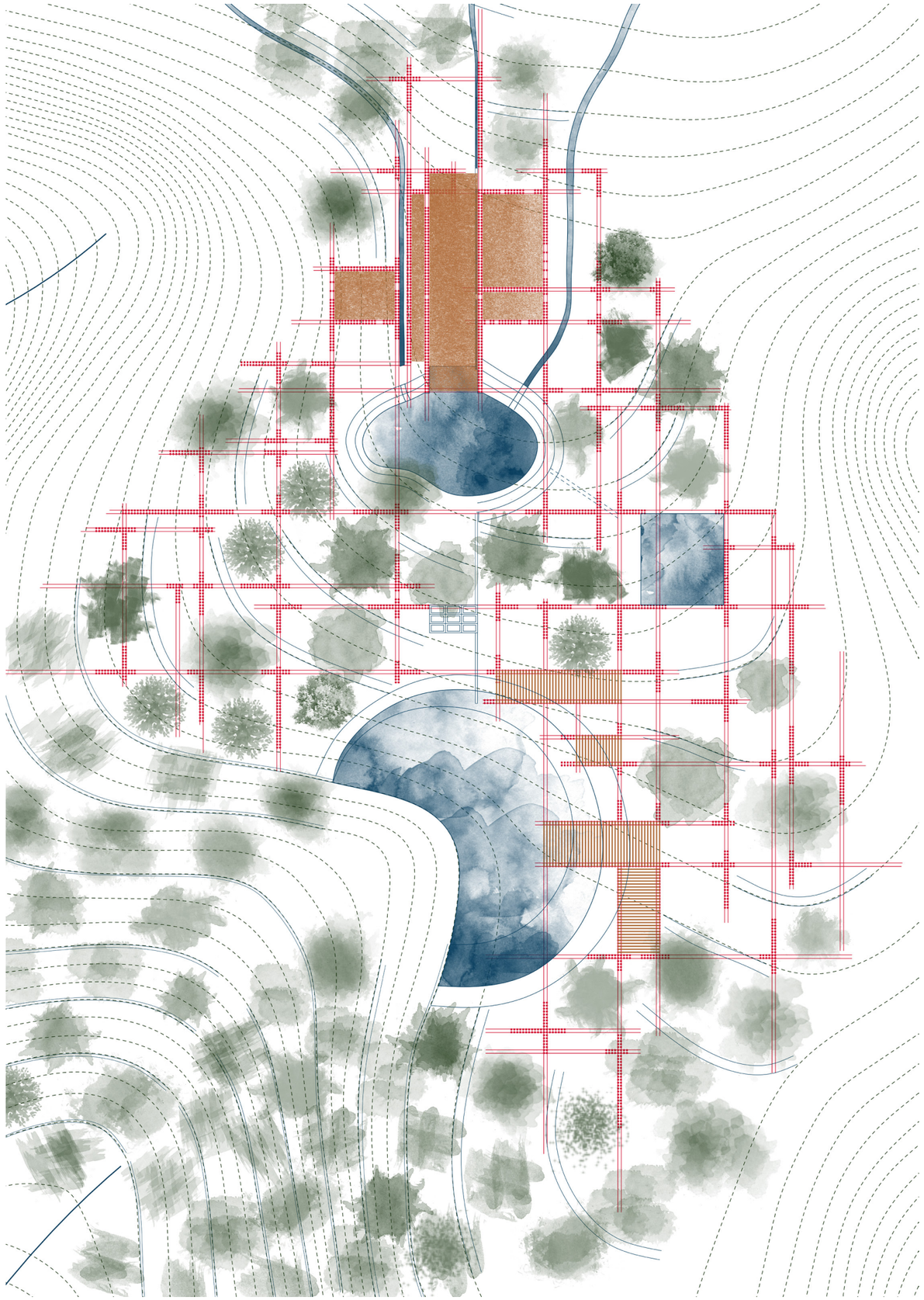

8m
12m
“a stair?”
12m
9m
8m
9m
“a courtyard?”
“an overhang?”
14m
12m
“a building?”

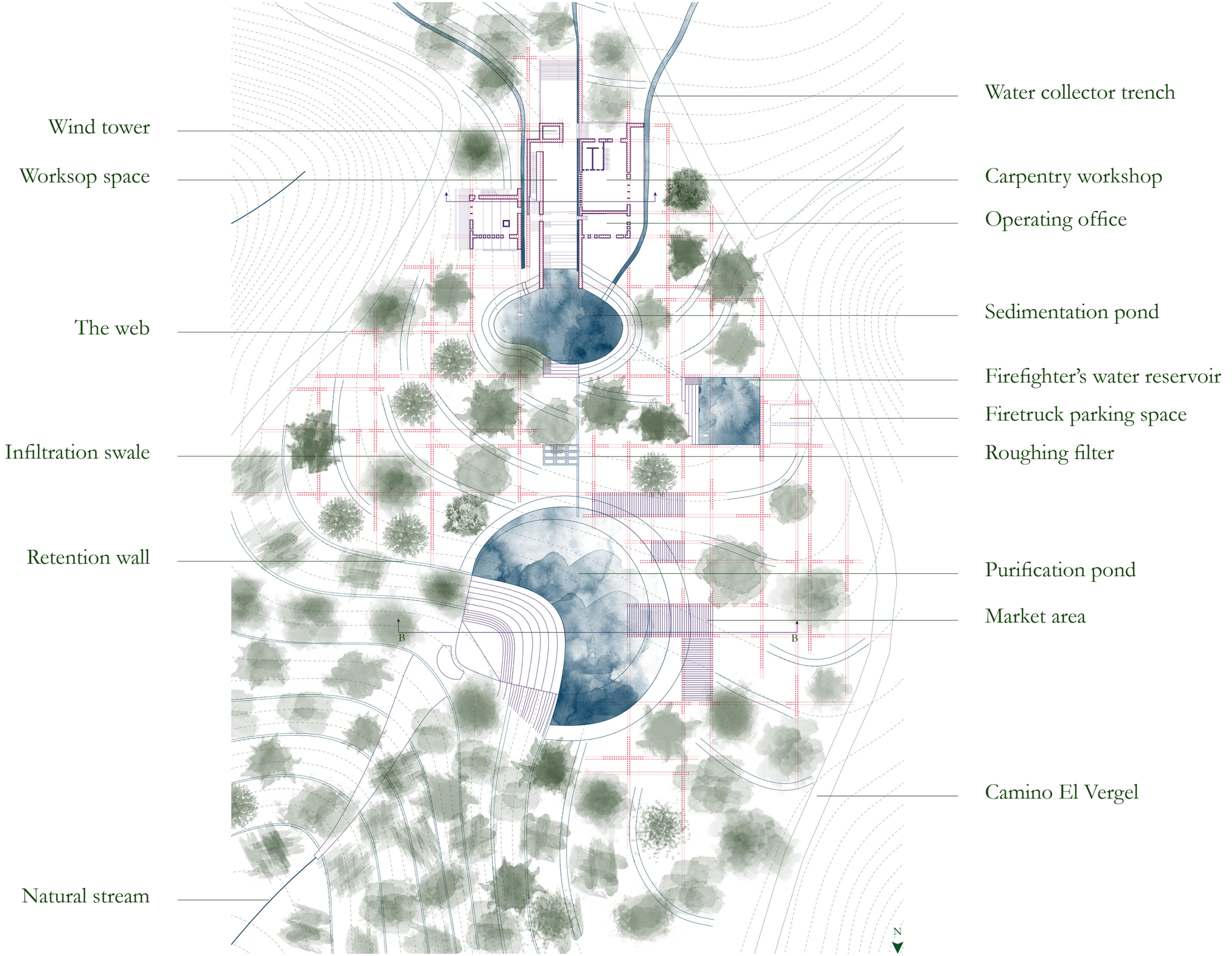




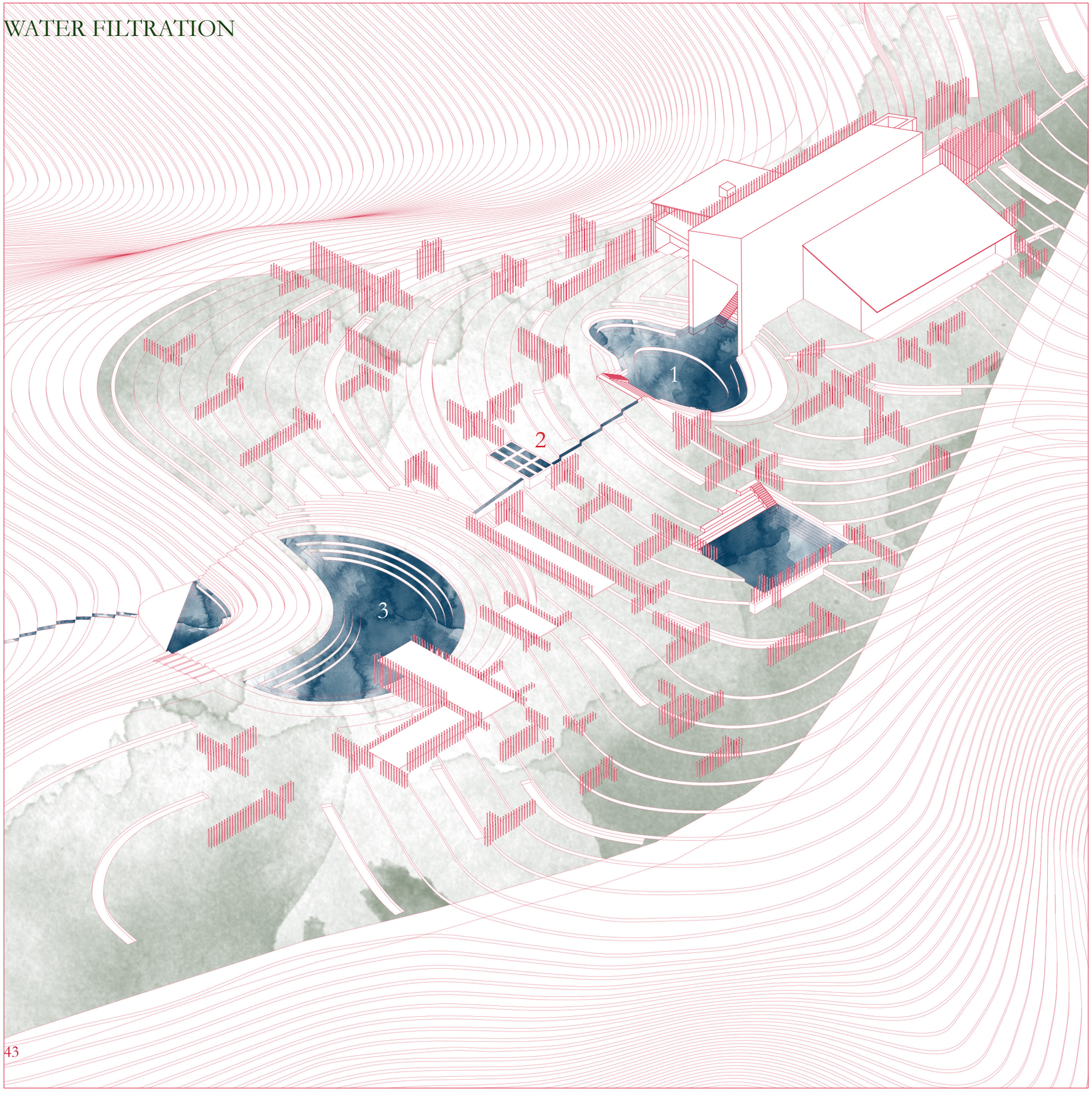




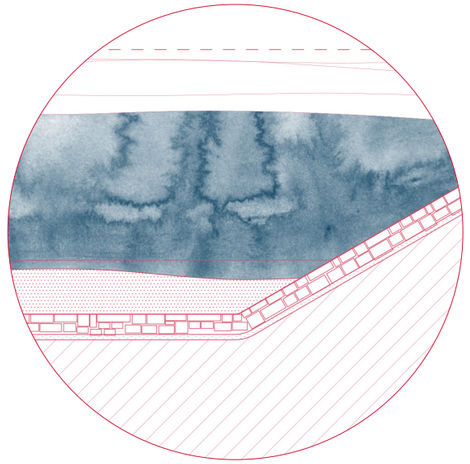



Wind tower
Worksop space
The web
Infiltration swale
Retention wall
Natural stream
Water collector trench
Carpentry workshop
Operating office
Sedimentation pond
Firefighter's water reservoir
Firetruck parking space
Roughing filter
Purification pond
Market area
Camino El Vergel
B
B
N

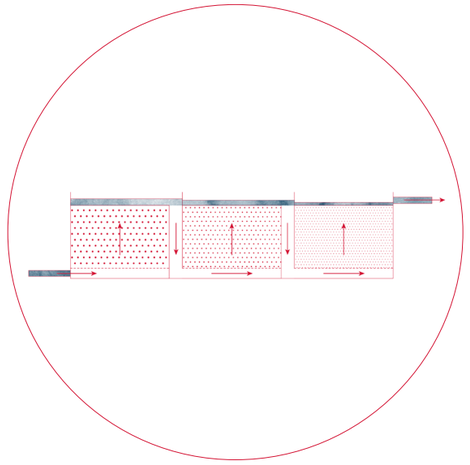
# WATER FILTRATION



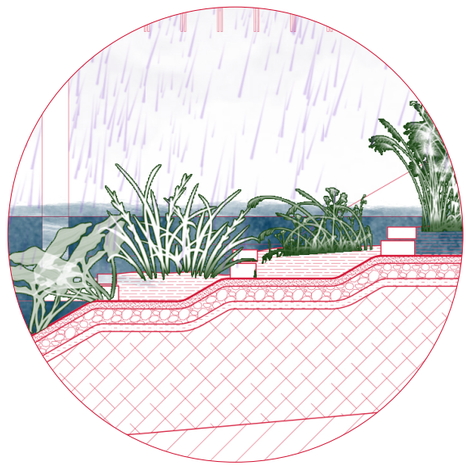

## 1. Sedimentation

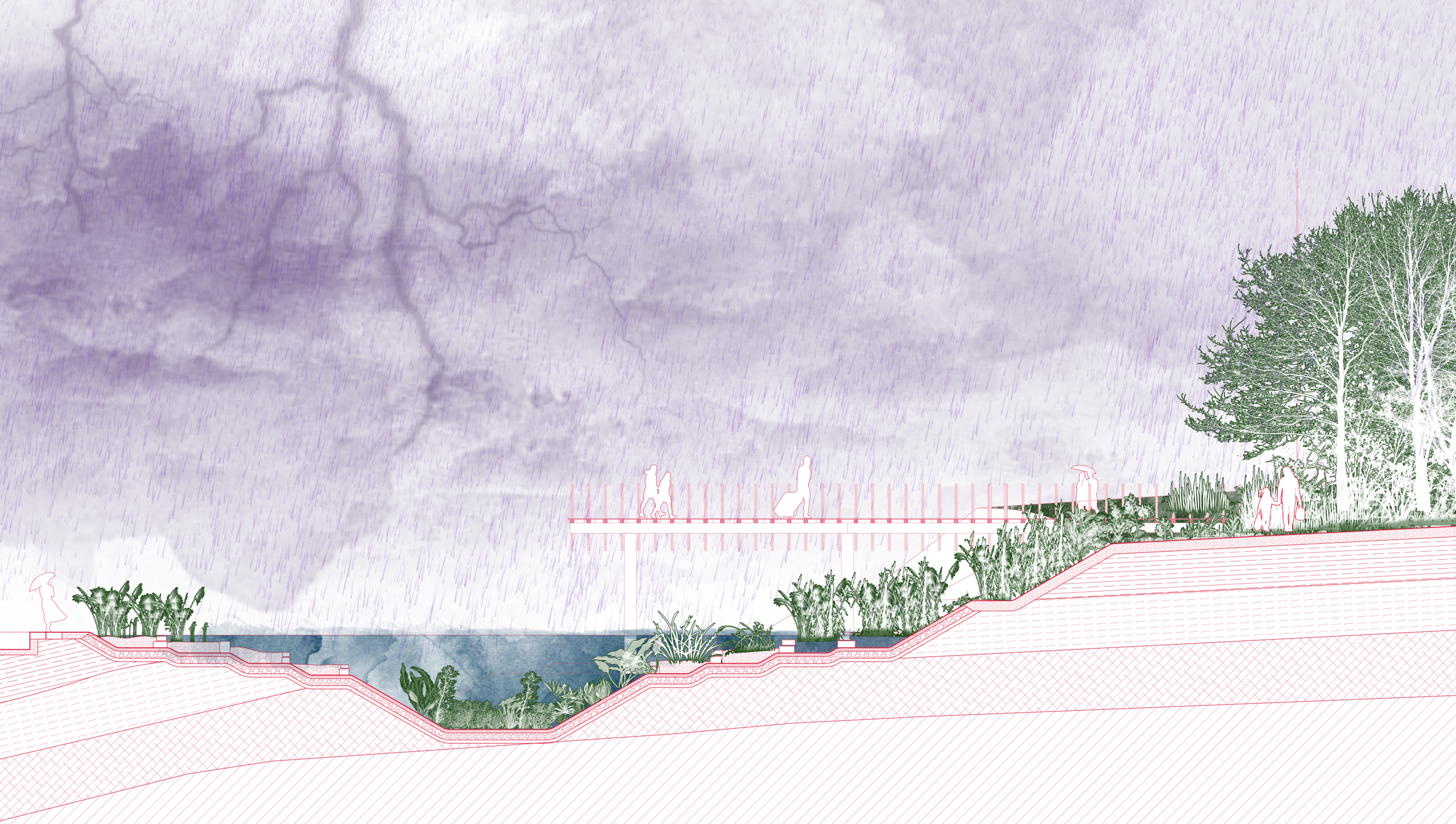


## 2. Roughing filtration



## 3. Natural pond filtration

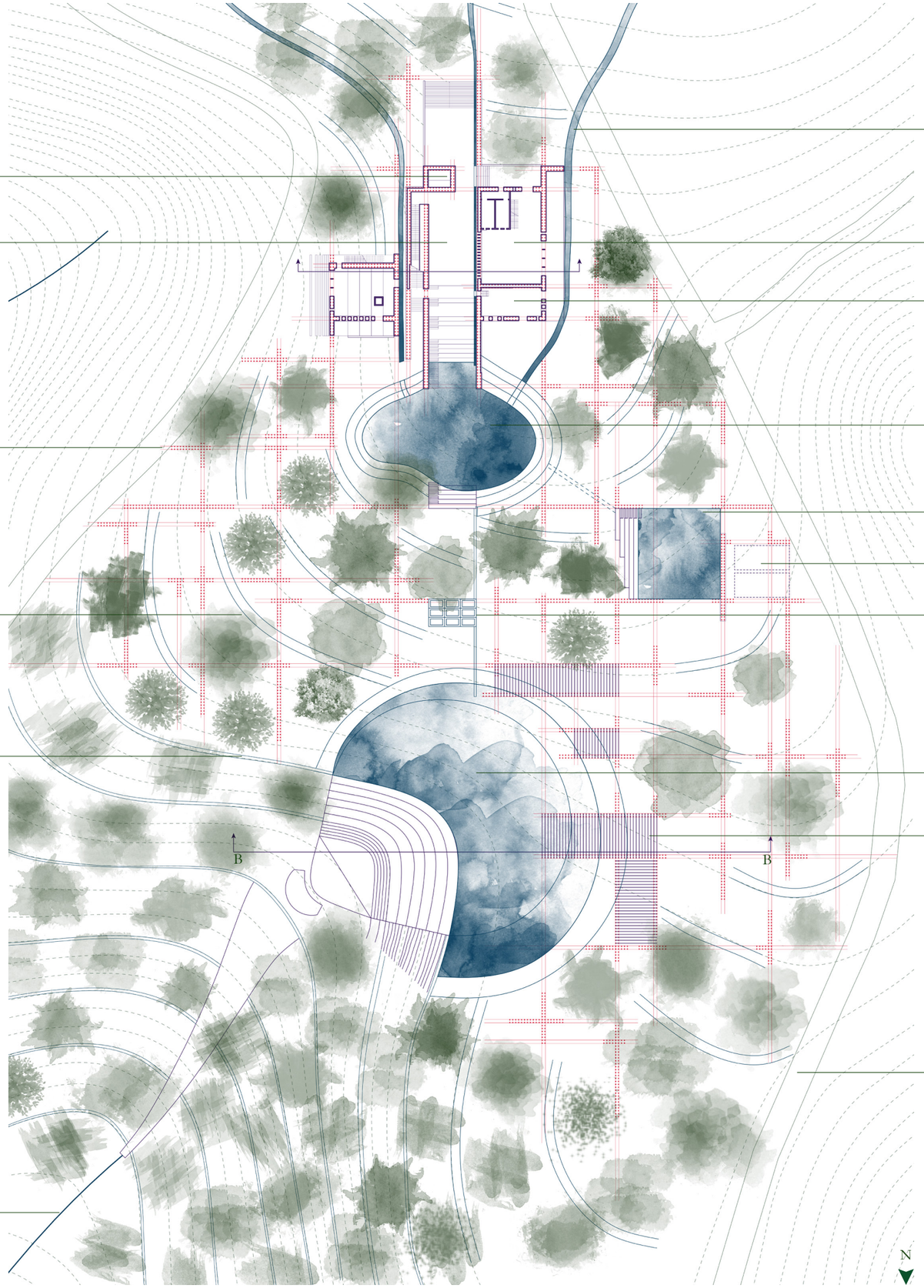






Purification pond with market area, Section BB

# SITE PLAN




Wind tower

Worksop space

The web

Infiltration swale

Retention wall

Natural stream

Water collector trench

Carpentry workshop

Operating office

Sedimentation pond

Firefighter's water reservoir

Firetruck parking space

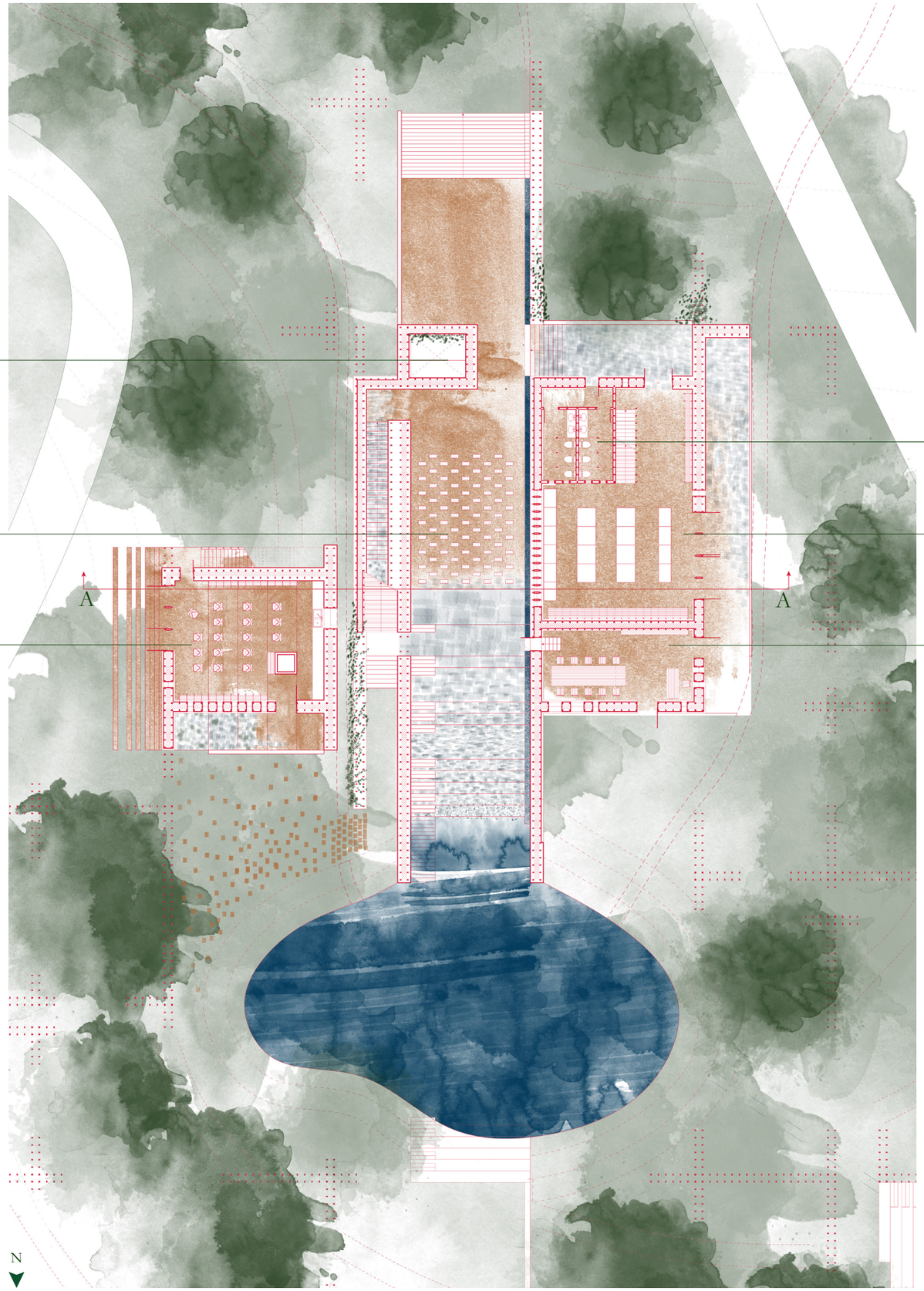
Roughing filter

Purification pond

Market area

Camino El Vergel

# GROUND FLOOR PLAN




Wind tower

Large workshop space

Pottery studio

Composting toilets

Carpentry workshop

Operating office, meeting room





Section AA

## FLOOR +1

Library semi-outdoor entry hall

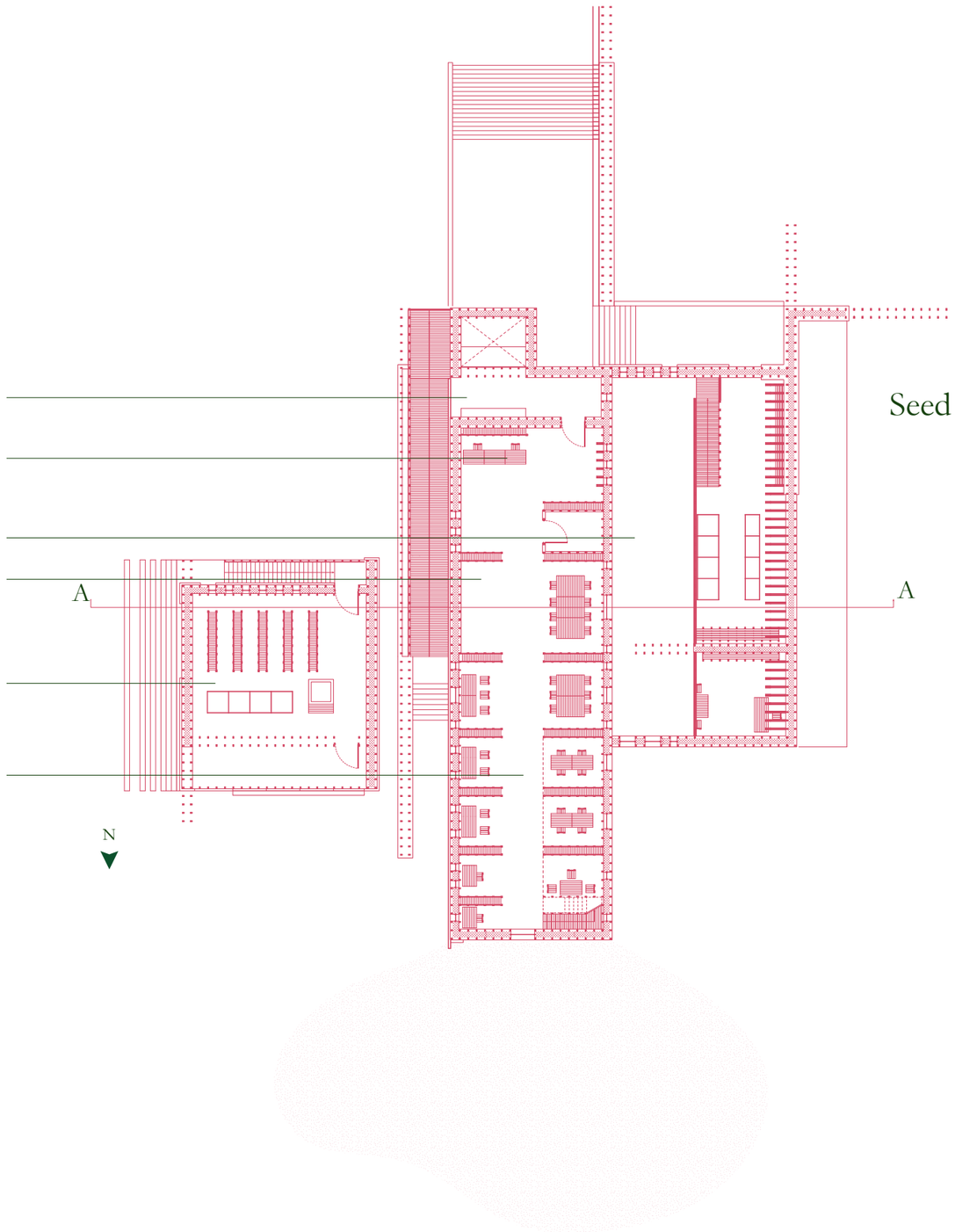
Library reception desk

Exhibition balcony

Library bay with projection

Pottery studio glazing and drying

Library main space

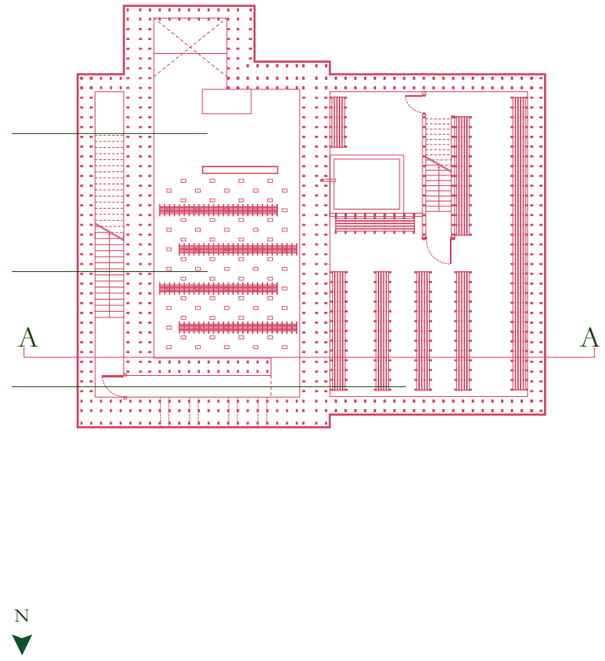


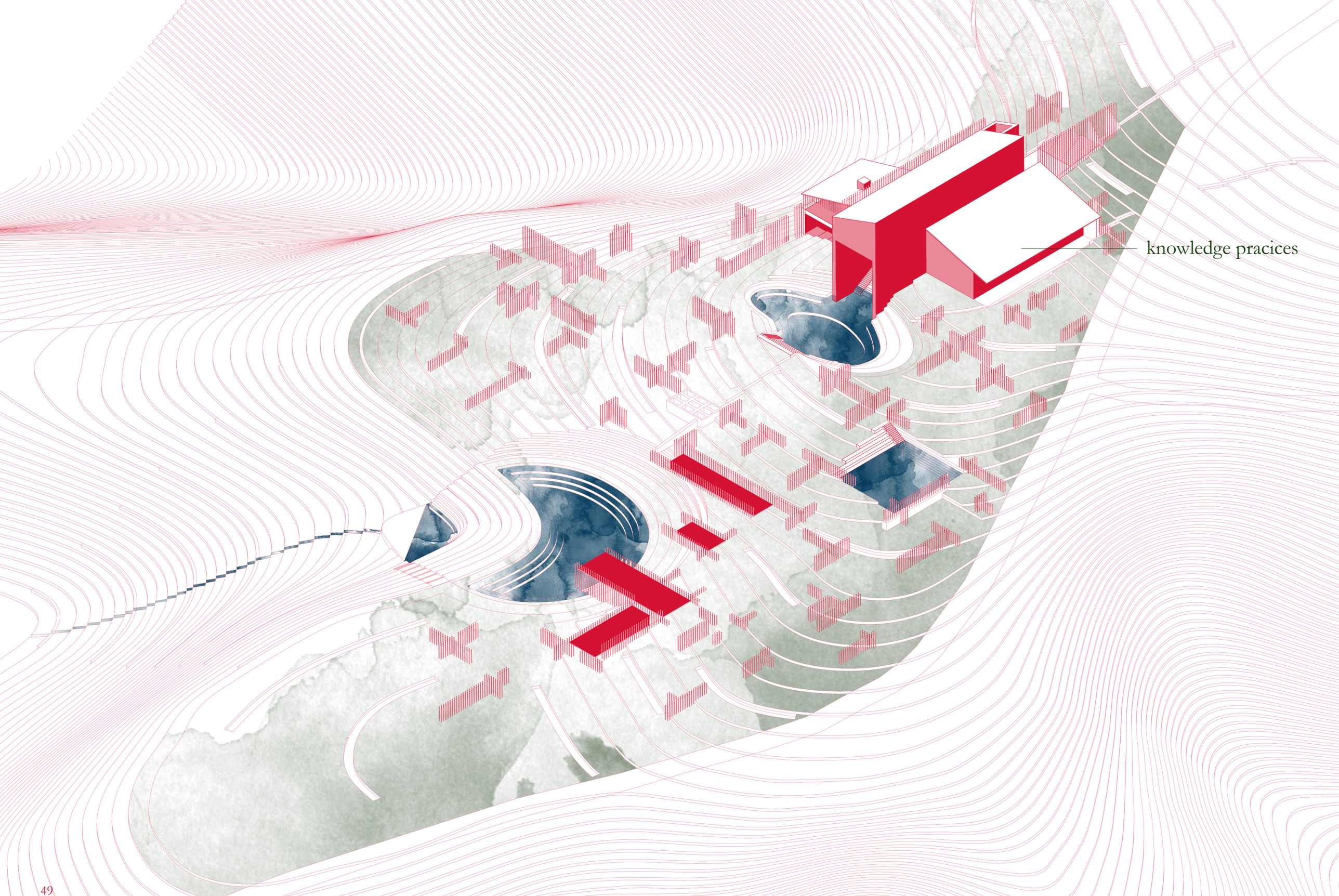

## FLOOR -1

Seed selection area

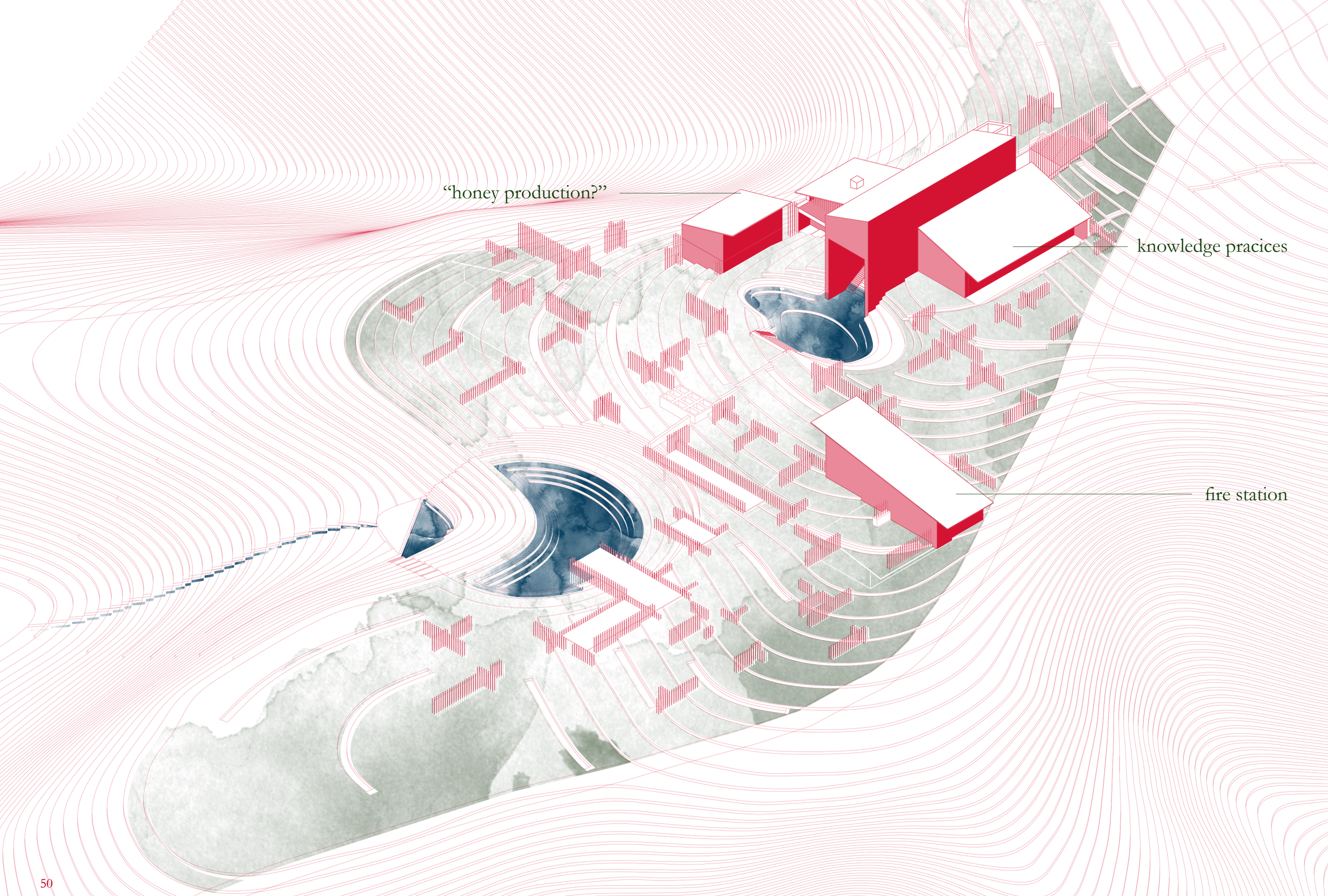
Seed library

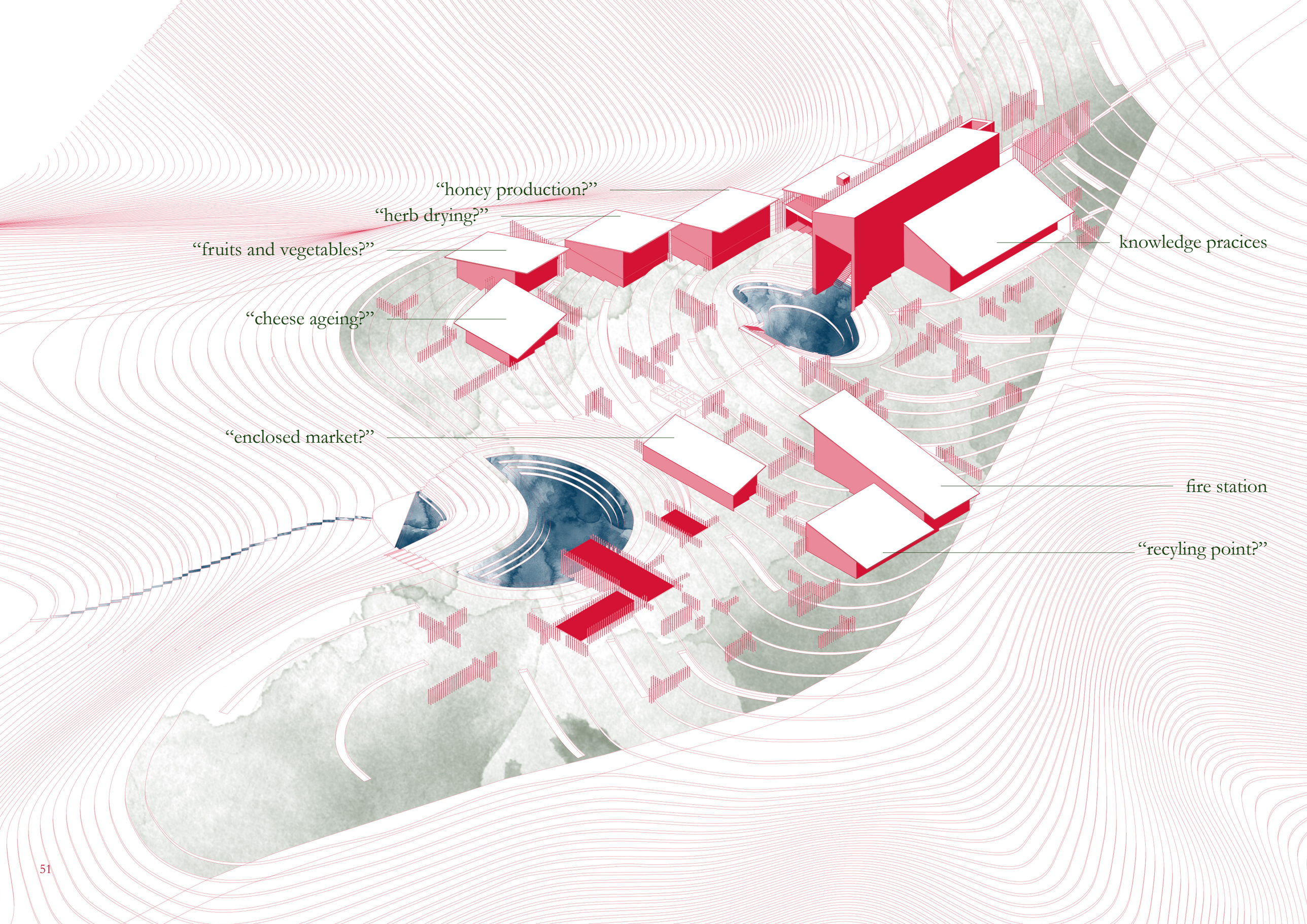
Storage





knowledge pracices


“honey production?”
knowledge pracices
fire station

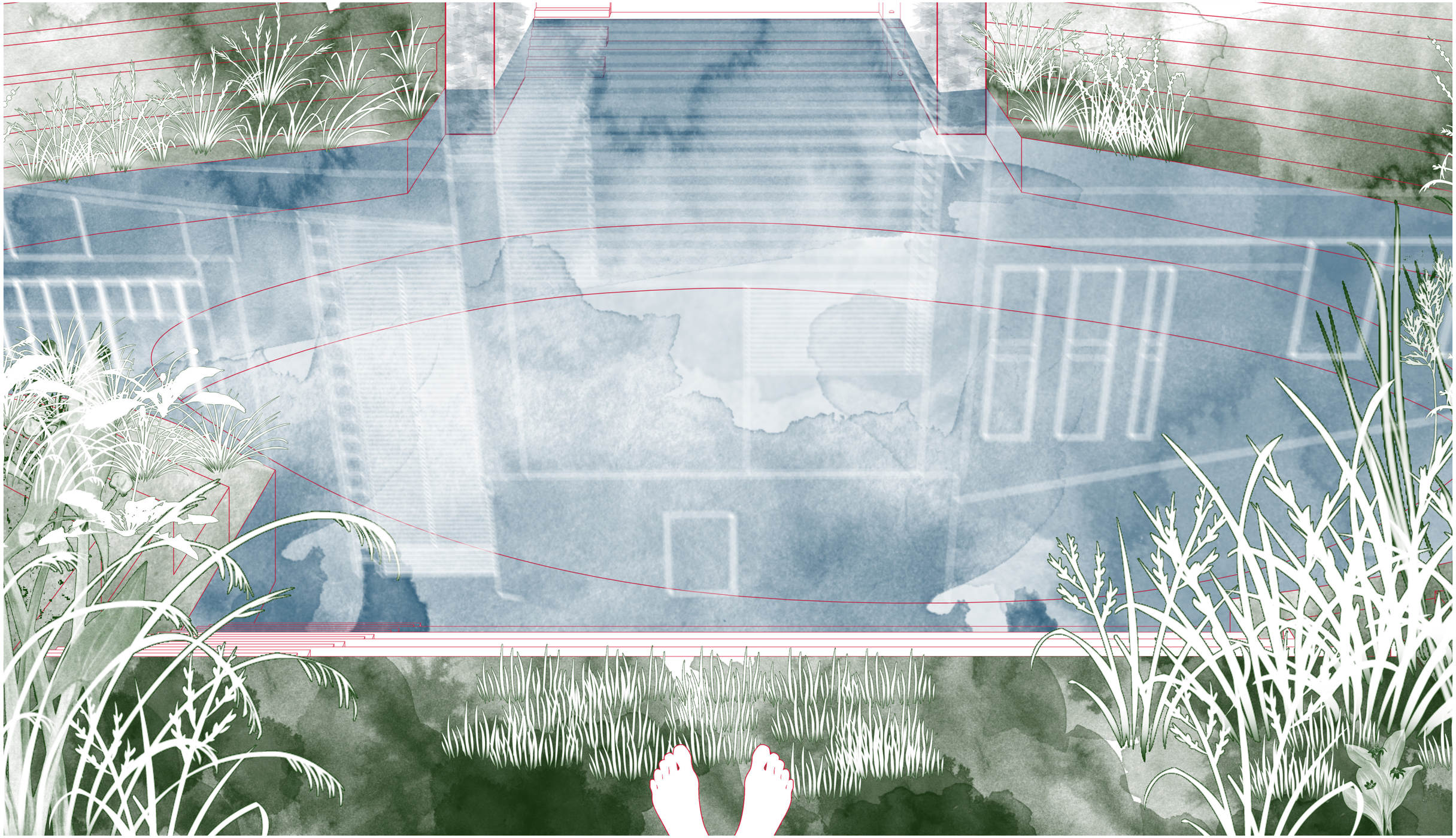

"honey production?"
"herb drying?"
"fruits and vegetables?"
"cheese ageing?"
"enclosed market?"
knowledge pracices
fire station
"recyling point?"

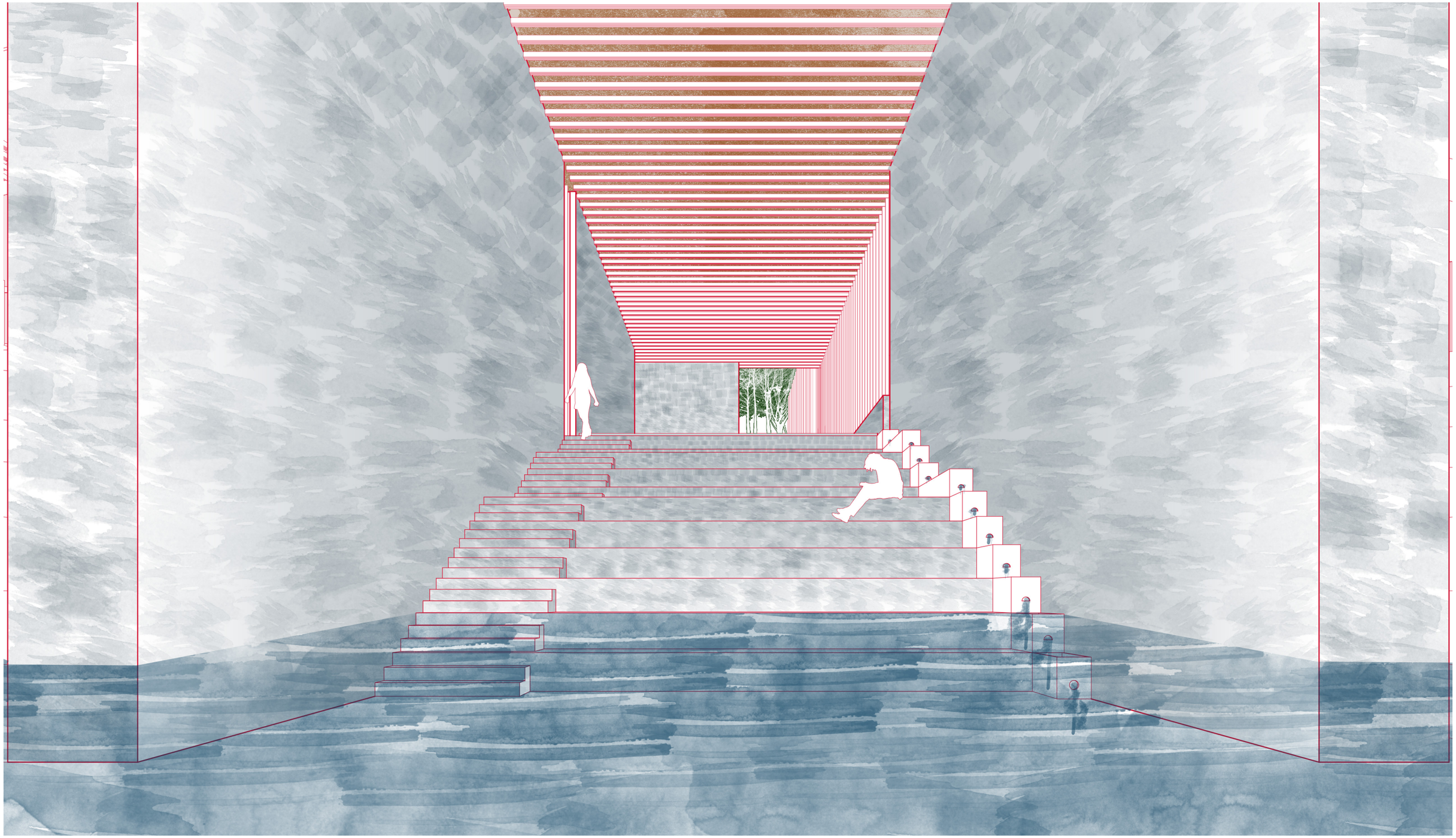


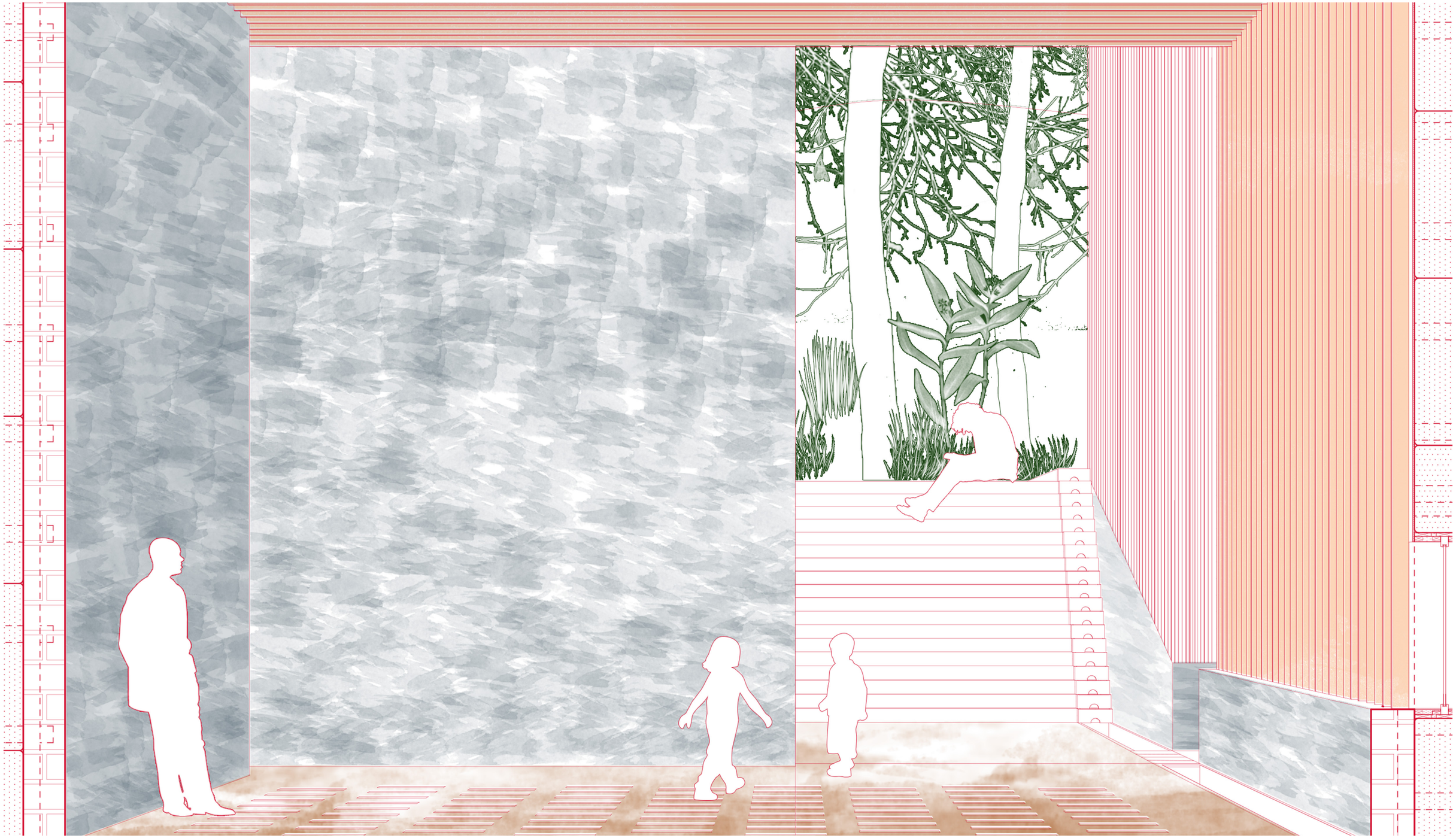


Section AA

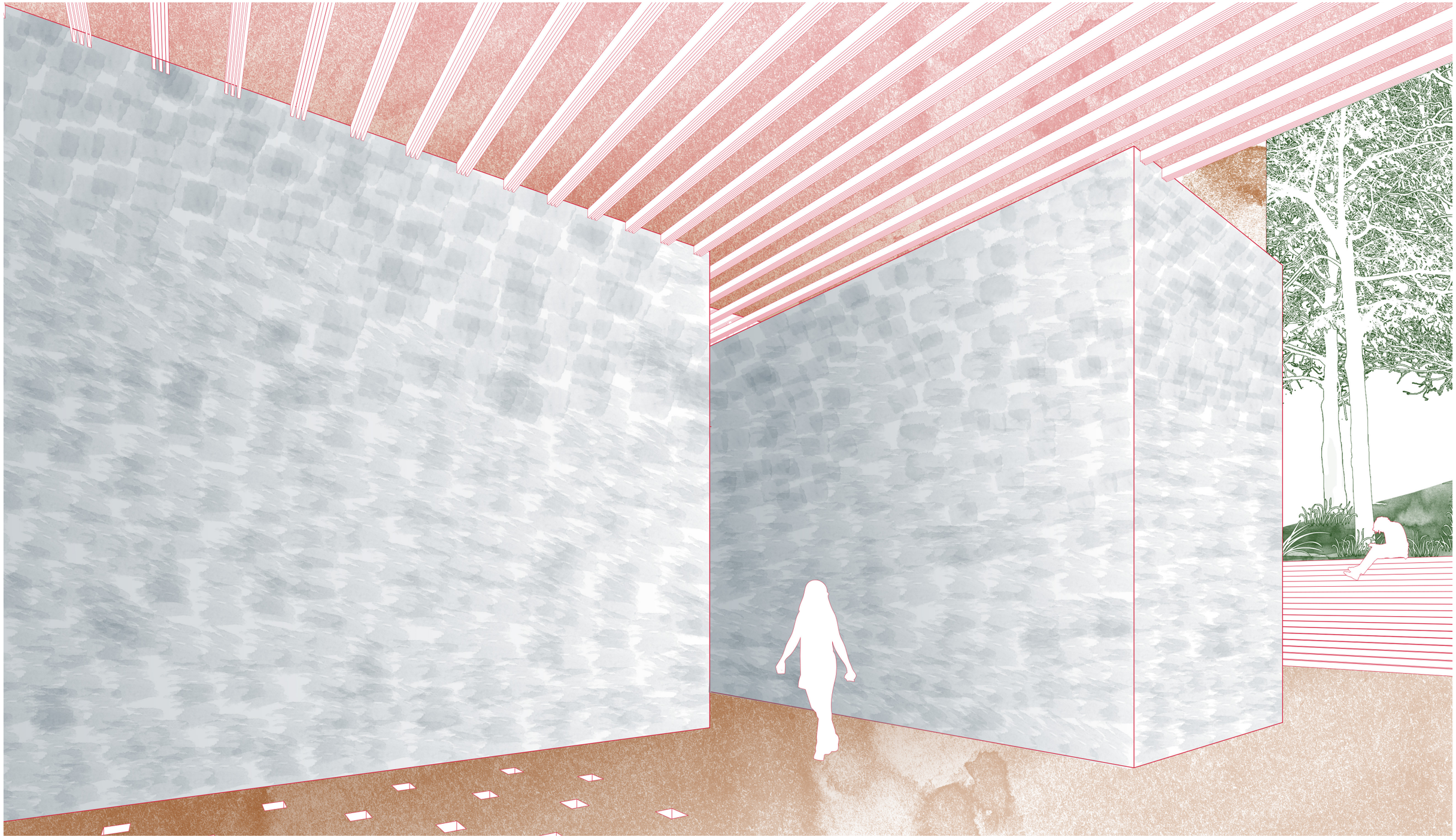


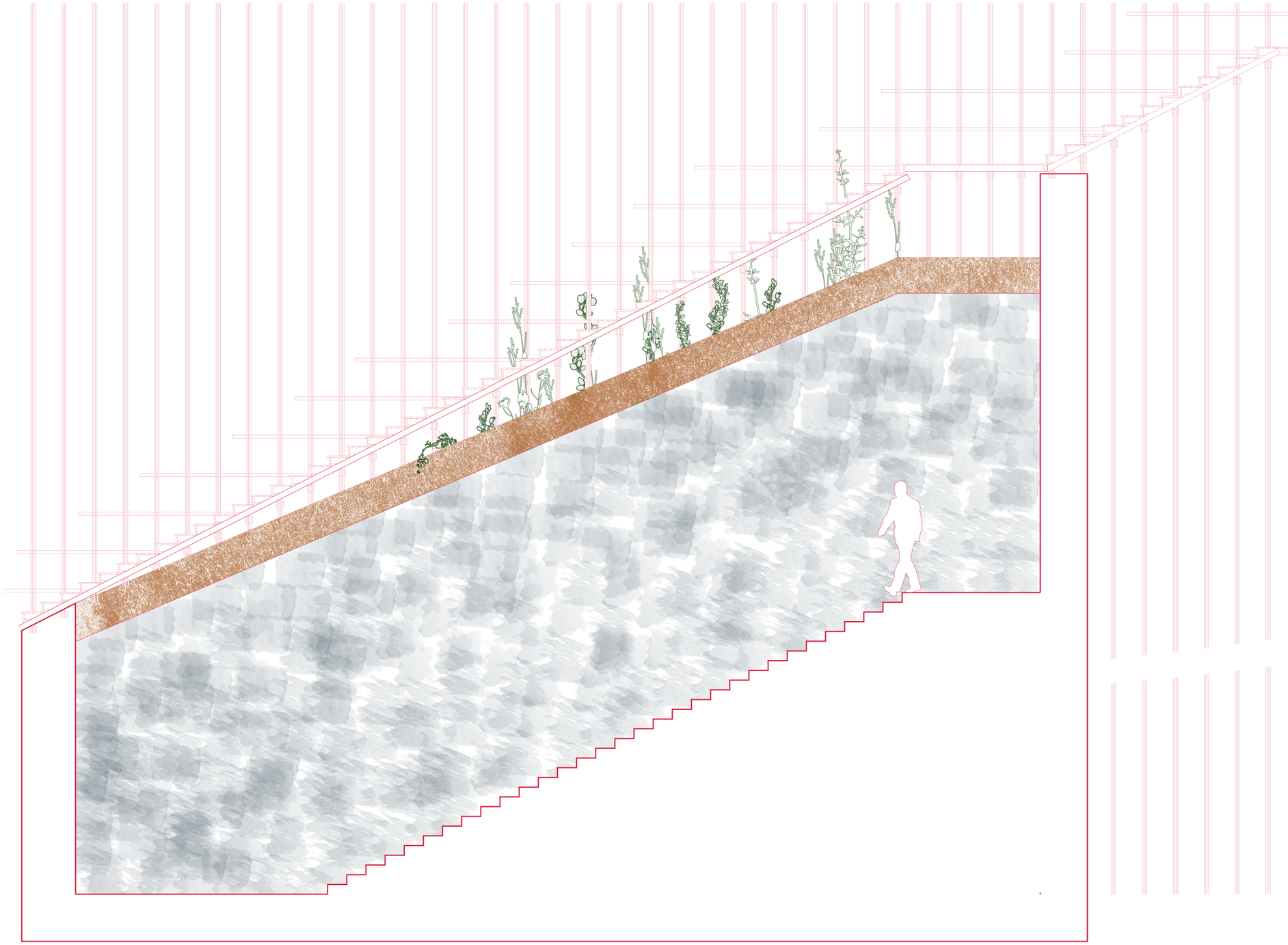


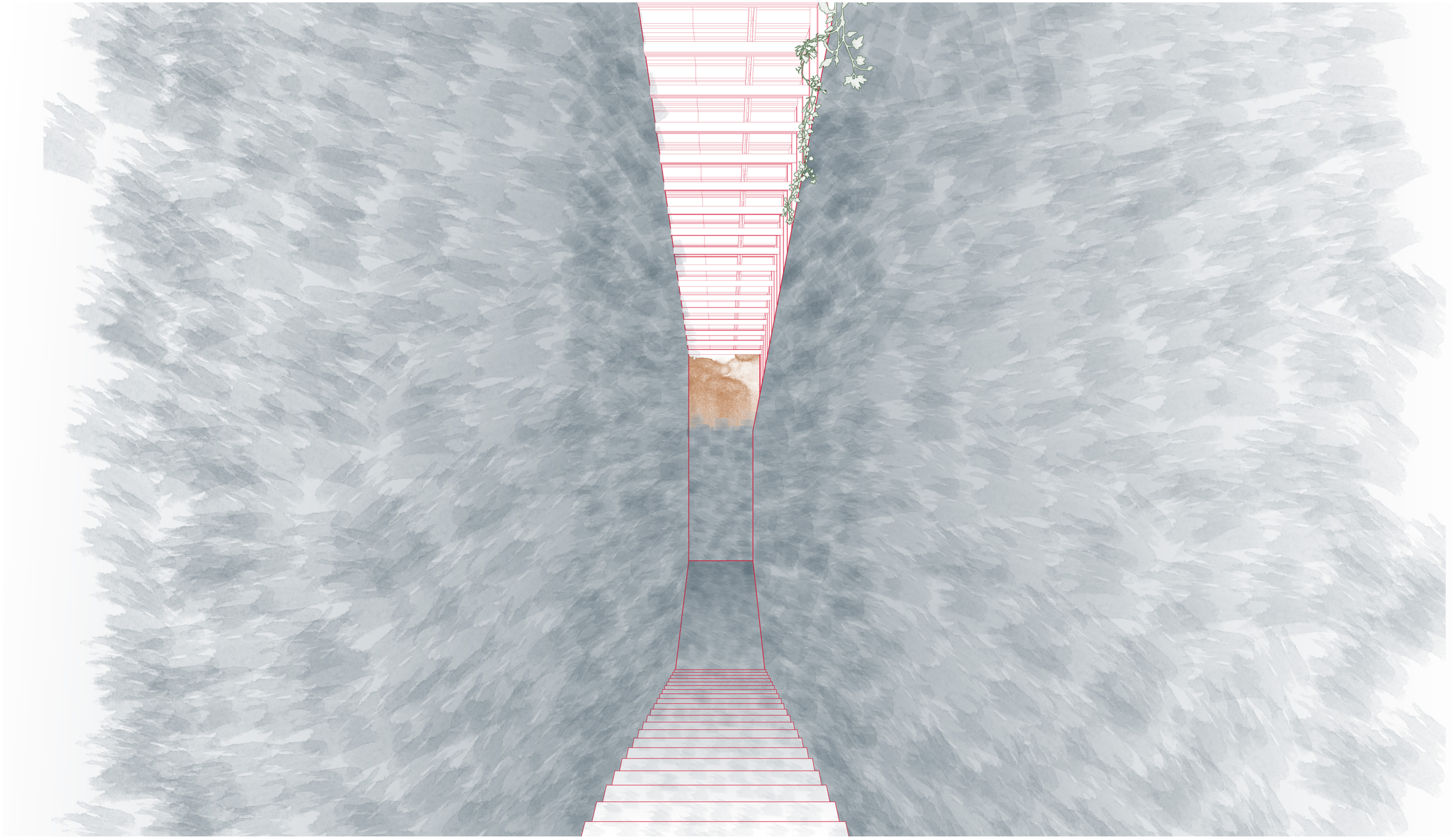


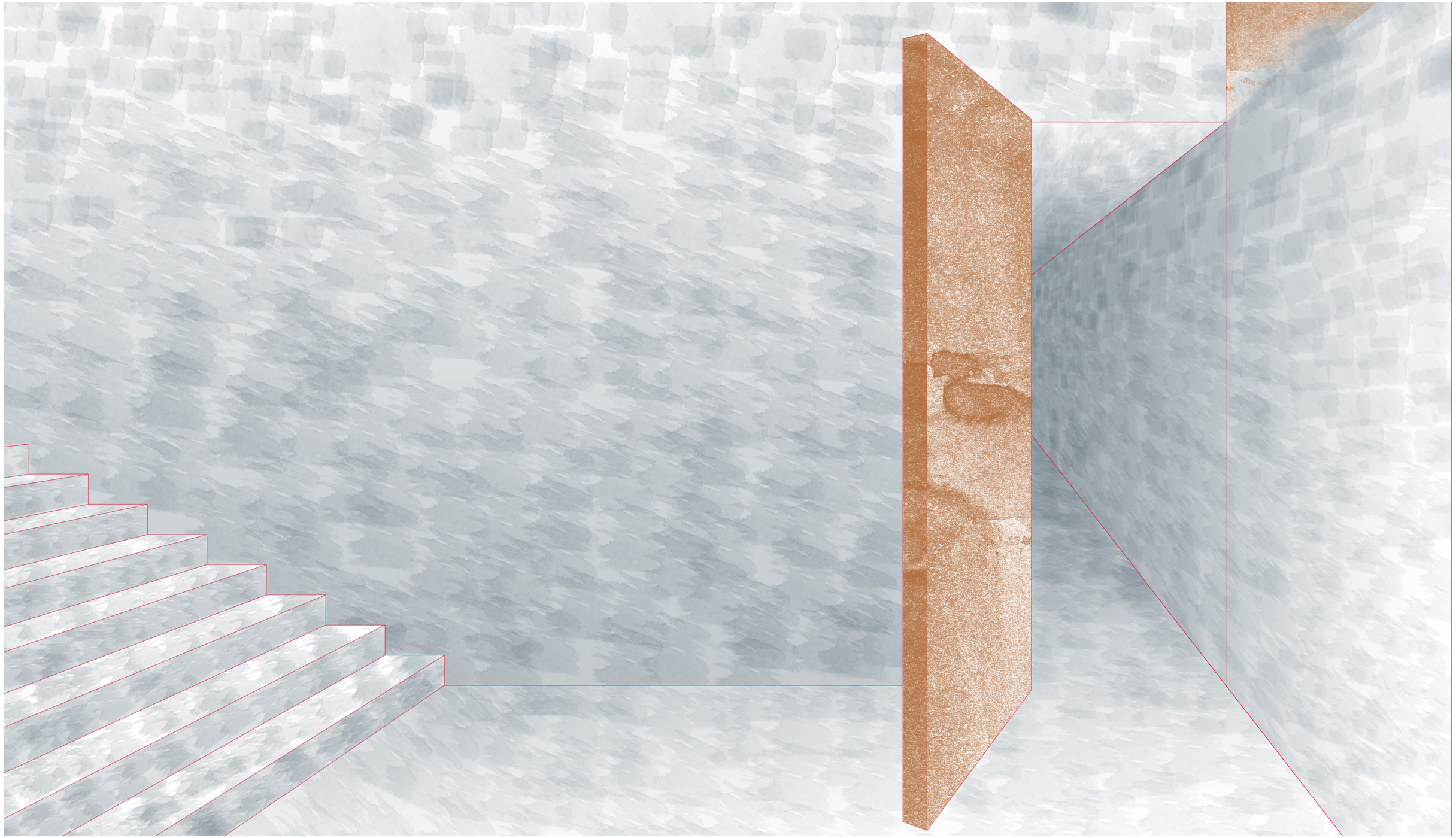


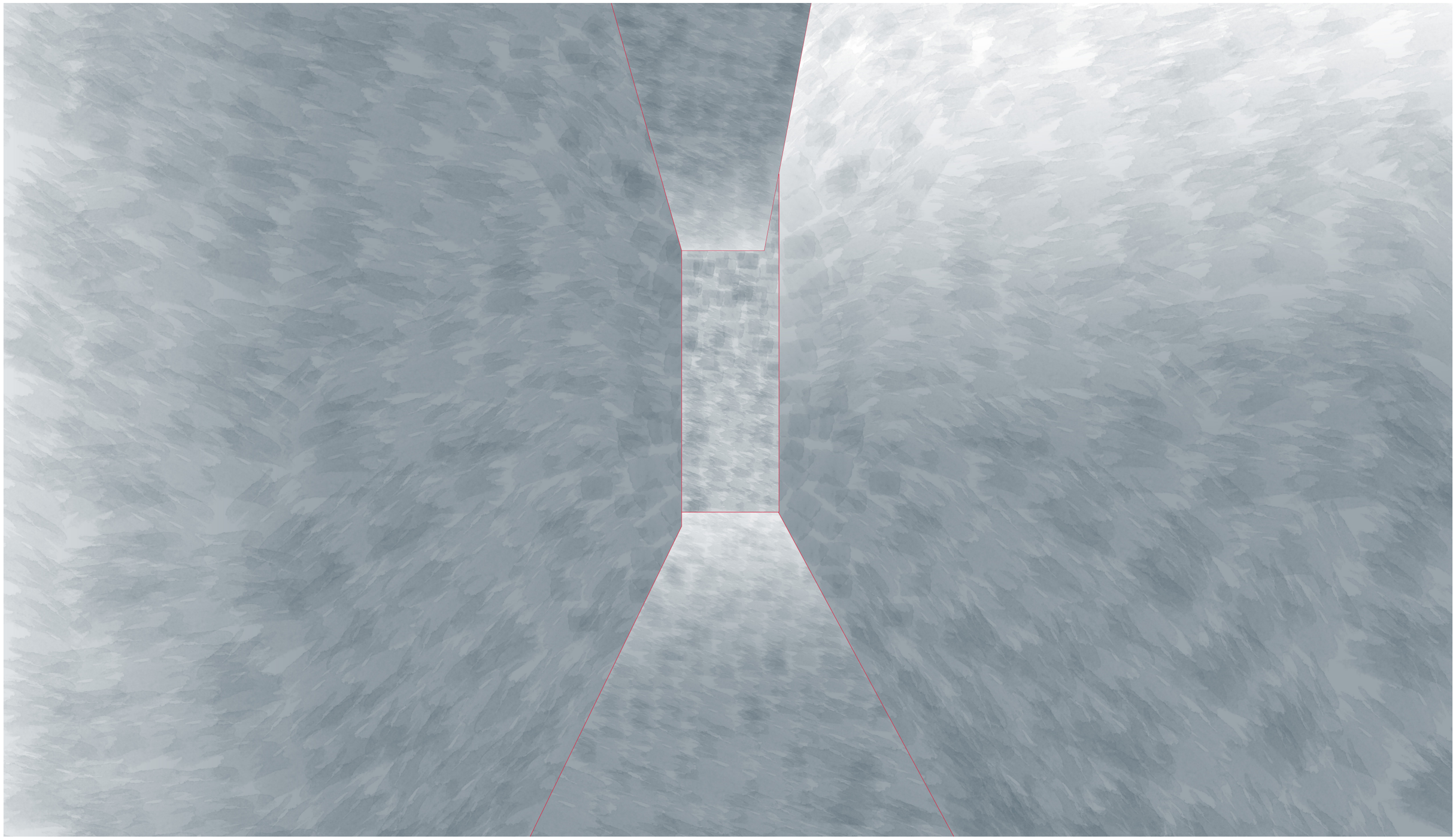


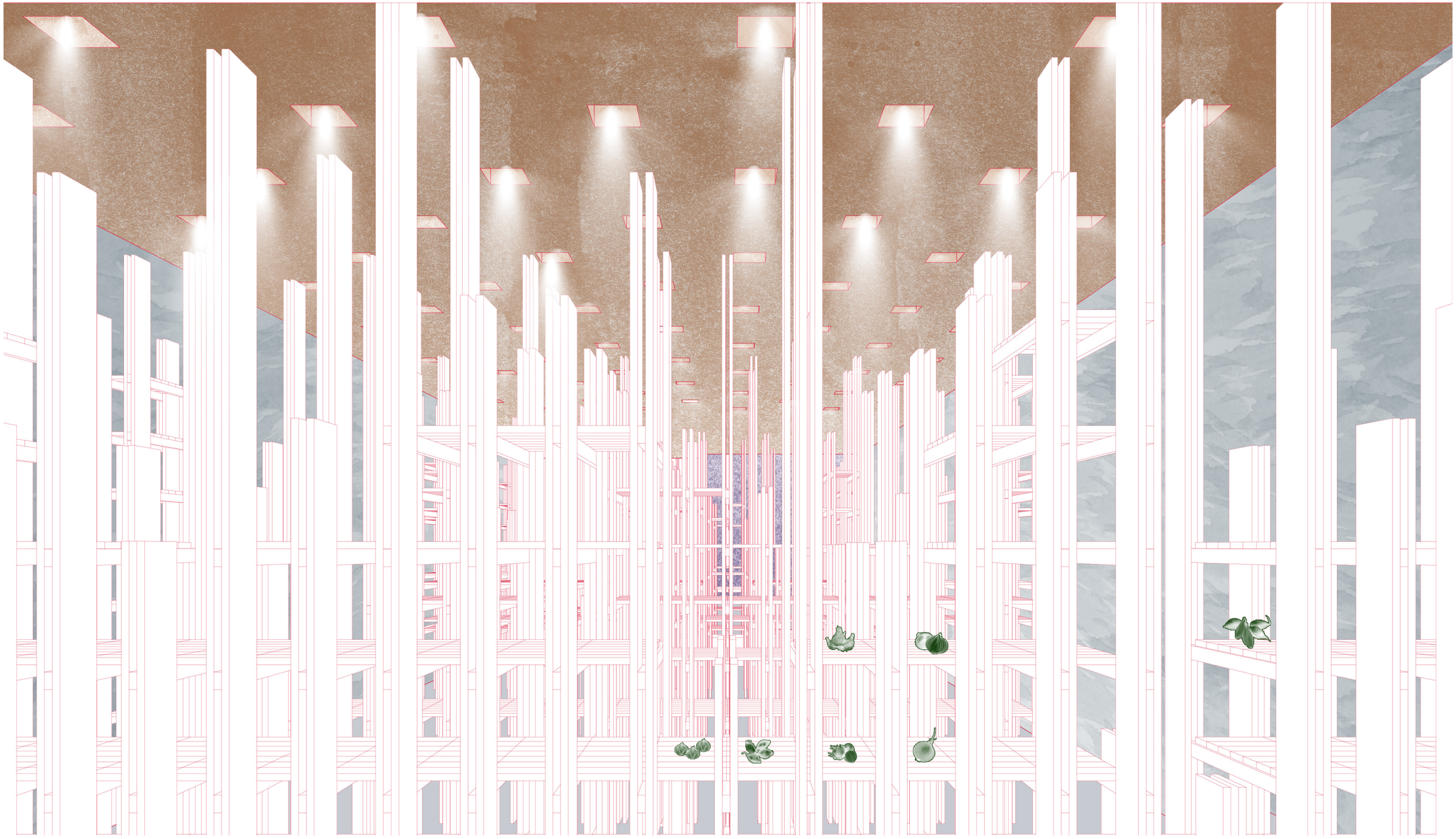


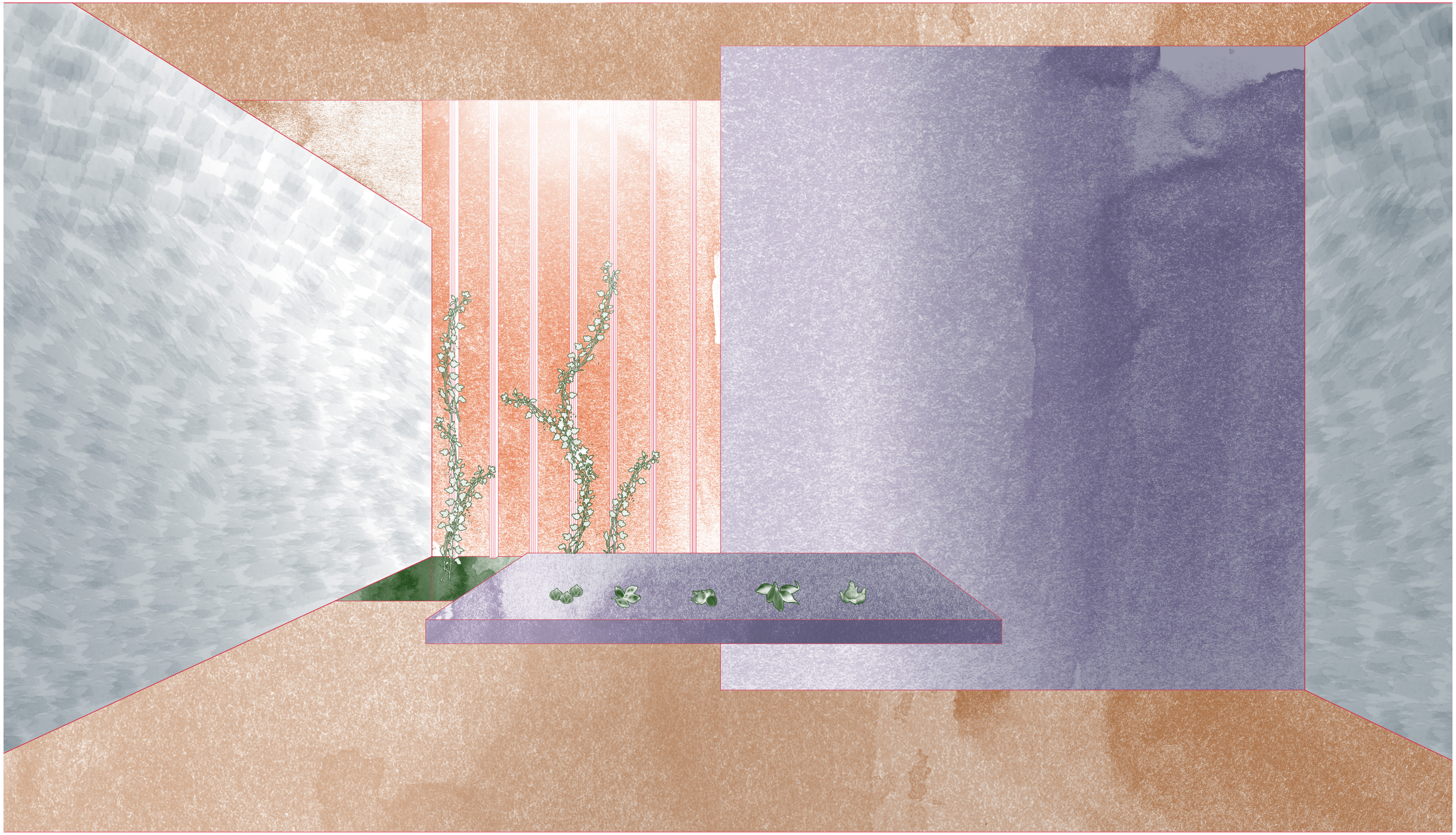

















my steps sank echoless
as if my trace was made and simultaneously erased
by the ~~softness~~ silence of the grass
I was wondering when I arrive?
~~Or when do I enter~~ (begin)
or when does my arrival start?
certainly it is somewhere between lifting and
carefully placing ~~again~~ my foot
on the ~~grass again~~ ground
it is in that moment of movement
of moving through ~~a threshold~~ space
but sensing a subtle change
stepping on a slightly harder surface
and leaving a trace

the room of the forest forms upon my trace
~~then edge of the wood~~
the woods seem to thicken by the clearing at the edge
~~[illegible]~~
as my steps echo guardedly
the clearing exposes my presence

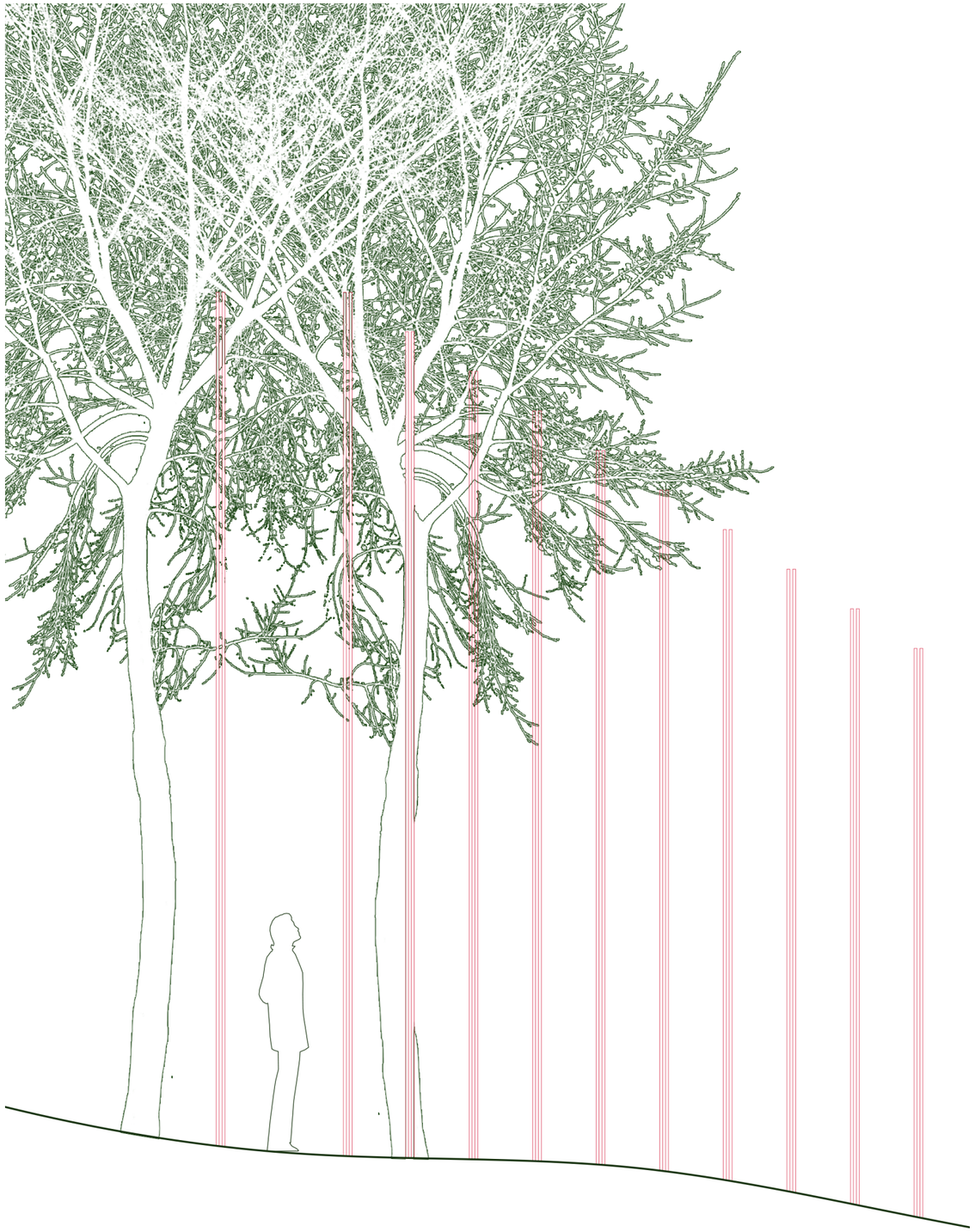
I step guardedly ~~the~~ quiet echo
~~[illegible]~~ follows my steps as I
become conscious of my presence
~~[illegible]~~
the clearing transforms me, the audience
in the flood of light I ~~become~~
who walks across ~~upon~~ the small square ~~of the~~ actors
~~[illegible]~~
the room of the forest
matrix lines at my every step
the

pier and ocean
the waves break on the surface
the pier pierces the water
the water remains whole
fluidity is unbreakable

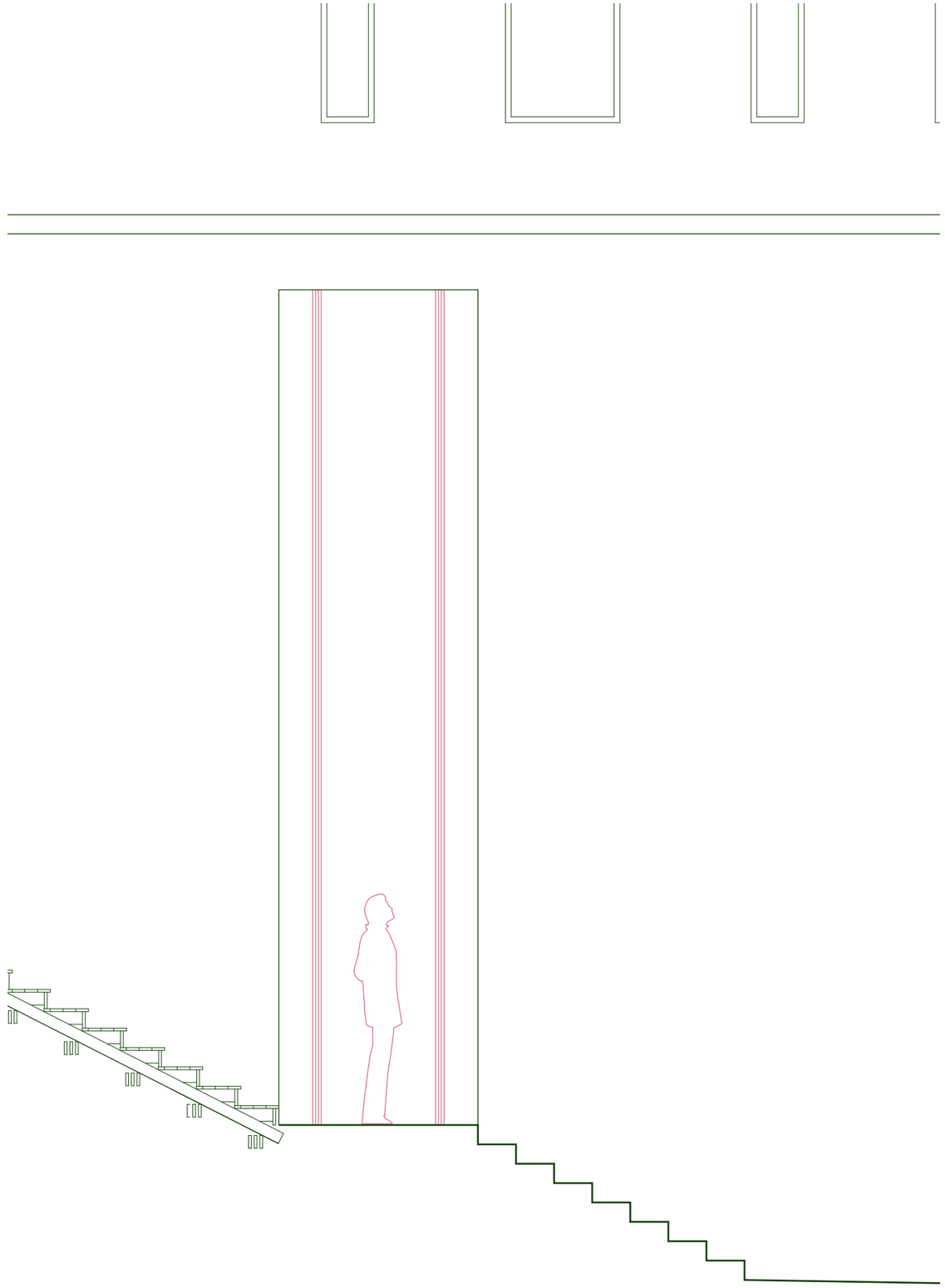
the lines pulsate
expand, contract
it is a tension of two
it is a dense between
the web and the forest
the forest is unpierceable
and as the oceans swept
the pier
the foliage ~~[illegible]~~
~~[illegible]~~ spread the web
the rhythm of rabbit and built
merged into a single landscape

the ground slightly ~~[illegible]~~ out
as the grass gives over to harder ceramic tiles
the rhythm of trees by the edge of the clearing
is accentuated by the slim ~~wooden~~ structure
filled by a living wall
~~the~~ dense foliage ~~[illegible]~~
~~is replaced by earthen walls~~
is emerging from the woods, it invites you
to follow its solidifying form

gradual hardening of the surface



The door of the forest



Entrance to main space