

MASKAVAS FORŠTATES PAGALMS

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FORŠPAGALMS

LABIEKĀRTOJUMA DIZAINA KONCEPCIJA
Pagalmam Lomonosova ielā 12

[DESIGN PROPOSAL for Courtyard on Lomonosova street]

RISEBA + RTU

Jelizaveta Lavrentjeva + Ingrida Dreimane
2020.04.27.
[Final Presentation]

LOCATION

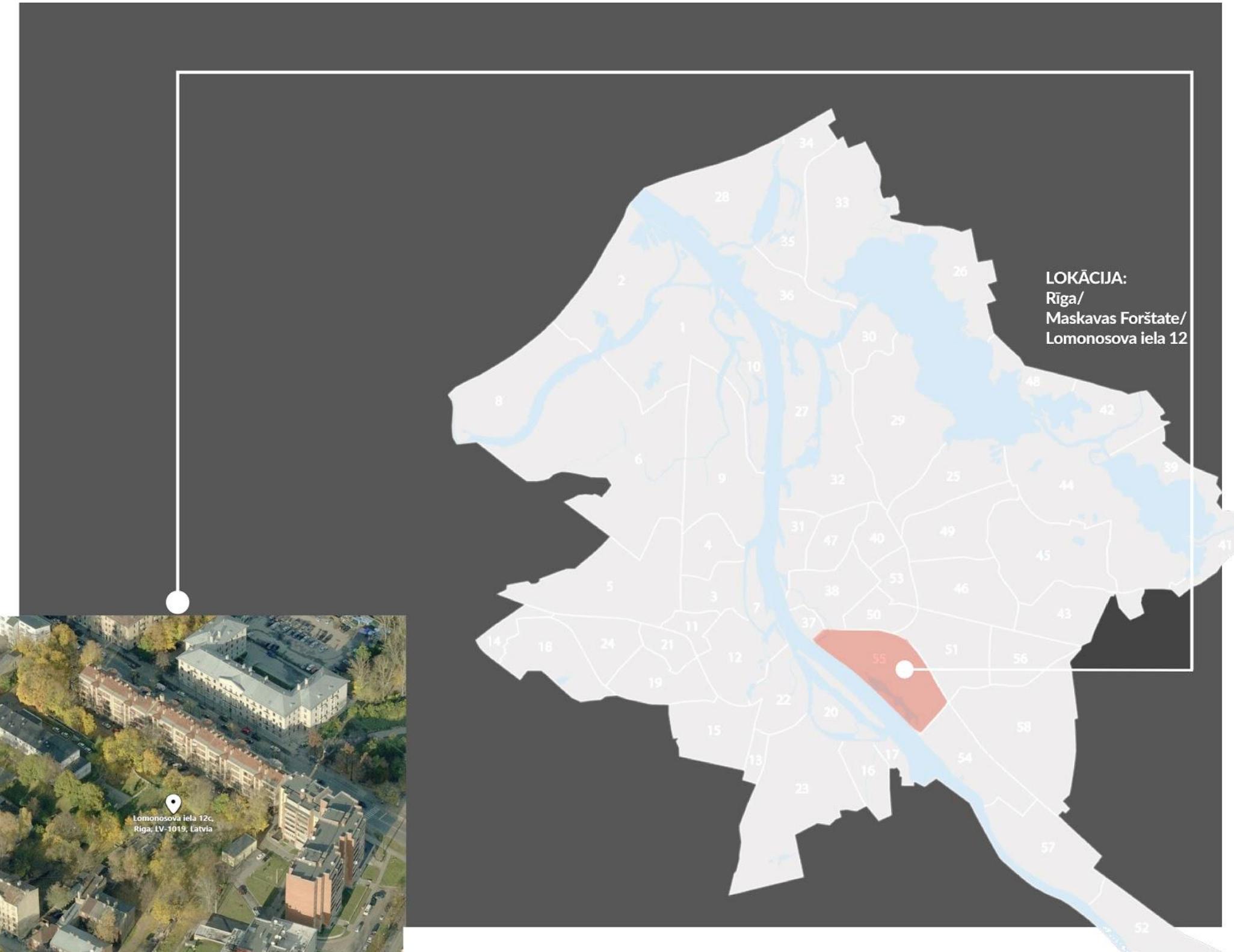
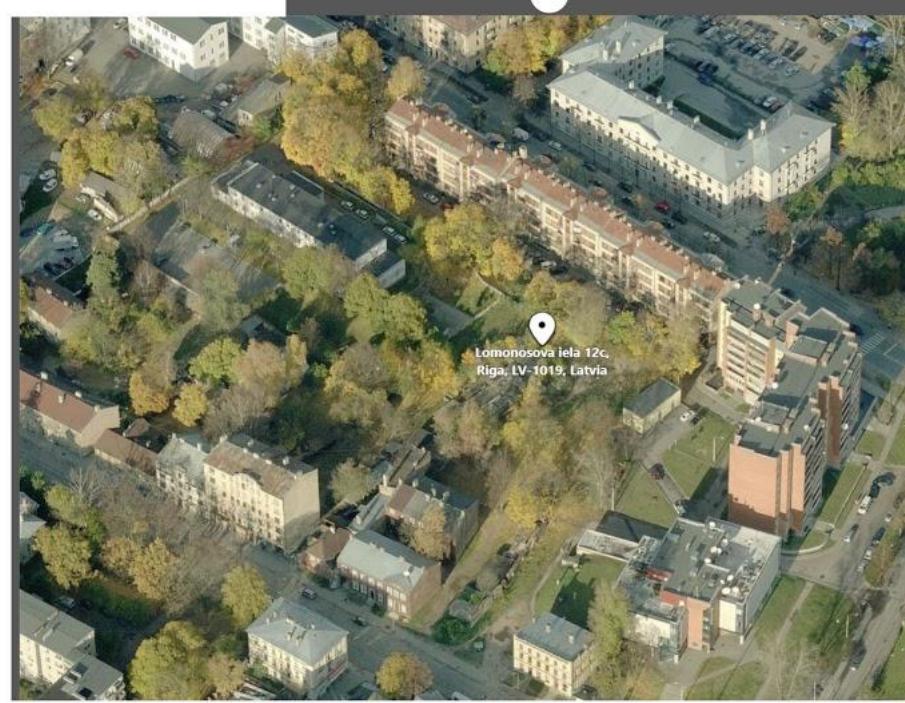
APKAIME: Maskavas foršteate

Area: 759.4 ha

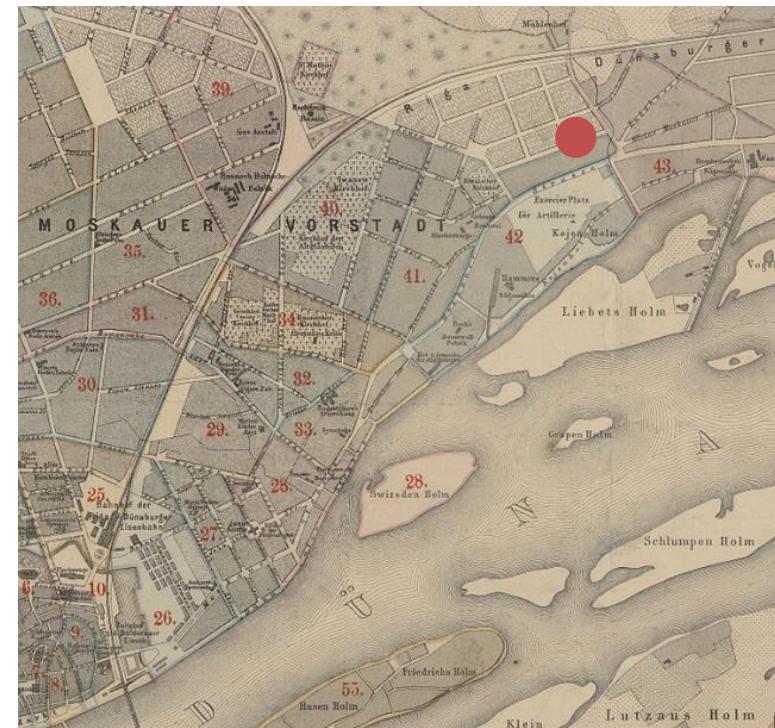
Residents: 29 713 (2017)

Residents density: 39 ledz./Ha

Project site area **1845m²**



HISTORICAL INFORMATION

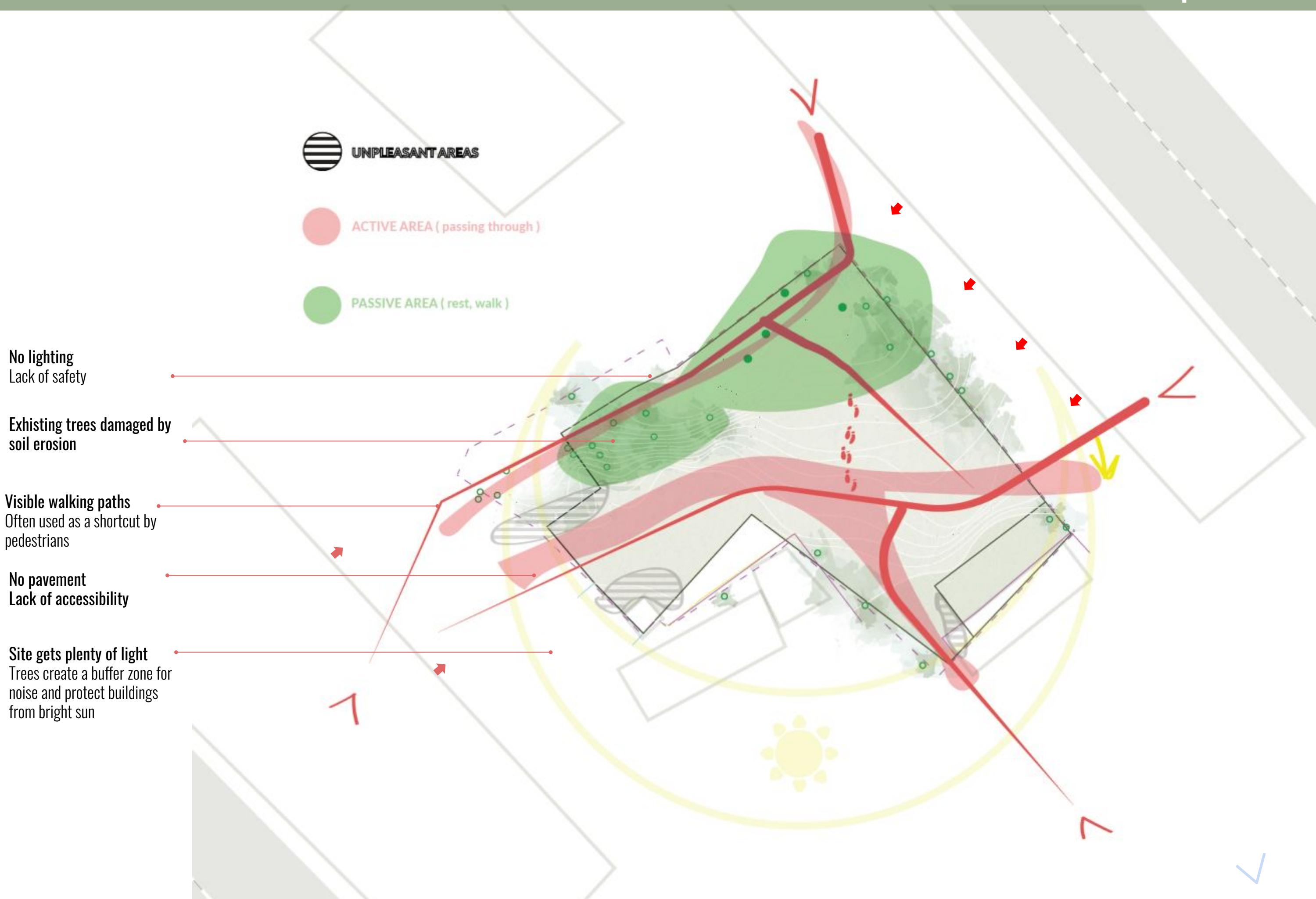


Neighbourhood – oldest parts of this suburb were established around 14th to 17th century



Adresse: Lomonosova iela 12a
Arh.: E. Štālbergs
[Residential building (1929), listed as cultural heritage]

SITE ANALYSIS: site visit impressions



SITE ANALYSIS: site visit impressions



PHYSICALLY ENCLOSED space



CLOSED space



OPEN space

Unpleasant views
Should be covered

Slope erosion
Has to be protected

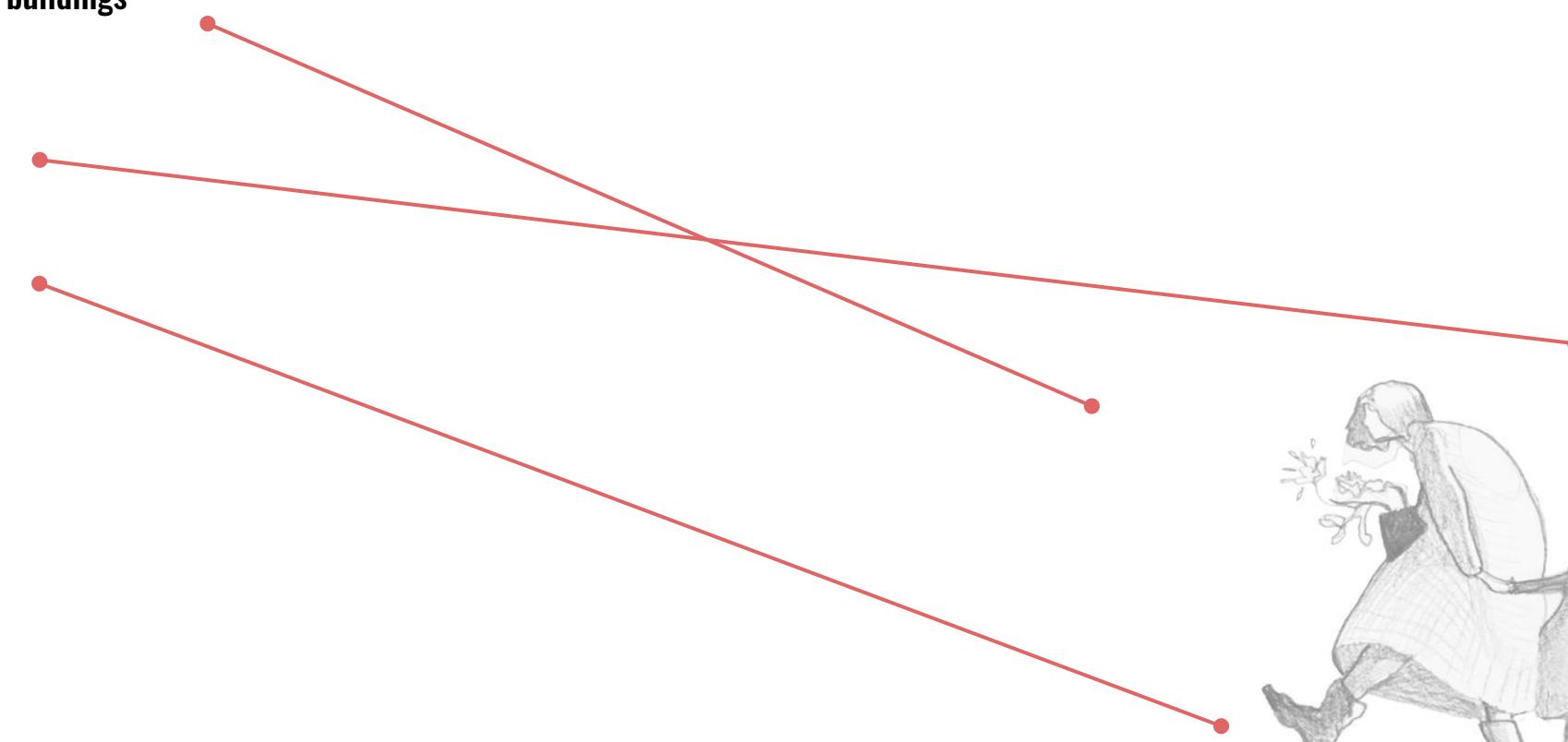


SITE ANALYSIS: site users

Residents of surrounding buildings
Different age groups

Passers-by

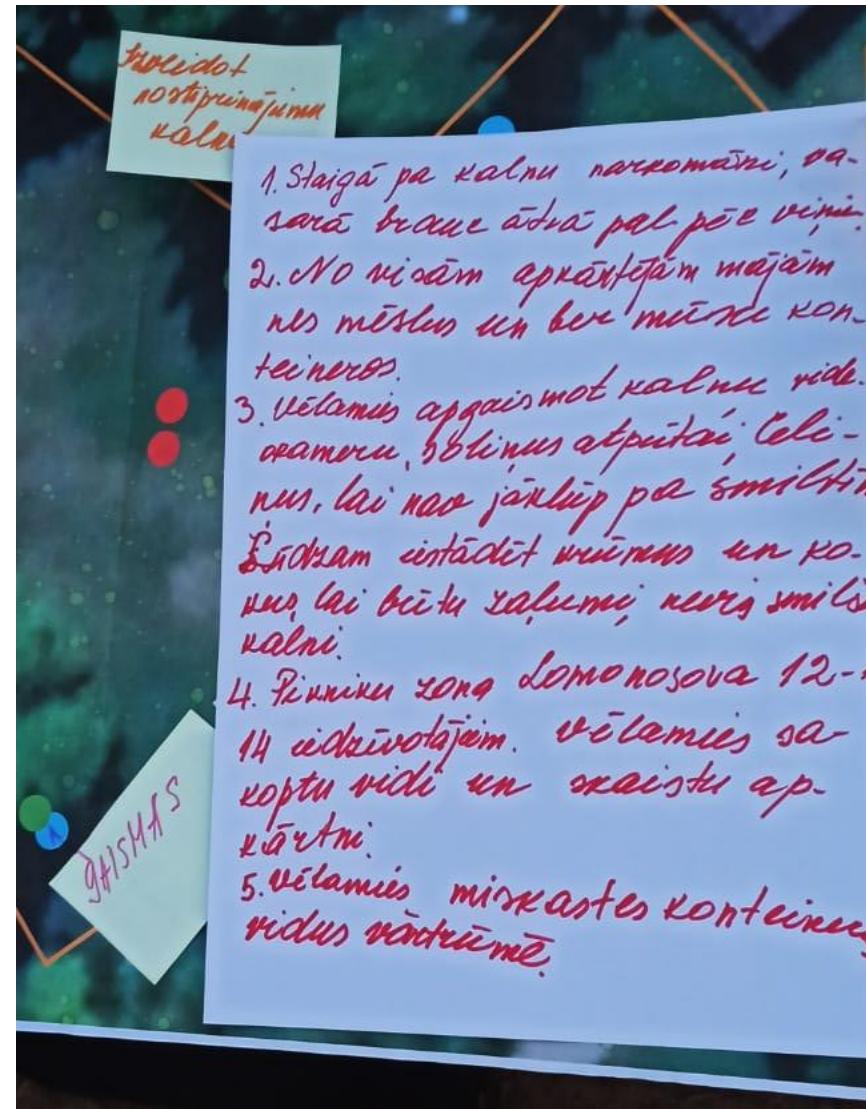
Dog owners



IEDZĪVOTĀJU VĒLMES / IETEIKUMI / SŪDŽĪBAS RESIDENT WISHES / SUGGESTIONS / COMPLAINTS]

[WISHES]:

- Urban garden +
- Sport area +/-
- Playground +/-
- Lighting +
- Video surveillance cameras +
- Painted wall +/-
- Picnic place +
- Decent,"walkable" pavement



[SUGGESTIONS]:

Fortify slopes & preserve existing relief
Don't use expensive plants, because of thievery

[COMPLAINTS]:

Existing area is not maintained. Too much sand and not enough greenery
Unsavory characters often use the site inappropriately



SITE VISIT: residents wishes

[EXISTING EQUIPMENT & PROBLEMS]

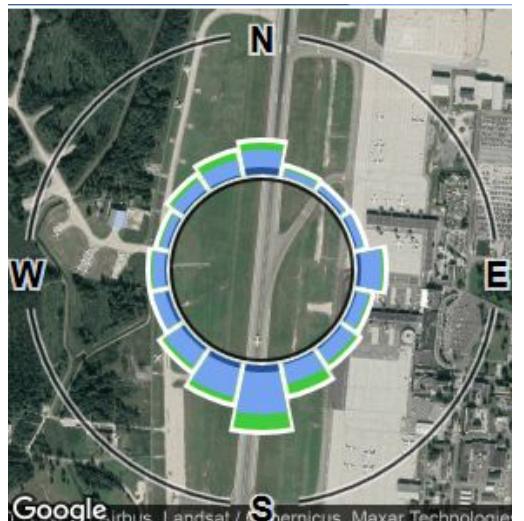
Existing equipment & landscape situation:

- **No pavement**
- **No lighting**
- **No equipment**
- **Uneven terrain with exposed tree roots**
- **Adjacent territory has small flower beds and cat houses**
- **Large trash bins are placed in building underpass**
- **Problems with rainwater collection**
- **Leached soil**



SITE ANALYSIS: desk research

MIKROKLIMATS & DABA [MICROCLIMATE & NATURE]



Zemesgabala robeža
[Site boundary]

Valdošo vēju virziens
(Dienvidu)
[Prevailing wind direction
South]

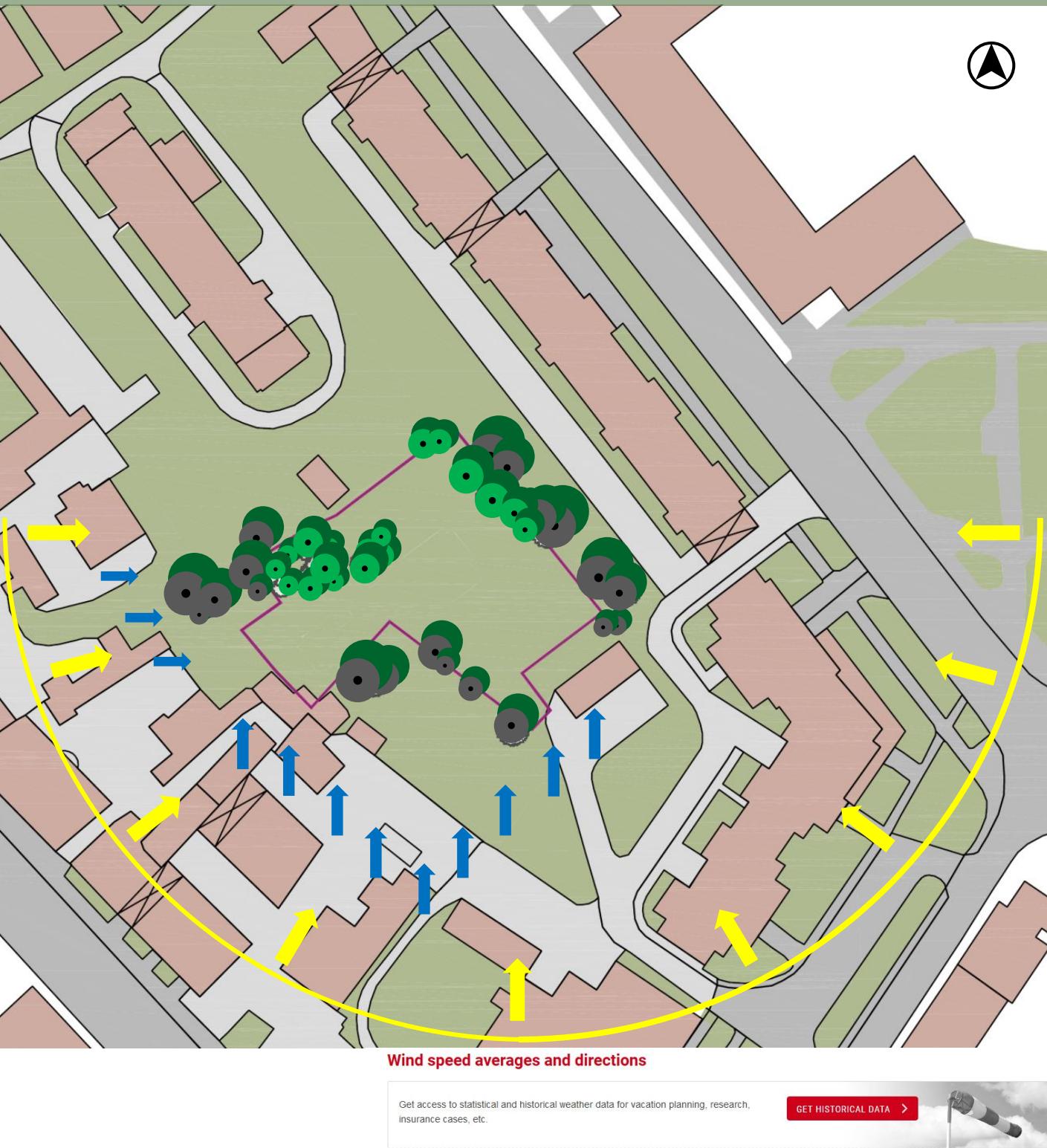
Saulesgaisma
[Sunlight]

Esošo koku grupas
[Existing tree groups]

Esošo koku grupas ārpus
zemesgabala
[Existing tree groups out of
site]

Ēna no kokiem
[Shadow from trees]

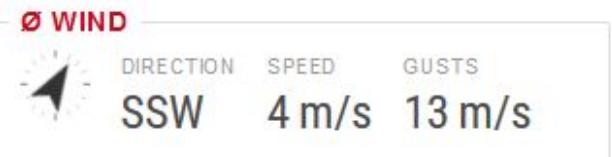
Zaļā teritorija
[Green territory]



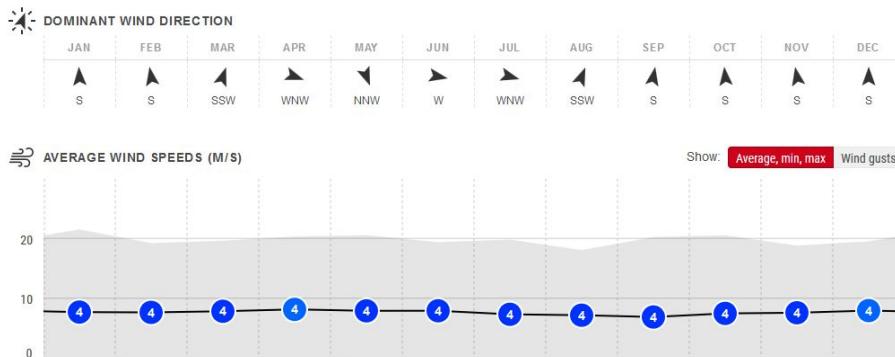
Temperature averages for Riga Airport



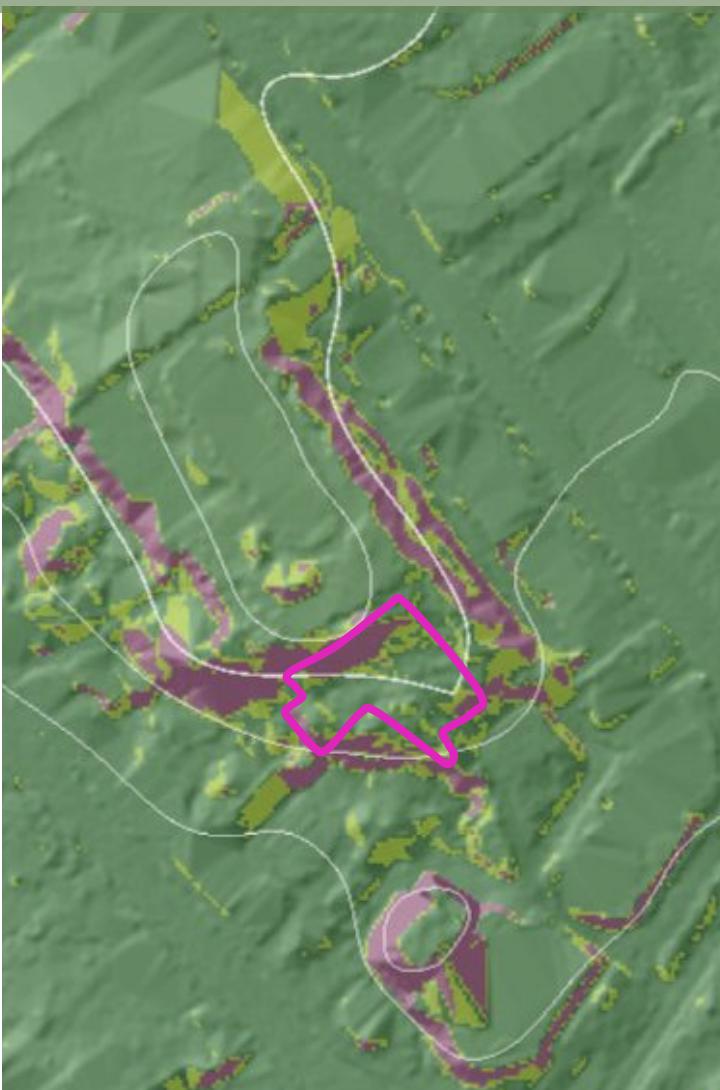
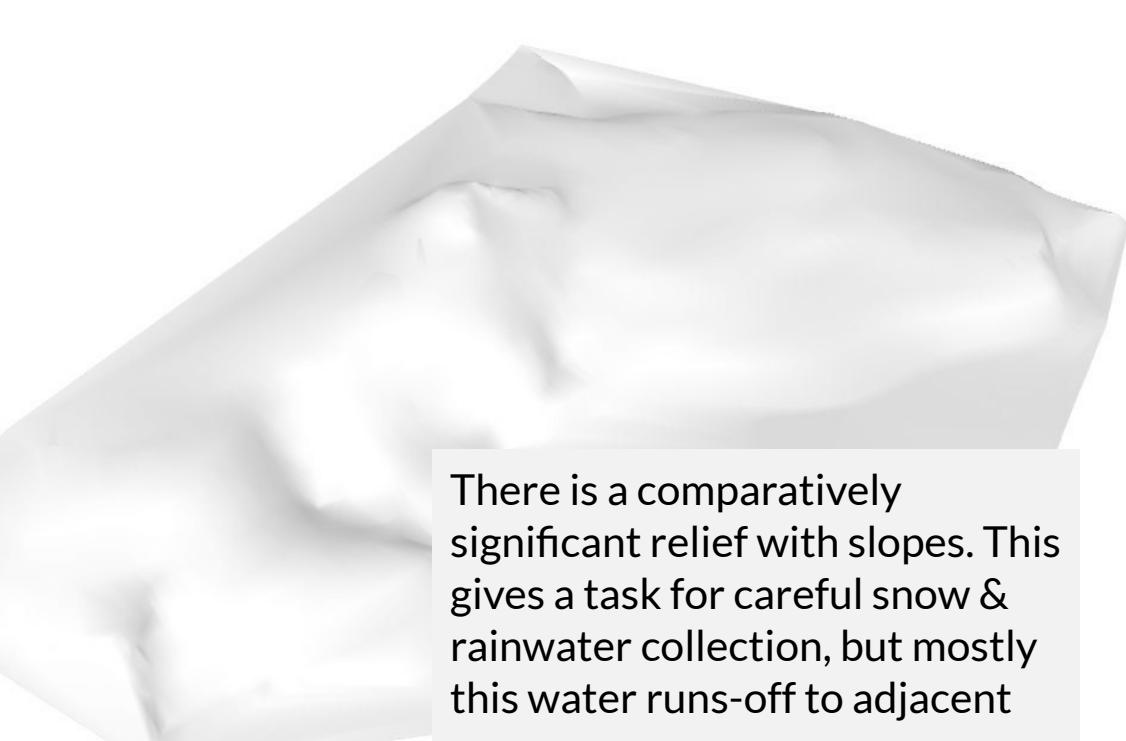
Yearly wind and weather averages for Riga Airport



Statistics based on observations taken between 01/2002 - 01/2020 daily from 7am to 7pm local time.

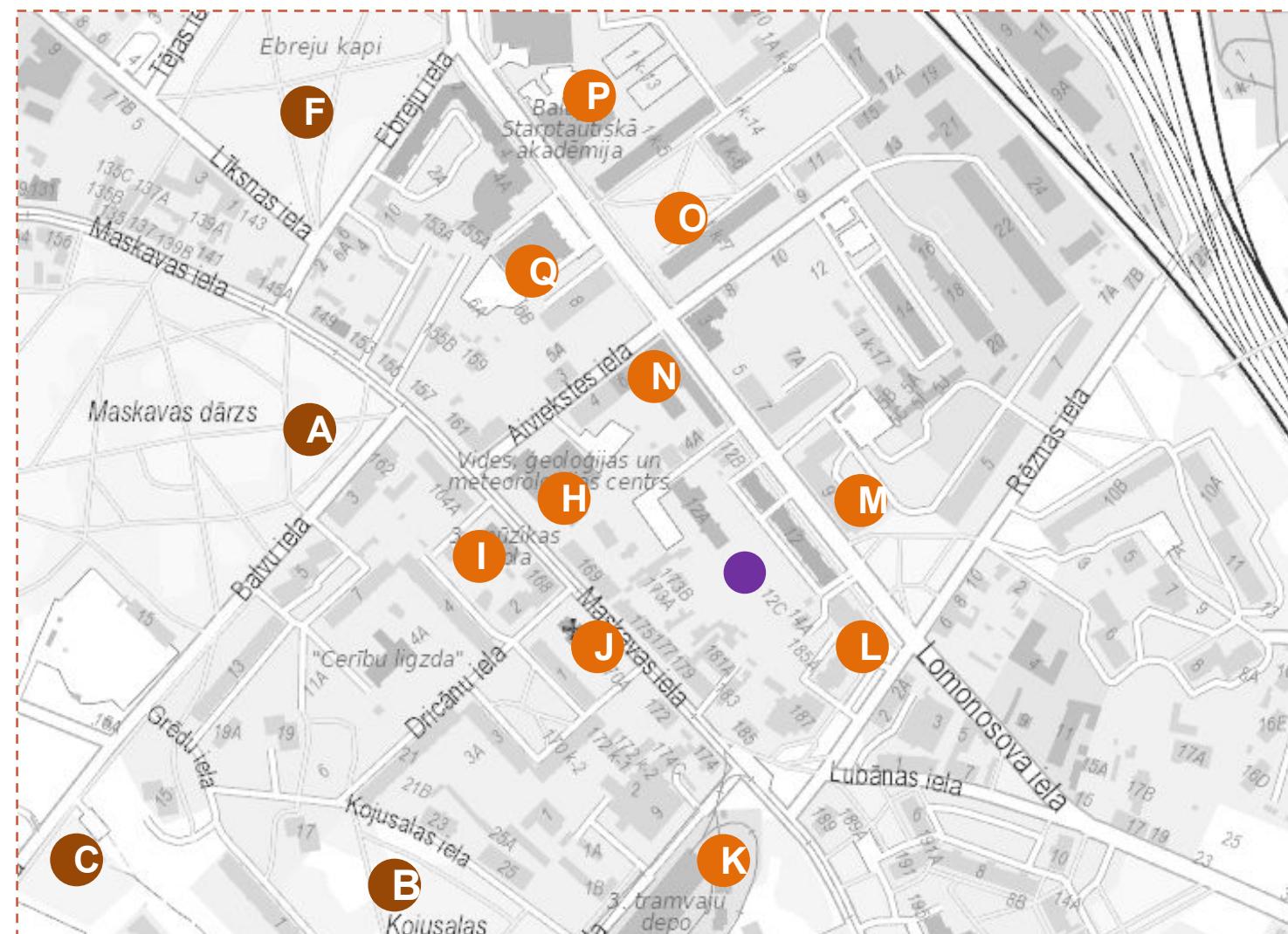
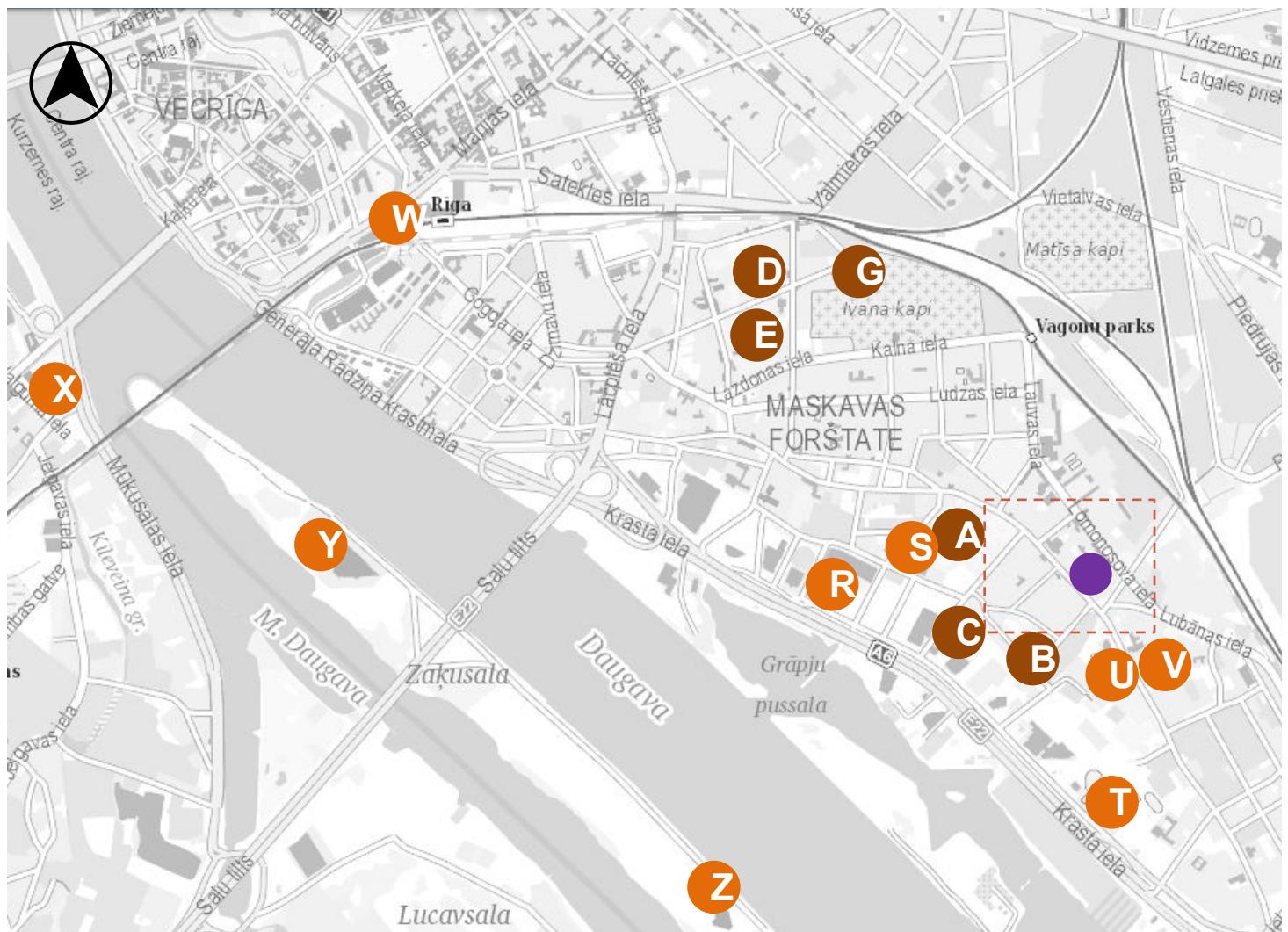


SITE ANALYSIS:desk research



SITE ANALYSIS: desk research

APĀRTNES INTEREŠU PUNKTI [POINTS OF INTEREST IN SURROUNDING AREA]



A - Maskavas Dārzs
[Moscow Garden /Park]
B - Kojusalas Dārzs
[Kojusalas Garden/Park]
C - Erevānas Dārzs
[Erevan Garden/Park]
D - Miera Dārzs
[Miera (Peace) Garden/Park]
E - Klusais Dārzs
[Klusais(Quiet) Garden/Park]

F - Ebreju kapi
[Jewish cemetery]
G - Ivana kapi
[Ivana cemetery]
H - Vides, ģeoloģijas un meteoroloģijas centrs
[Environment, Geology and Meteorology Centre]
I - 3. Mūzikas skola
[Music school]
J - Sv.Ercenēja Mihaila Pareizticīgo baznīca
[St.Arcangel Michael Orthodox church]

K - 3. Tramavaju depo
[Tram depot]
L - Filiālbiblioteka «Rēzna»
[Library branch «Rēzna»]
M - Valsts Probācijas Dienests
[State Probation Agency]
N - Rīgas pilsētas Latgales priekšpilsētas tiesa
[Court of Riga City Latgale suburb]
O - Ekonomikas un Kultūras augstskola
[EKA University of Applied Sciences]
P - Baltijas Starptautiskā akadēmija
[Baltic International Academy]

Q - Veikals «Rimi»
[Supermarket «Rimi»]
R - T/C «Mols»
[Shopping Centre «Mols»]
S - Nacionālā Sporta manēža
[National Sport Arena]
T - «Lido» Atpūtas centrs
[Recreation centre «Lido»]
U - Lastādijas pamatskola
[Secondary school]
V - A.Pumpura 11.pamatskola
[Secondary school]

● Proj. Pagalma Novietne
[Project Site]

PHOTO FIXATION



View from the entrance of the site



View from the site to the main entrance



View to the site from South-West side

SWOT ANALYSIS

SWOT ANALYSIS

strengths

scenic relief

isolated

Arrangement of existing greenery allows to not worry about new function and amenity arrangement

weaknesses

rainwater collection

Non-existant pavement

=

no accessibility

Lack of function, site is unused

opportunities

Some residents expressed a wish to take part in urban gardening

Local residents seem active and positive about taking care of the coryyard

threats

Some residents are not ready to take care of the future project.

Unsavory character (like drunks, drug addicts, vandals & thieves) occurrence threaten to make the site unsafe

Expensive and nondurable materials may be easily damaged or stolen

DESIGN TASK

Design task denotes 4 main points:

- Safety improvement (lighting; video surveillance)
- Accessibility (pavement; steps and ramps)
- Slope protection
- Activity provision (urban gardening, meeting place; playground elements)

DROŠĪBA
[SAFETY]

PIEEJAMĪBA
[ACCESSIBILITY]

Additional values to be implemented in the design:

- A. **Preserve the hills**
- B. **Cover up unpleasant views**
- C. **Interfere with terrain as little as possible**

AIZSARGĀŠANA
[PROTECTION]

AKTIVITĀTE
[ACTIVITY]



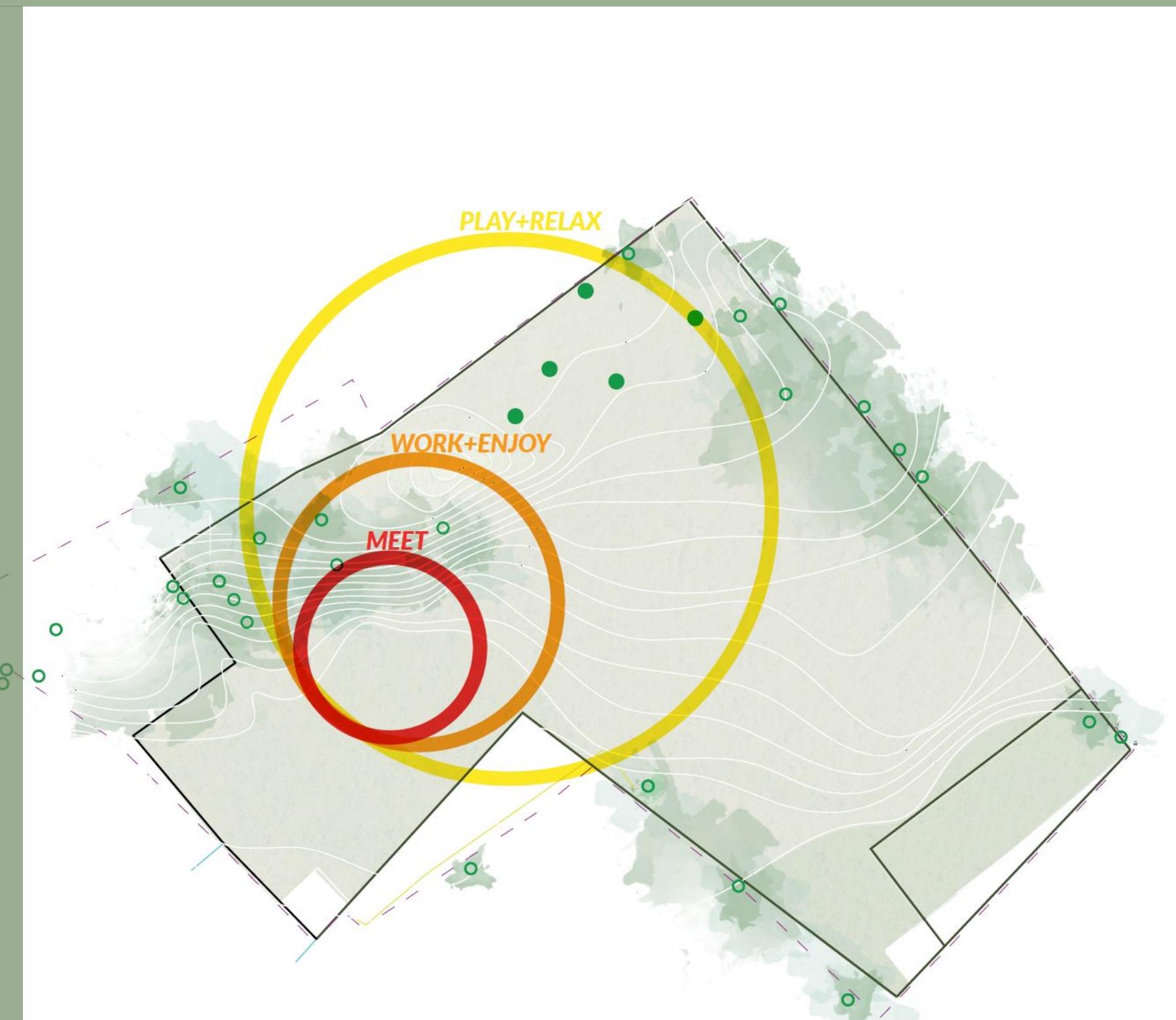
CONCEPT EXPLANATION

Design concept proposes dividing the territory into 3 zones / rings. Having the main idea of creating a meeting spot for residents of surrounding buildings - the center platform which is surrounded by each subsequent "ring" (zone) proposing a different function.

MEET - a circular wooden platform which transforms into a slope mount and serves as a traverse wall for children's play and doubles up as a slope protection. Complemented with a picnic table that opens up views of the rest of the area. On the South side of the platform, the planned pergola protects those sitting under it from the sun and conceals the view of neighboring sheds.

WORK&ENJOY - City Garden with flower/plant boxes/containers. Newly planted apple trees would form a sealed and sheltered area.

WALK&PLAY - proposed paths provide a more comfortable movement along the usual paths. Swings for children's entertainment.

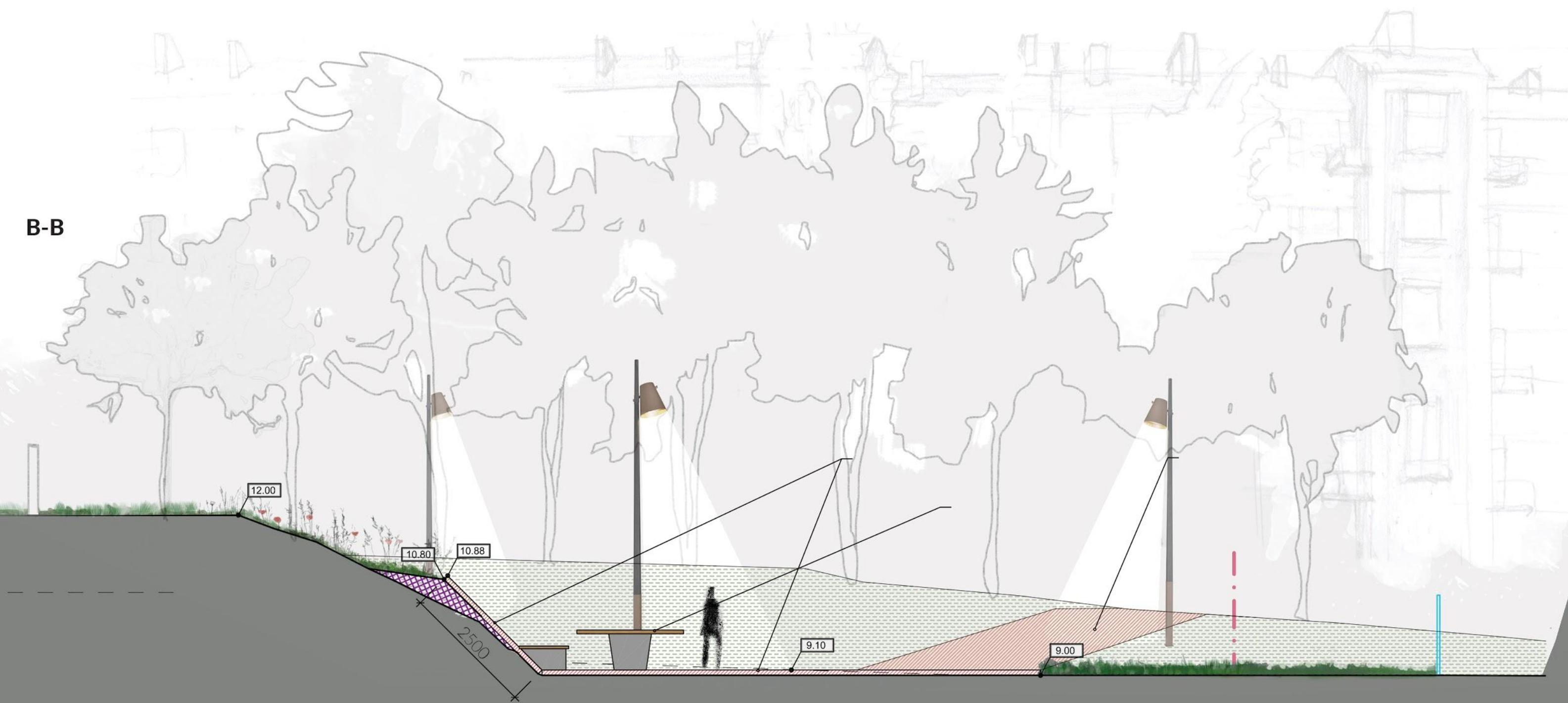


DESIGN PROPOSAL



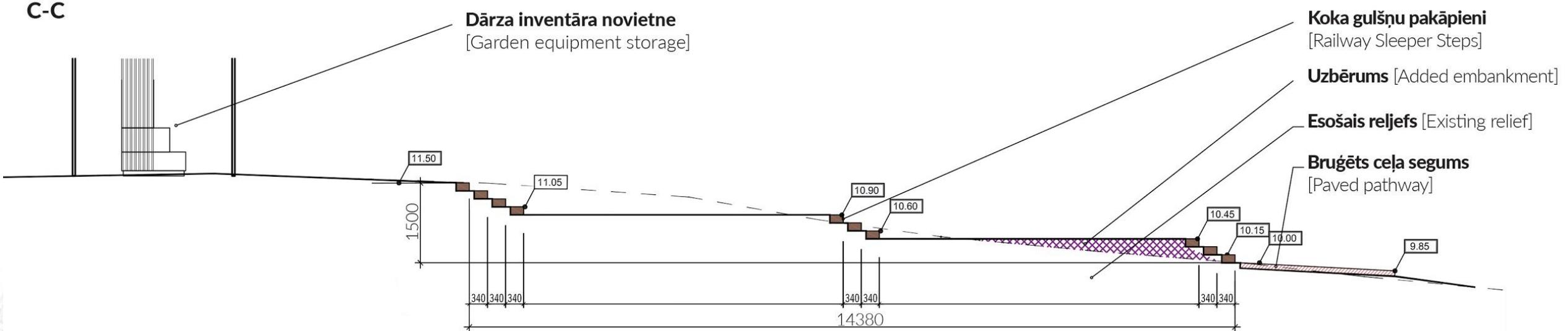
MASTERPLAN OVERVIEW



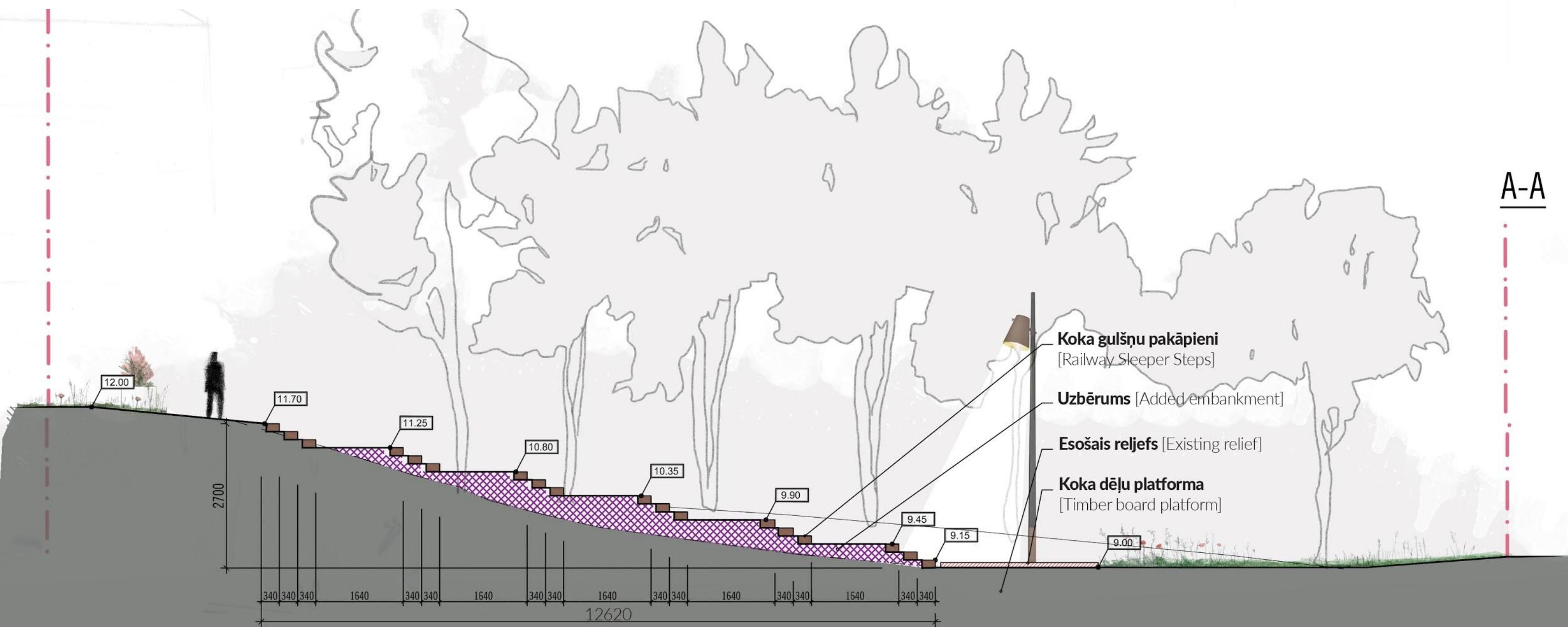
DRAWINGS: section

DRAWINGS:sections

C-C

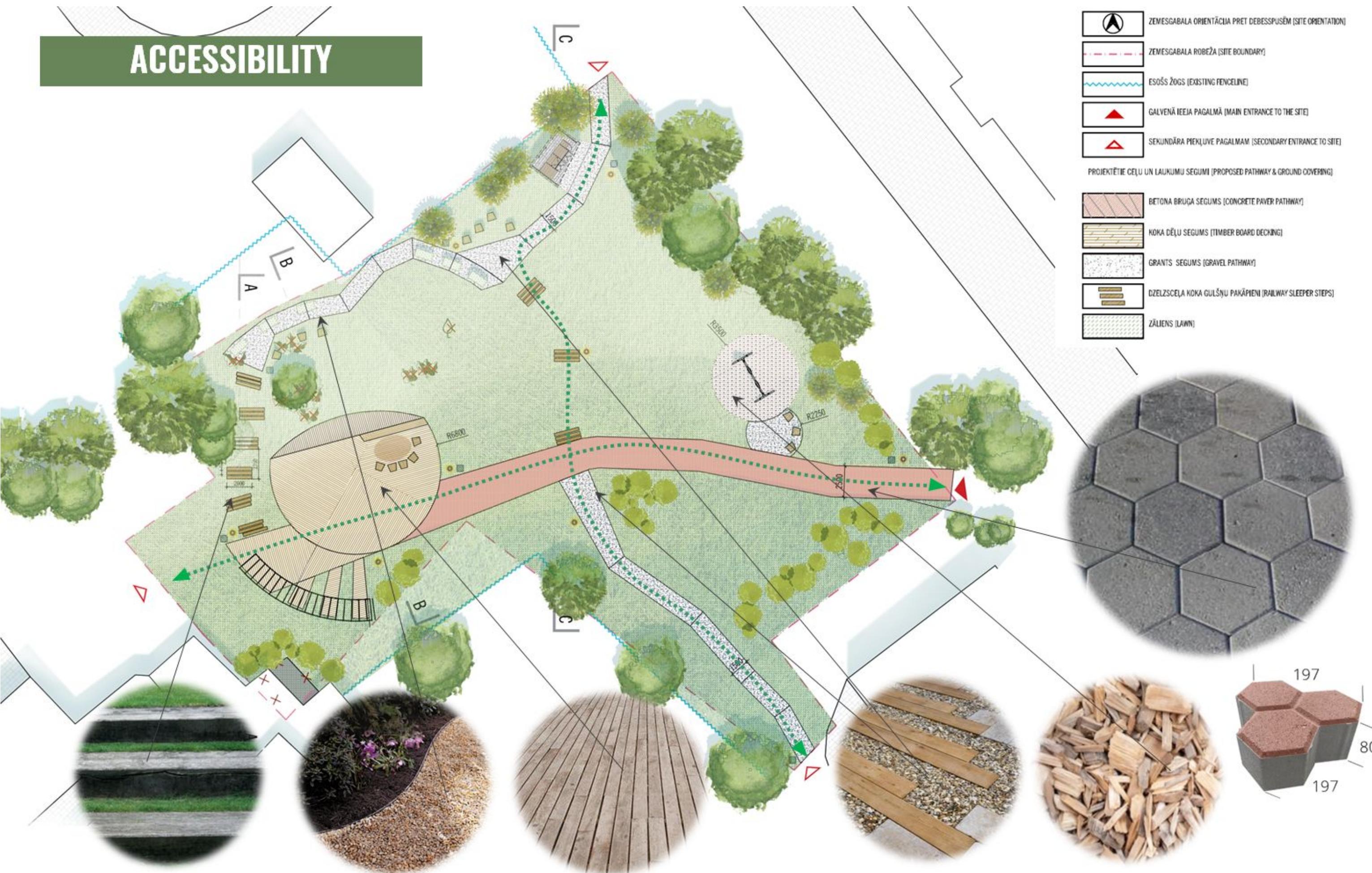


A-A



PATHWAY PAVEMENT

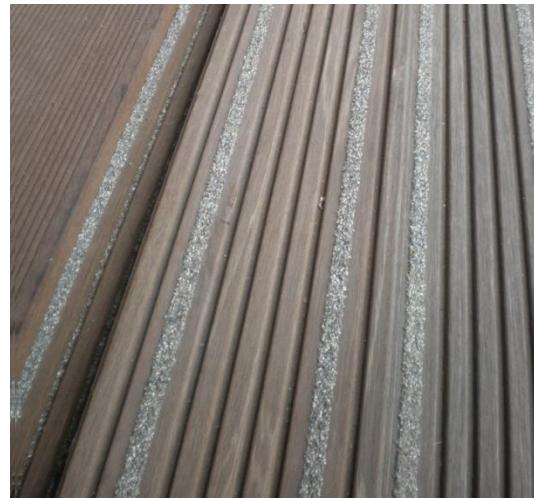
ACCESSIBILITY



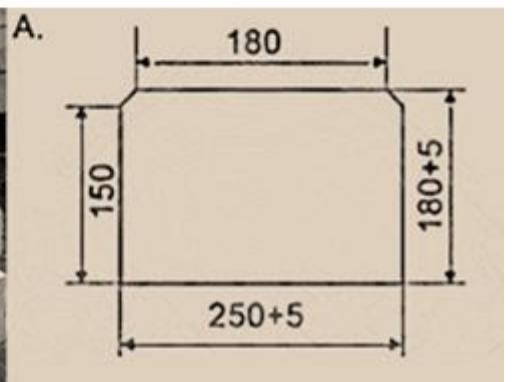
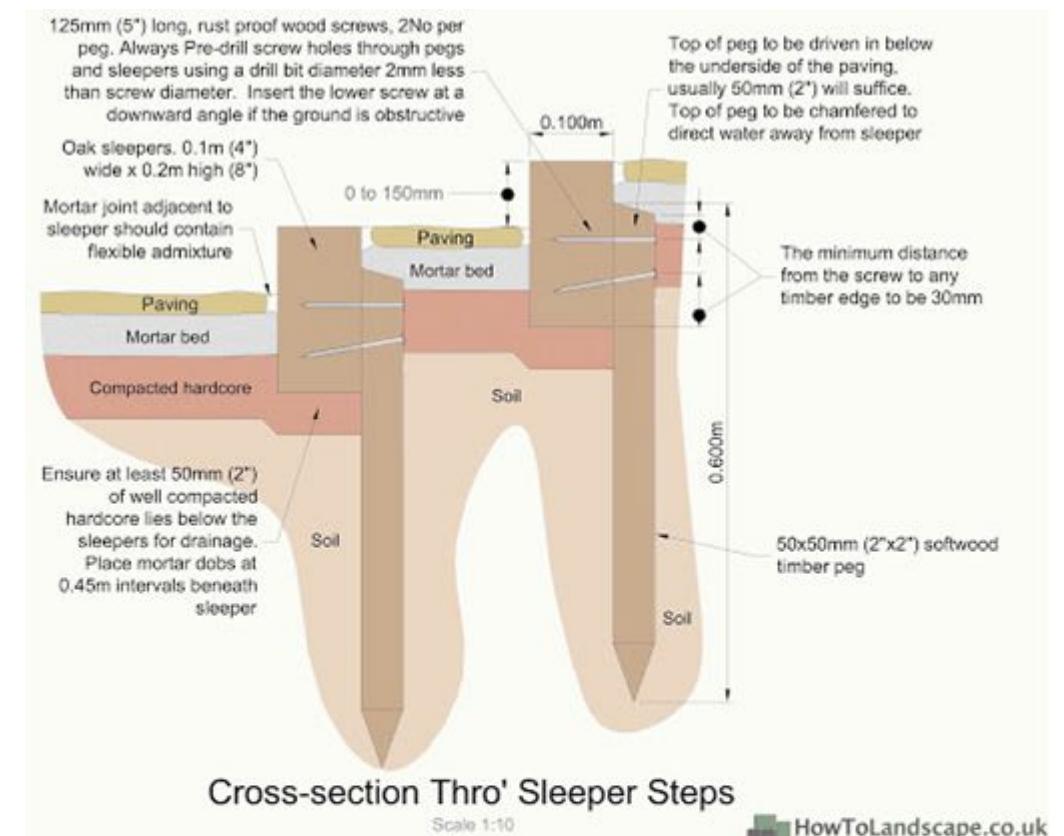
PATHWAY PAVEMENT: problems & solutions

Possible solutions for proposed timber paths & steps to make them non-slip:

- Paint on anti-slip decking product for wooden decks (like Anti slip decking paint; Non slip decking varnish; Anti slip decking oils & stains)
- Non-slip decking with inlay strips
- Steel inlay in timber steps



Possible solution for Railway sleeper step fastening in terrain



SAFETY



EQUIPMENT

SIT

INDIVIDUAL BENCH
BY FÁBIO SOUSA

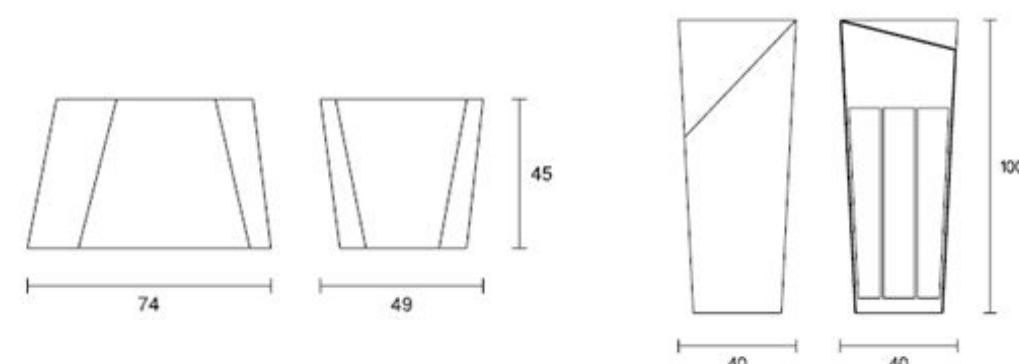
REF. 611

MATERIAL:
IRON + WOODWEIGHT:
36 KGDIMENSIONS:
74 X 49 X 45 CM

VECTORS DRAWING:



Bench



SIT

LITTER BIN
BY FÁBIO SOUSA

REF. 612

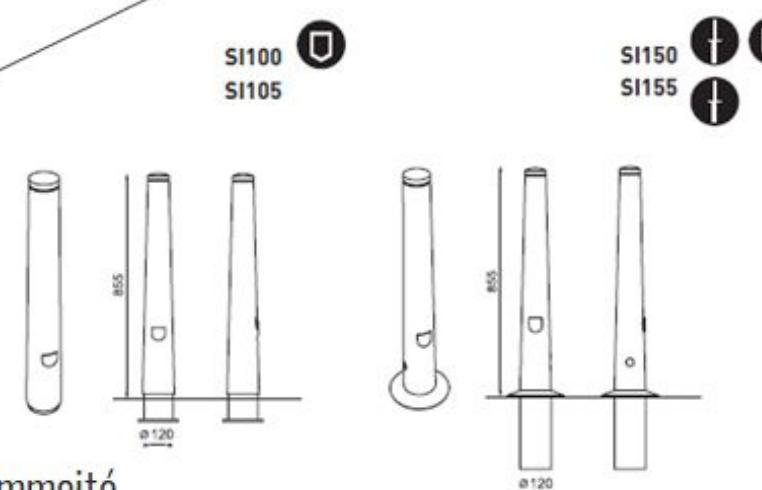
MATERIAL:
IRON + WOODWEIGHT:
52 KGDIMENSIONS:
40 X 40 X 100 CM

VECTORS DRAWING:

Manufacturer: SIT
Collection: Skew

TECHNICAL SHEET

CATALOGUE

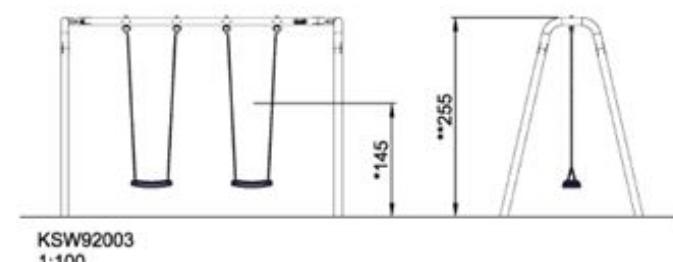
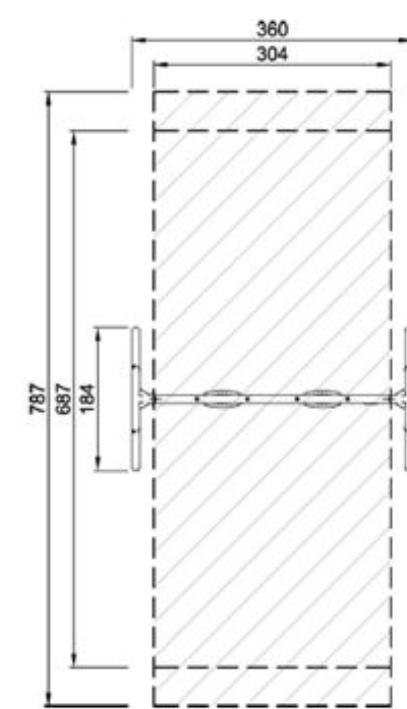
Manufacturer: mmcité
Collection: Isac

Litter bin

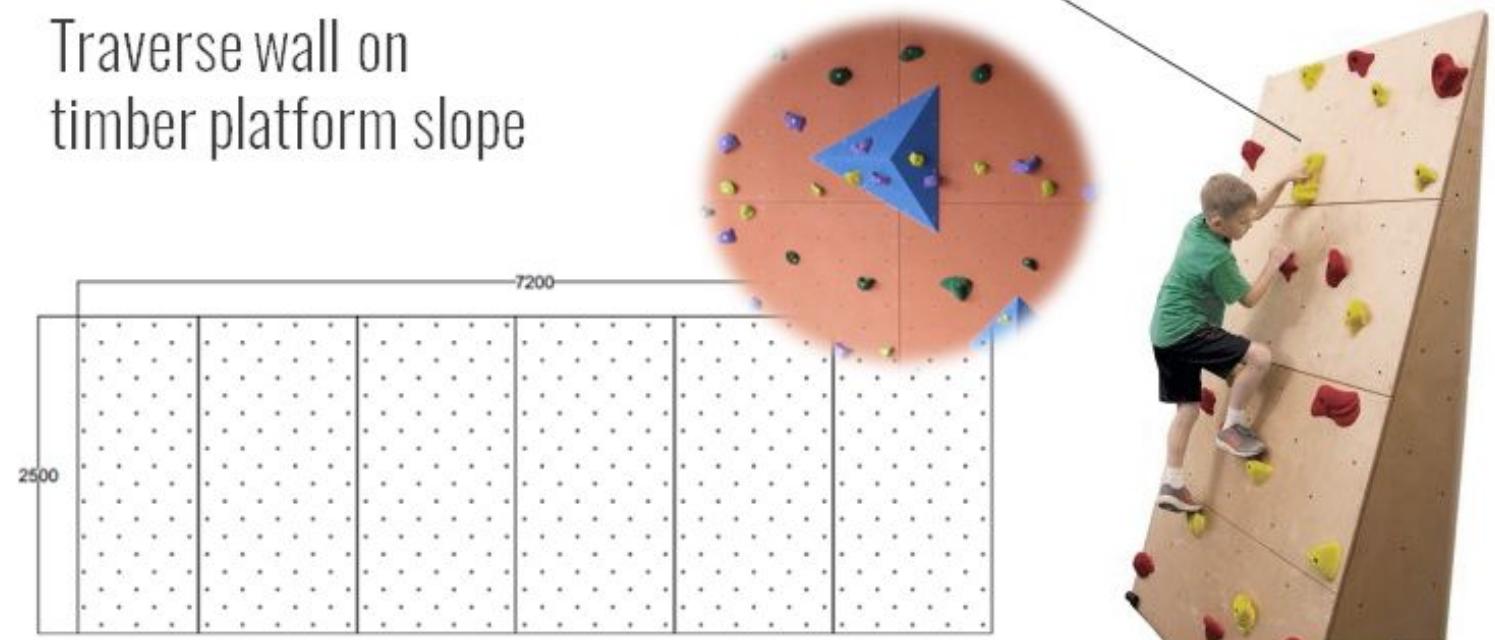
Bollard

PLAY EQUIPMENT

ACTIVITY



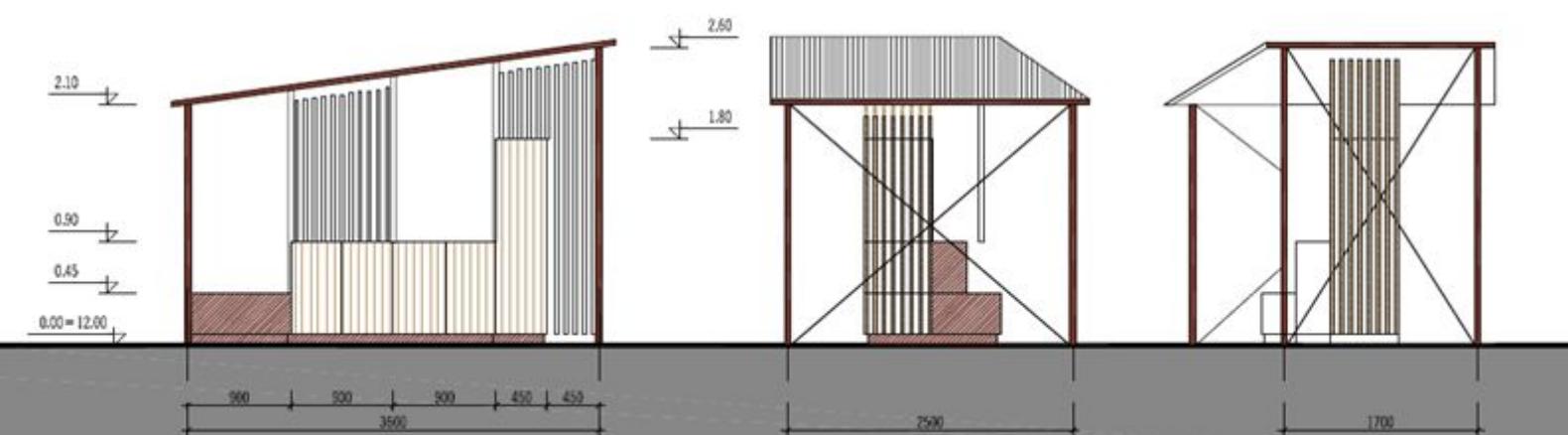
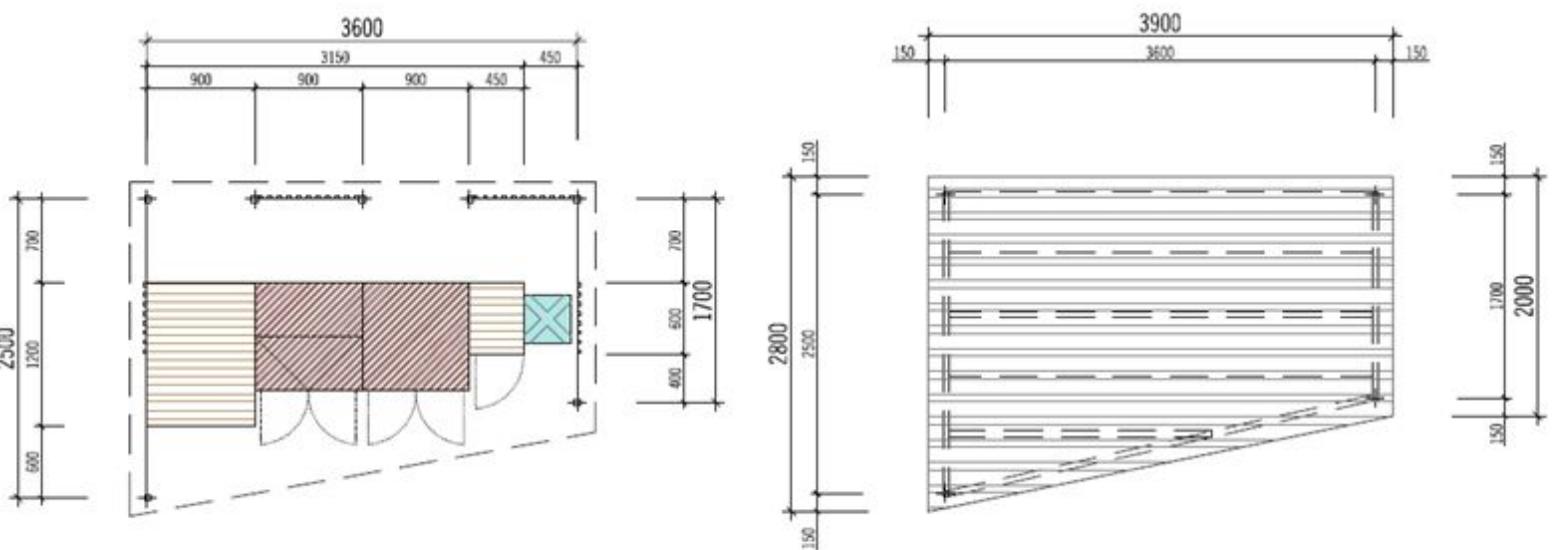
Traverse wall on
timber platform slope



URBAN GARDEN

ACTIVITY

Raised flower / vegetable beds for urban garden inside planters made out of iron sheets with approximate dimensions 1500x650x450 mm



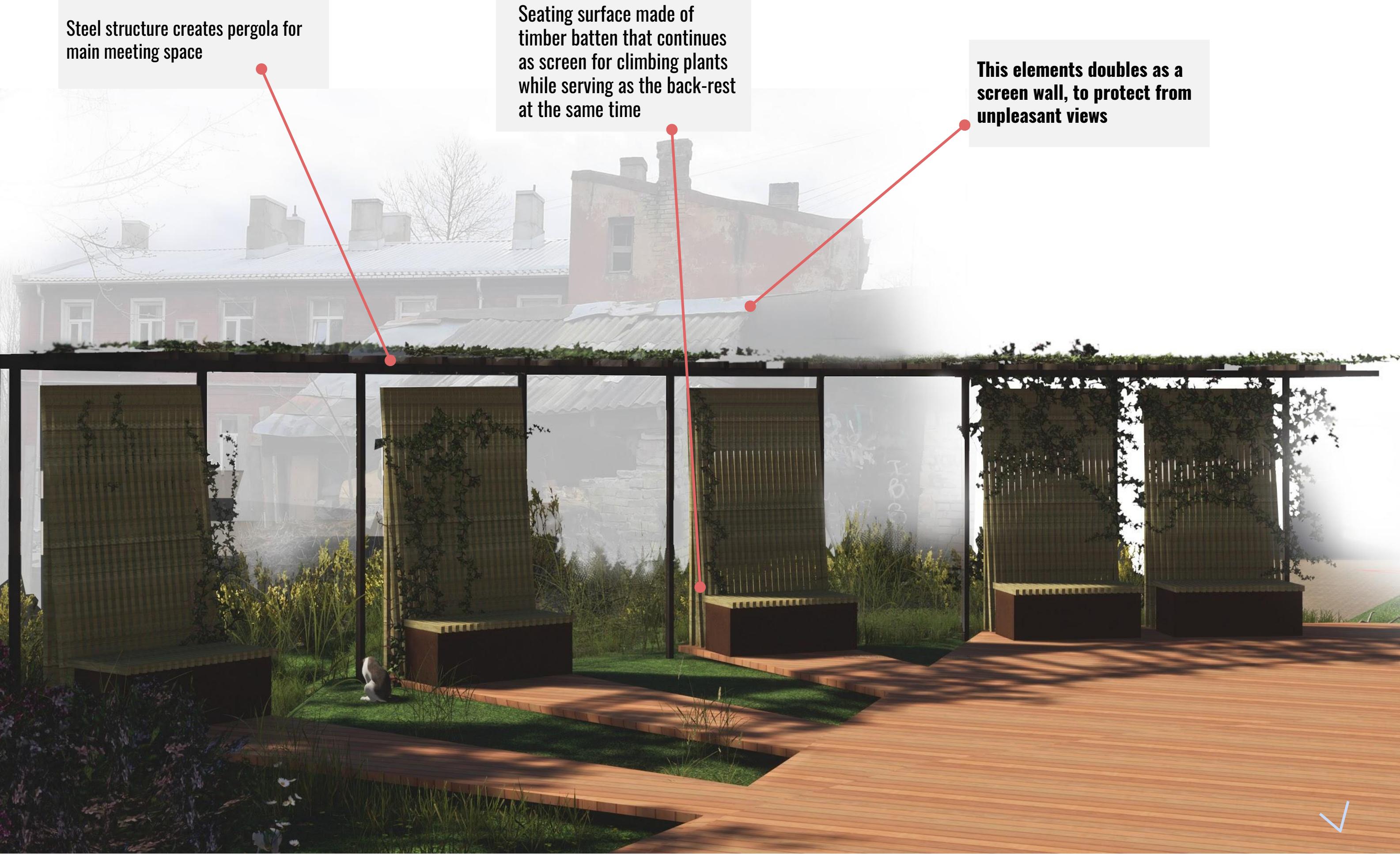
Gardening equipment storage and water supply access.

PEGROLA + PLATFORM

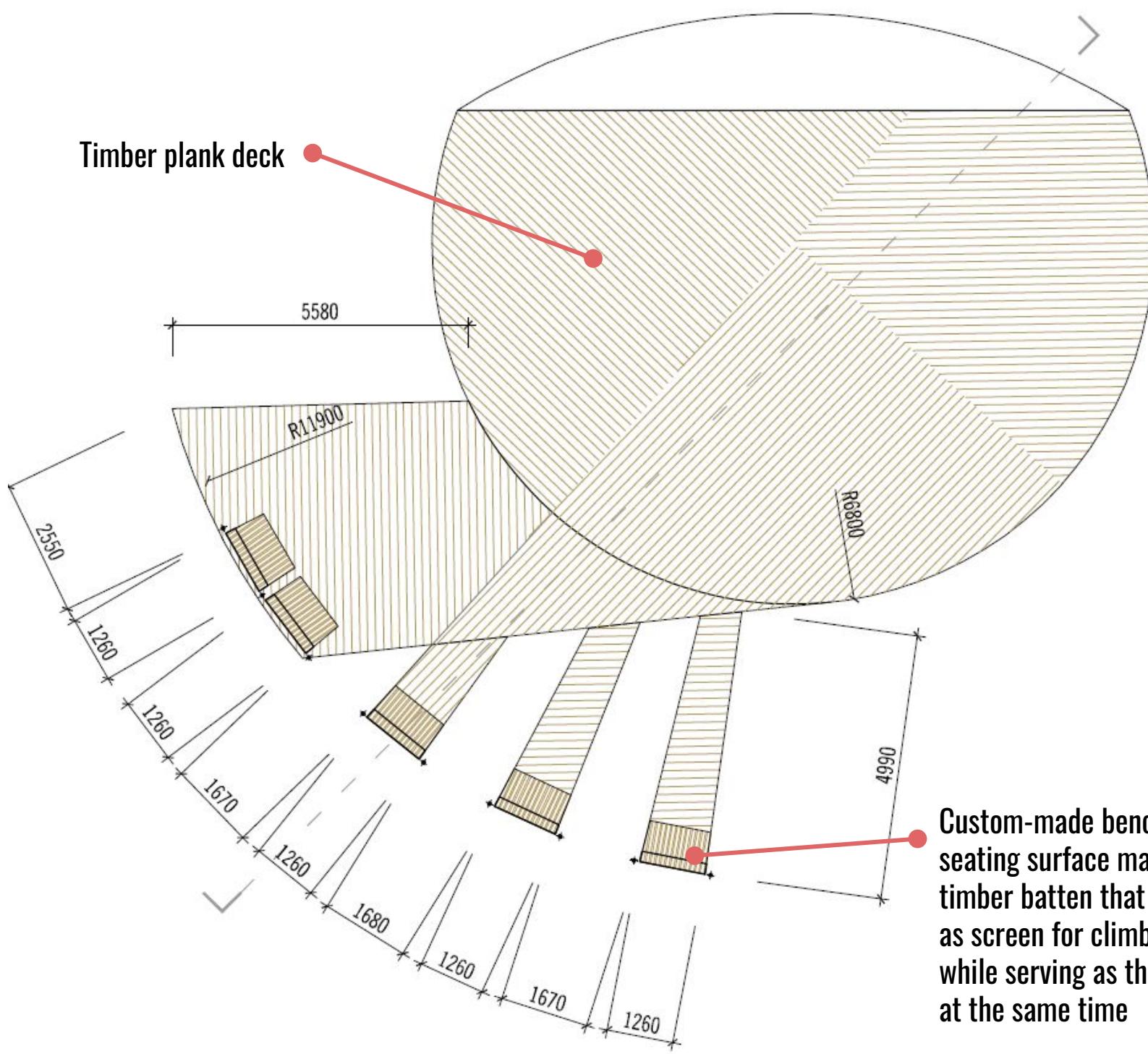
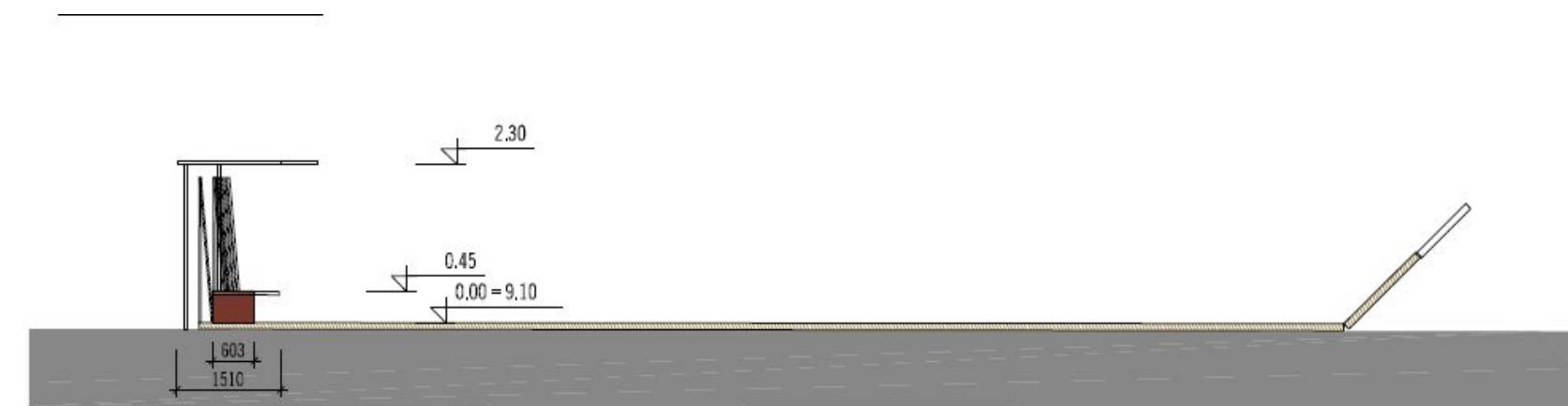
Steel structure creates pergola for main meeting space

Seating surface made of timber batten that continues as screen for climbing plants while serving as the back-rest at the same time

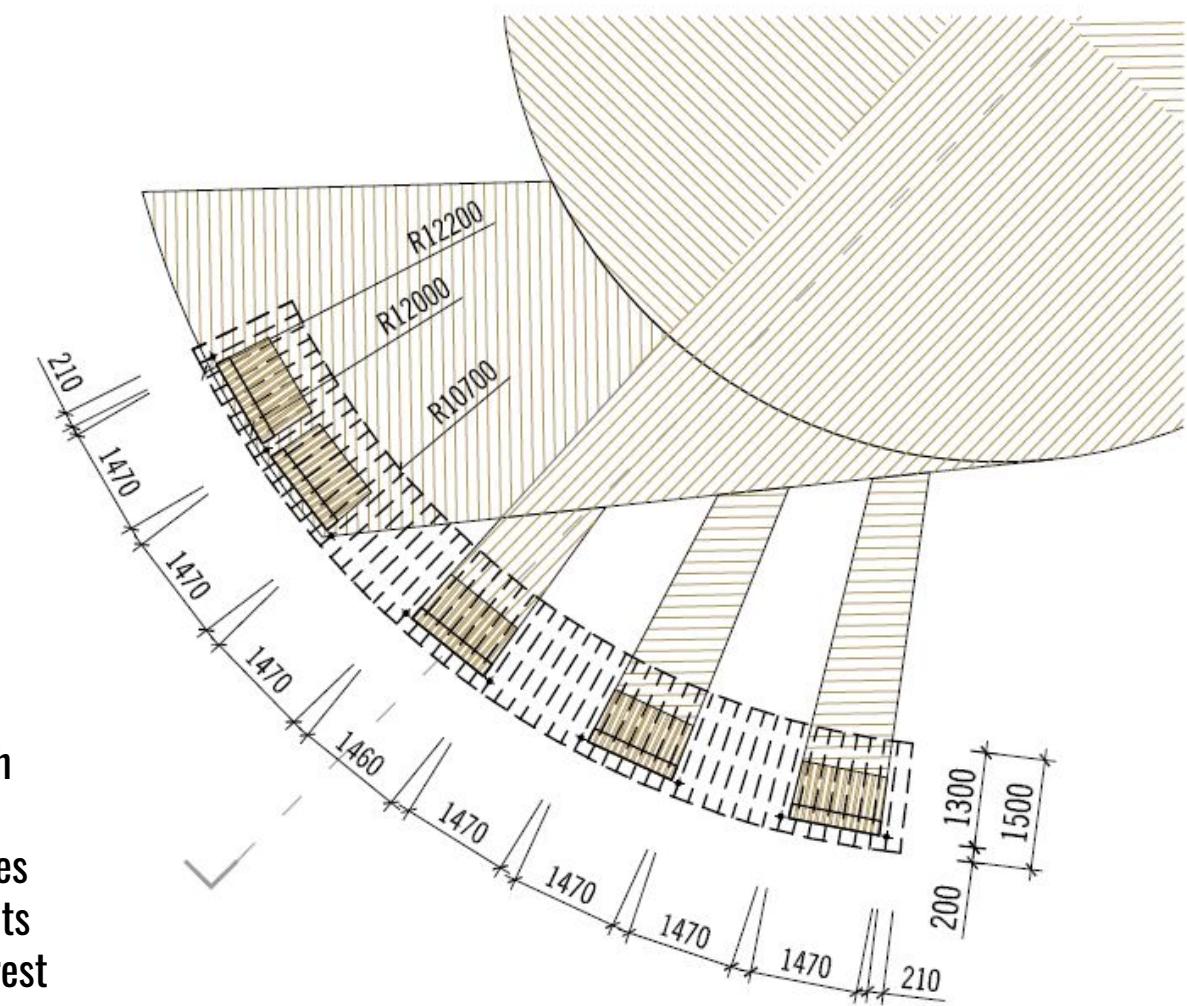
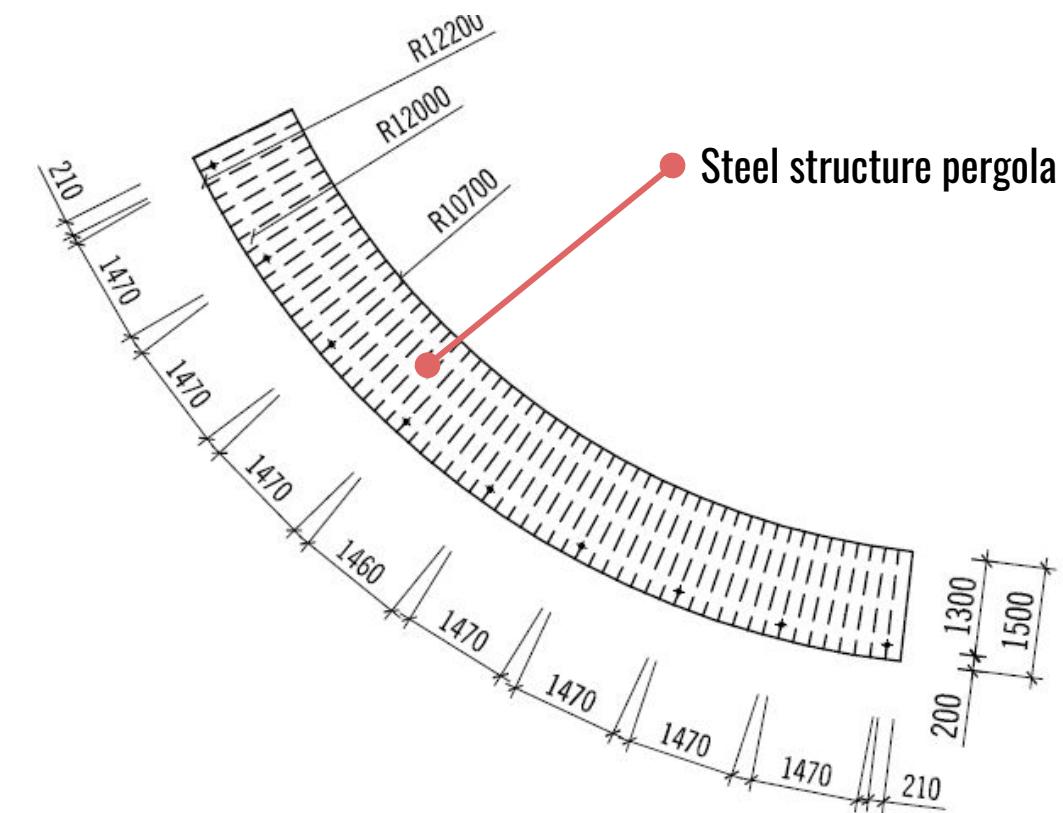
This elements doubles as a screen wall, to protect from unpleasant views



PEGROLA + PLATFORM: drawing

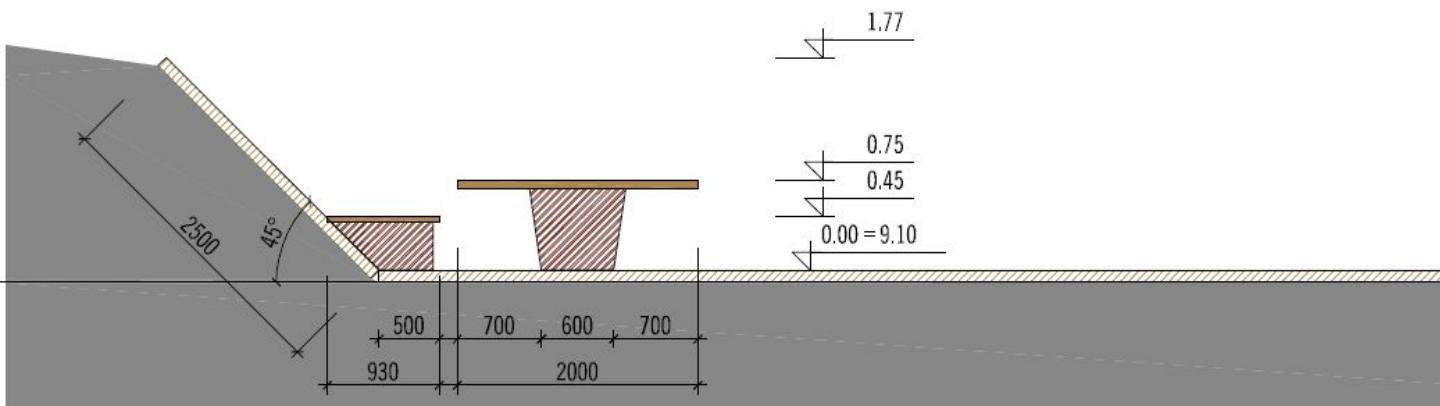
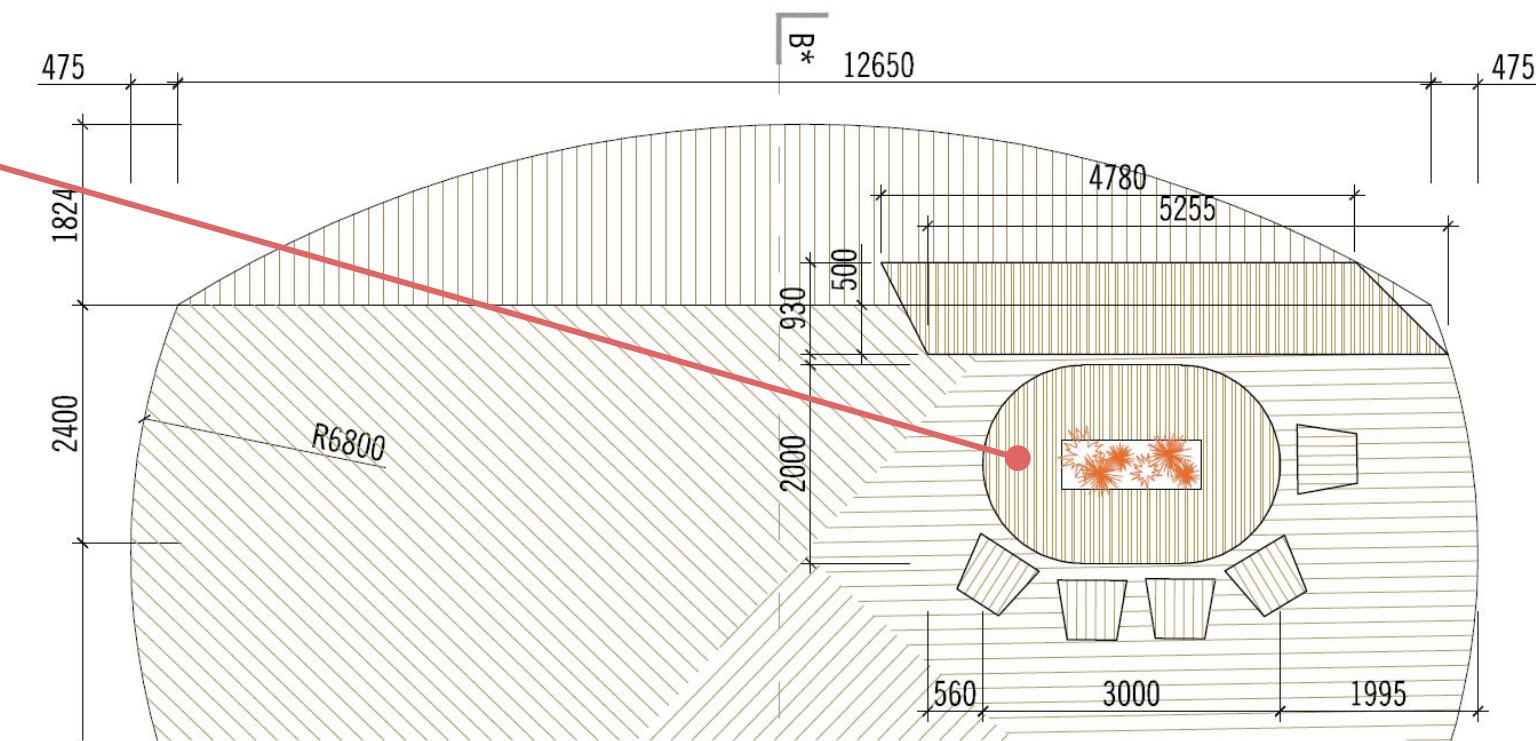
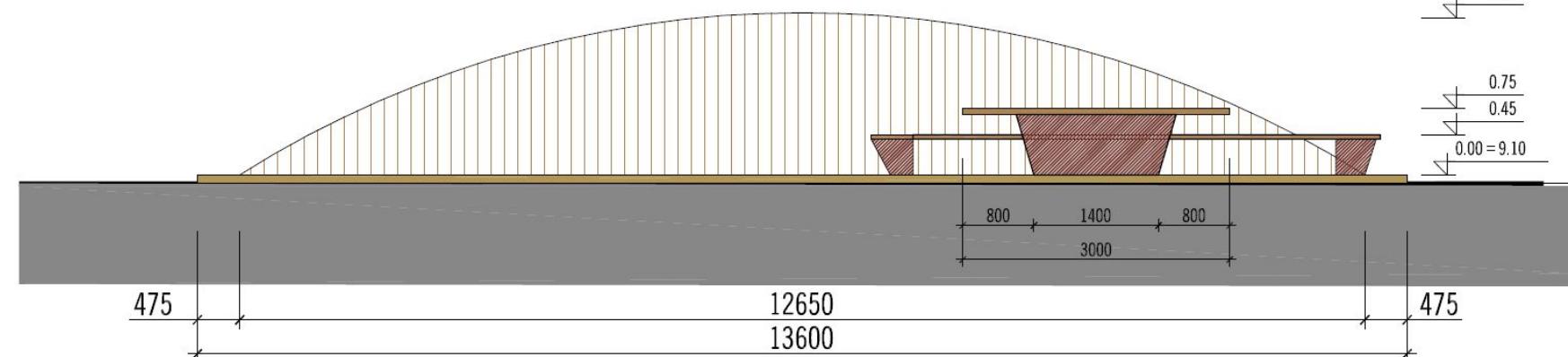


Custom-made benches with seating surface made of timber batten that continues as screen for climbing plants while serving as the back-rest at the same time



MEETING PLATFORM+PICNIC TABLE

Collective dinner&activity table. Made of wooden surface (alternative – steel sheet) with support base made of steel structure and covered with the same type of iron sheet as other proposed site furniture and equipment.
In the center of the table – built-in planter for greenery or herbs.



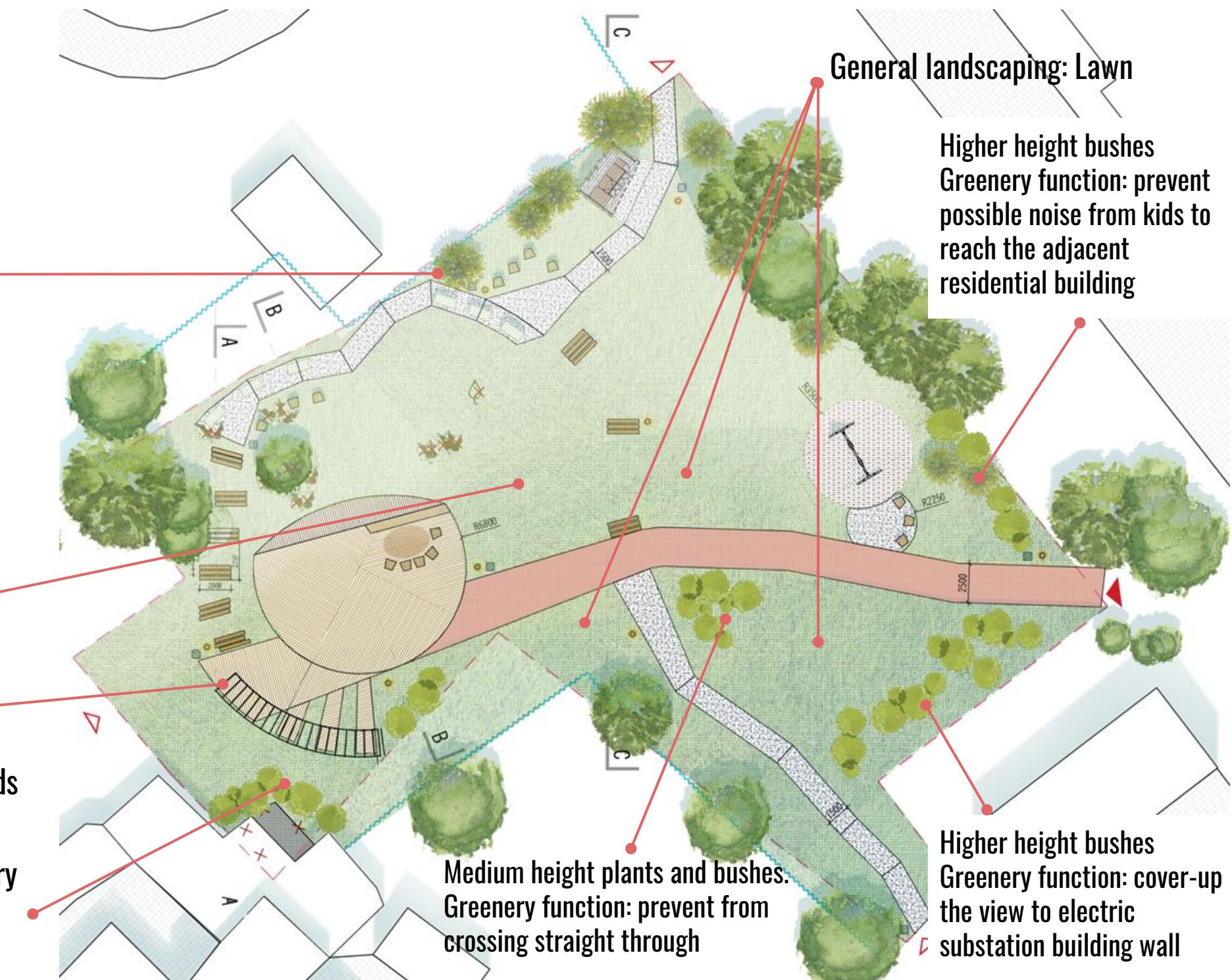
PROPOSED GREENERY



New: Apple trees



General landscaping: Meadow





LOKACIJA: Riga/
Maskavas Forštate/
Lomonosova iela 12

**Maskavas Forštates pagalms
jeb 'Forš-pagalms'**

1843.8 m²

Konceptuāla koncepcija

PLAY+RELAX
WORK+ENJOY
MEET

IEDZIVOTĀJU VĒLMES:
Pilsētas dārzs + [Urban garden]
Bērnu rotālauks (minimālā
sastāvā) + [Playground]
Apgāzmojums + [Lighting]
Video novērošanas kameras + [Surveillance cameras]
Apgāznoša stena + [Wall art]
Piknikas vietas + [Picnic area]

IETEIKUMI:
Nostiprināt nogāzes & saglabāt
releju [Fortify slopes & preserve existing
relief]
Neierikot pārkāpīgus
apstādījumus, jo mežā zīgā ar tos
[Don't use expensive plants, because
of thievery]

SŪDZĪBAS:
Nesakopta vieta, pārkāpīg
zemes apjomība
Pārkāpīgs zālumu
Pārkāpīgs zālumu
Mērogs [Scale] 1:250

Zemgaļu orientācija pret debesīiem
Zemes apjaunība robeža [Site boundary]
Esoši zāļu ceļi [Existing paths]
Galvena ieieja pagalmam [Main entrance]
Sekundārā ieieja pagalmam
[Secondary entrance]
Projektētie celu un laukumi segumi

Betona bruņa segums
Koka dēļu segums [Timber decking]
Grants segums [Crave pathway]
Dzelzceļa koka guļu pakāpēni
Zāļiens [Lawns]

Esošie un projektētie koki un apstādījumi
Esošie apstādījumi (existing trees and greenery)
Saglabājumi esošie koki
Nocērtāmi esošie koki
Projektētie abeļu koki
Projektētie krūmu grupas
Projektētie zemei apstādījumi
Projektētie vēja apstādījumi
Projektētie pilsetdarza iekārtojumi
Projektētie apgaismojuma elementi

Soliņi [benches]
Plākni galis ar sēdvietām
Atrātuvi umas [Boulders]

Pergola [Pergola]
Projektētie pilsetdarza pieprasītie novietinājumi

Dārza inventāra novietne
Esošais reliefs [Existing relief]
Uzbērumi
Koka guļu pakāpēni
Brūģis ceļa segums

C-C
Dārza inventāra novietne
Esošais reliefs [Existing relief]
Uzbērumi
Koka guļu pakāpēni
Brūģis ceļa segums

B-B
Koka dēļu platforma
Kopīgais Pusdienu/
Nedēļību gālis
[Picnic table]

A-A
Koka dēļu platforma
Kopīgais Pusdienu/
Nedēļību gālis
[Picnic table]

**RISEBA
FAD**
Faculty of Architecture and Design

**RIGAS DOMES
PILSETĀS ATTĪSTĪBAS DEPARTĀMENTS**

Authors: Jeļizaveta Lavrentjeva, Ingrīda Dreimane
Date: 26.04.2020.

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Having the main idea of creating a meeting spot for residents of surrounding buildings
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WORK+PLAY – City Garden with flower/plant boxes/containers. Newly planted apple trees will form a sealed and sheltered area.

PLAY+RELAX – proposed paths provide a more comfortable movement along the usual paths. Swings for children's entertainment.

THANK YOU FOR ATTENTION
&
have a nice day