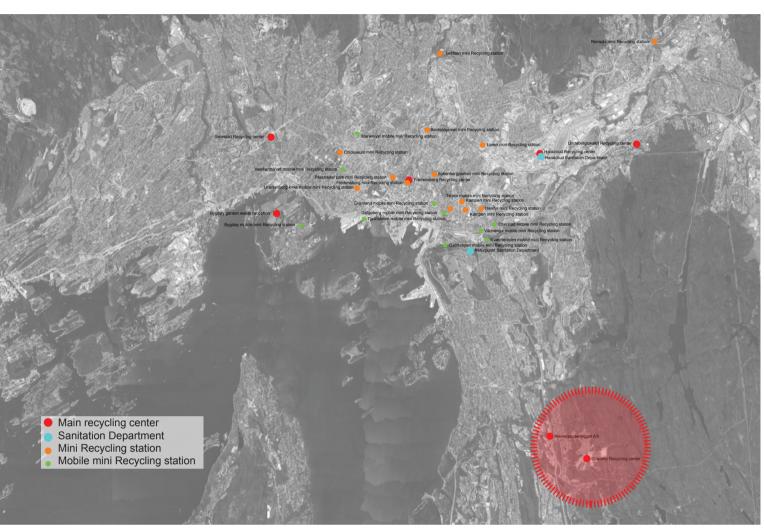
New Grønmo Park

time, the current rubbish functions, material recycling, material composting and material sorting will be kept and be converted sustainable within the idea of the public park. The whole Grønmo area is around 42.5 hector. This transformation will reaffirm the qualities of river, forest, field site with the concept to infill new experiences into the area. There could be new activities in this area, including recycling learning classroom, birds watching, hiking, campfire festival, bicycle group gathering, picnic, Christmas tree market etc. This transformation project includes new organisation system of material collection, 2nd hand market, new organisation system of material sorting, new organisation of material composting, visitor centre, new system of contaminated water cover with green dressed. filtering. To be able to connect the area to the existing morphology and natural environment of South eastern of Oslo, this project is part of the effort to turn the contaminated areas around Oslo into a new landscape scenery. The task of the thesis is on the crossing section of landscape design, architecture infrastructure design and architecture design.

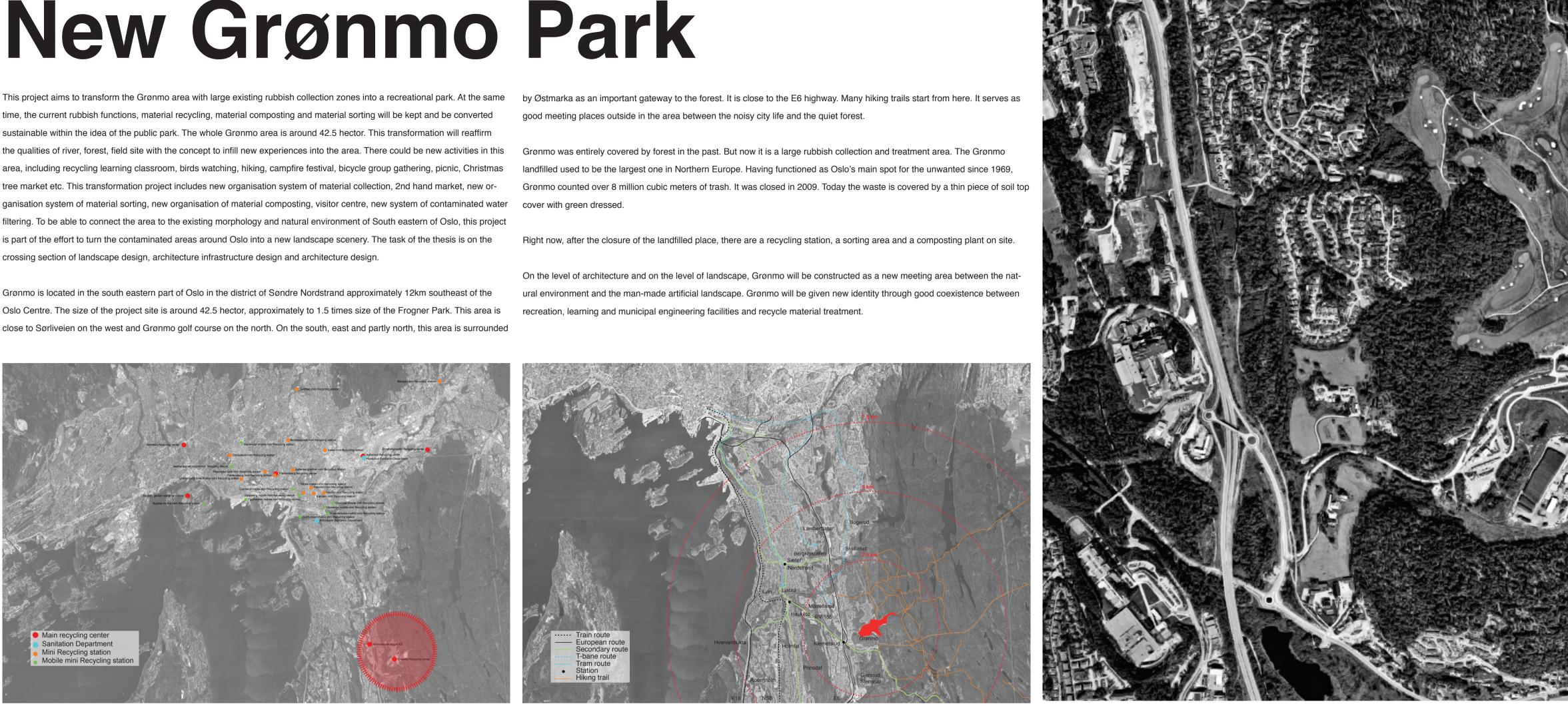
Grønmo is located in the south eastern part of Oslo in the district of Søndre Nordstrand approximately 12km southeast of the Oslo Centre. The size of the project site is around 42.5 hector, approximately to 1.5 times size of the Frogner Park. This area is close to Sørliveien on the west and Grønmo golf course on the north. On the south, east and partly north, this area is surrounded

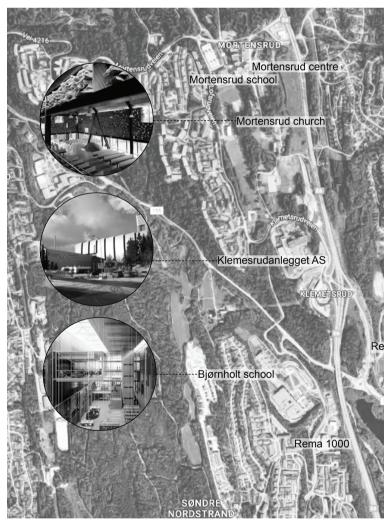
good meeting places outside in the area between the noisy city life and the quiet forest.

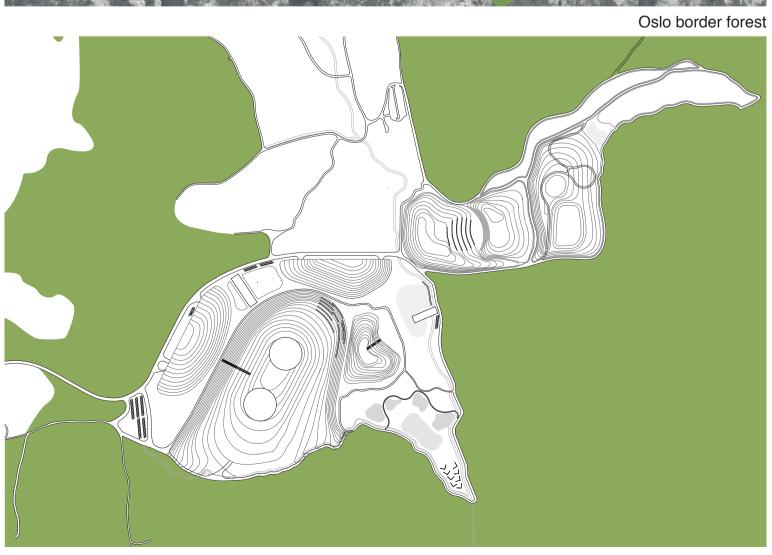
Grønmo was entirely covered by forest in the past. But now it is a large rubbish collection and treatment area. The Grønmo landfilled used to be the largest one in Northern Europe. Having functioned as Oslo's main spot for the unwanted since 1969,



Waste material collection centers layout in Oslo

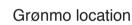






Grønmo border forest







Facilities around Grønmo



"New Grønmo Park" Program

1.Visitor center, 810 m2

Restaurant and Cafe Small auditorium Small exhibition space Office

2. 2nd hand flea market, 1336 m2

Outside space: temporary market space

Inside space: market shops offices

meeting rooms storage equipment rooms

3. Material recycling area, 9100 m2

Outside space: roof

Inside space: material collection containers area administration office storage equipment rooms

4. Composting area, 21385 m2

5. Material sorting and treatment area, 9700 m2

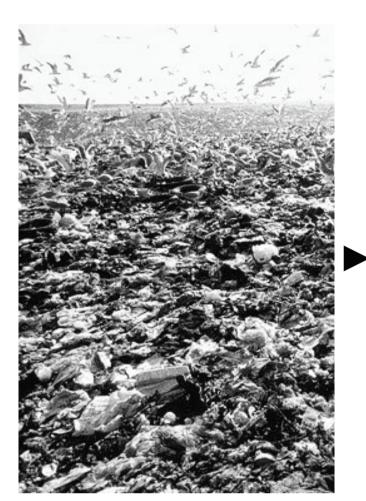
Outside space: roof Inside space: Material sorting and treatment area Operational office

6. Landscape areas

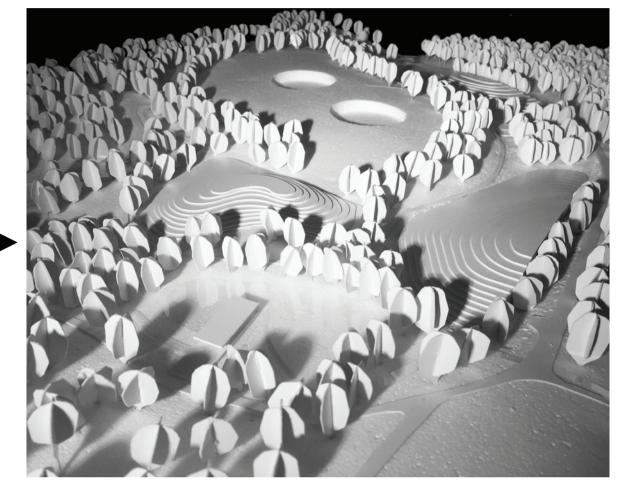
Public area: parking area scenery platform gathering space skating plate landfilled park

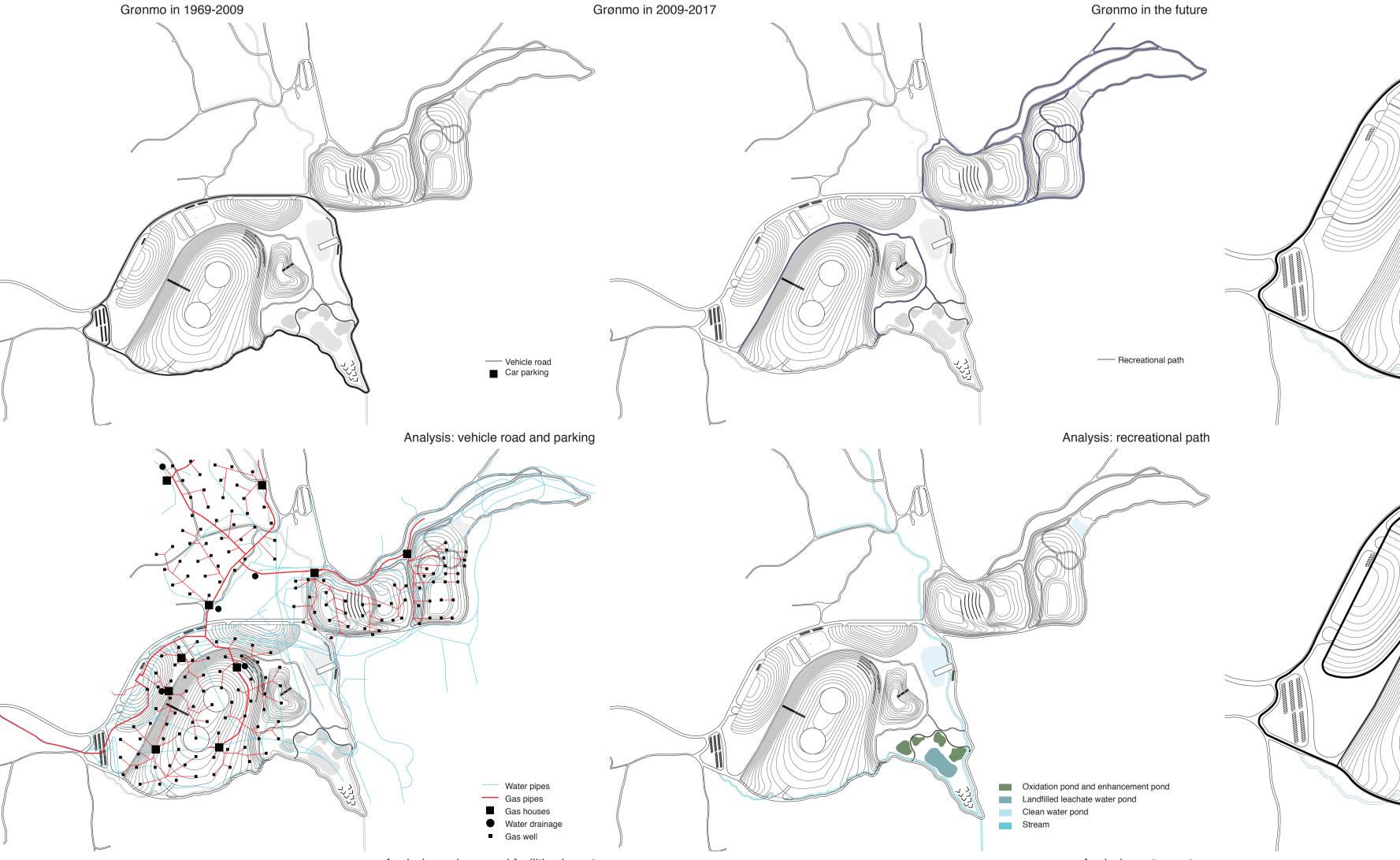
Infrastructural landscape: warm water pond oxidation pond

enhancement pond leachate water pond clean water pond wetland area









- Hiking

Analysis: underground facilities layout

List of new activities in Grønmo

- Kids' learning path - 2nd hand flea market - Compost soil market - Waste material recycling - Birds watching - Scenery viewing - Cafe & restaurant - Composting visit - Bicycle group meeting - Campfire festival

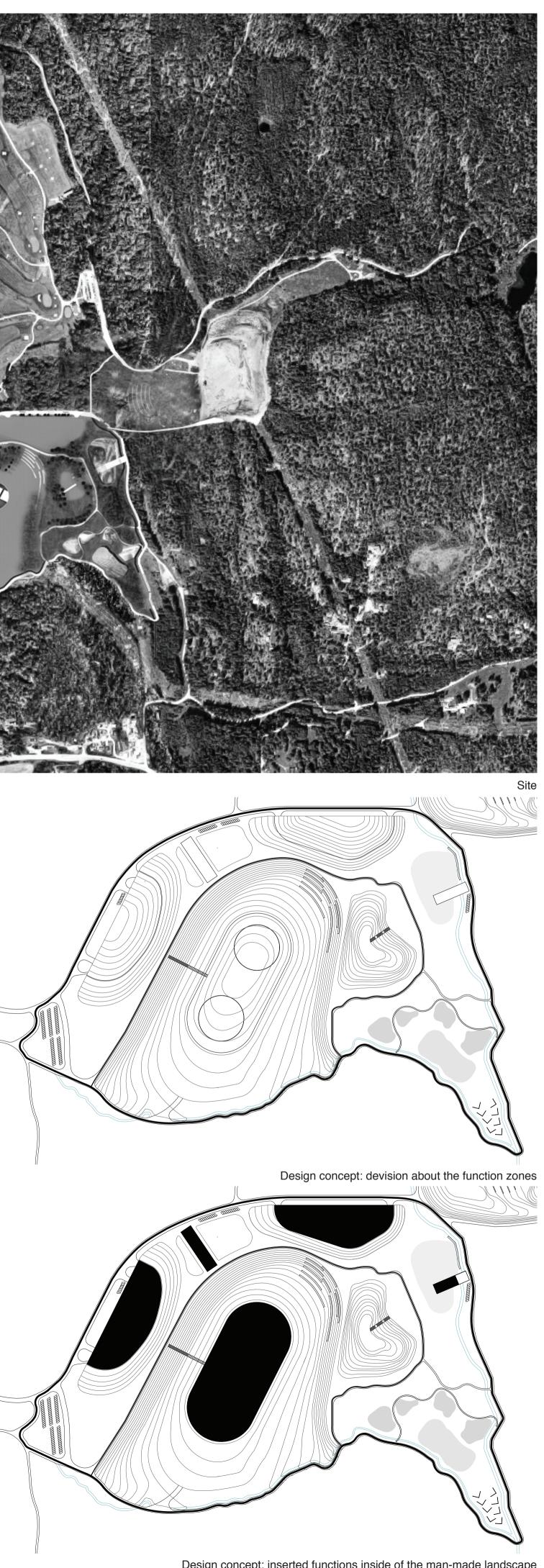
- Winter activities: Christmas tree market Skiing Skating

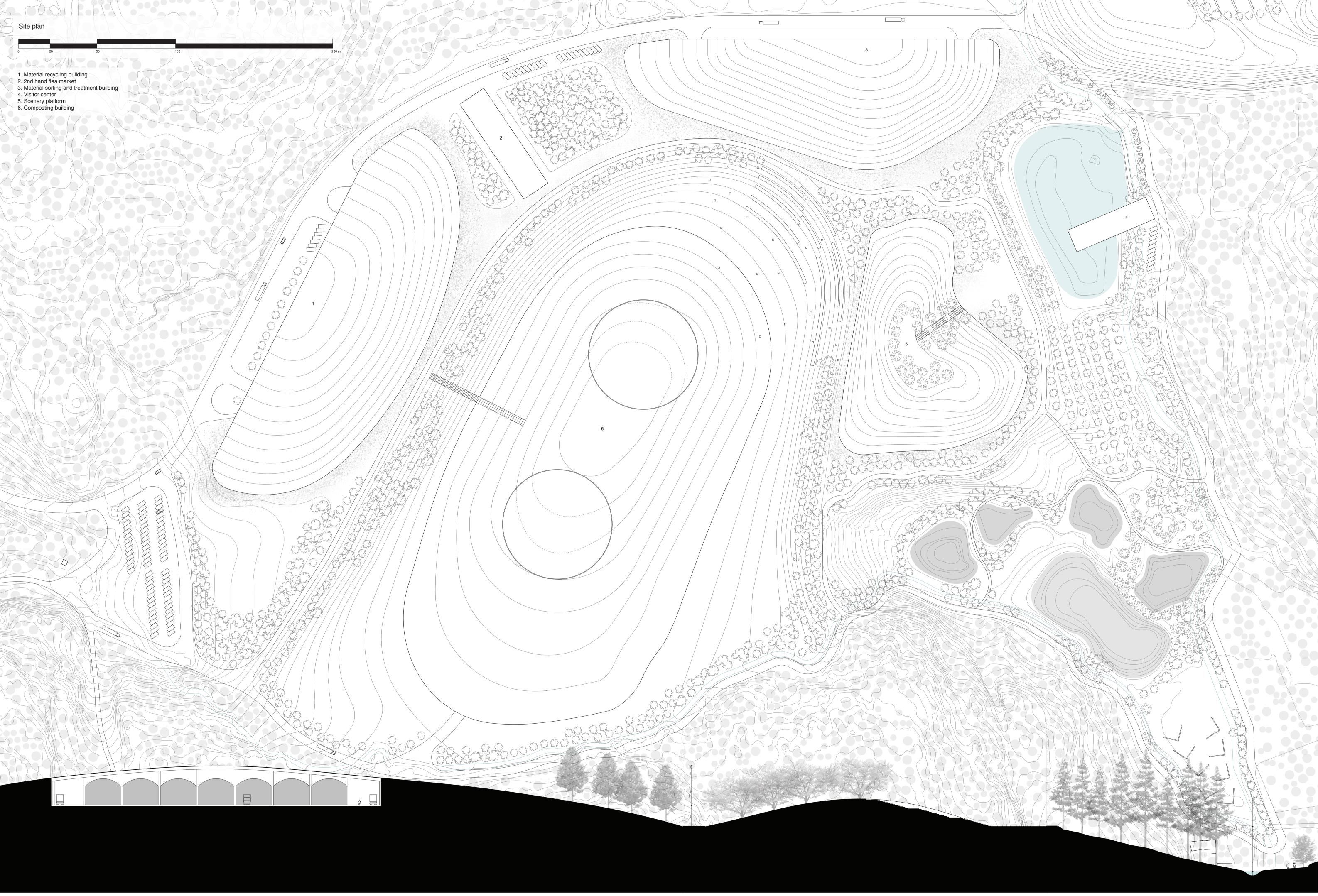
- Summer activities: Picnic Swimming Fruit pick up Kite festival

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Design concept: boundary around the site

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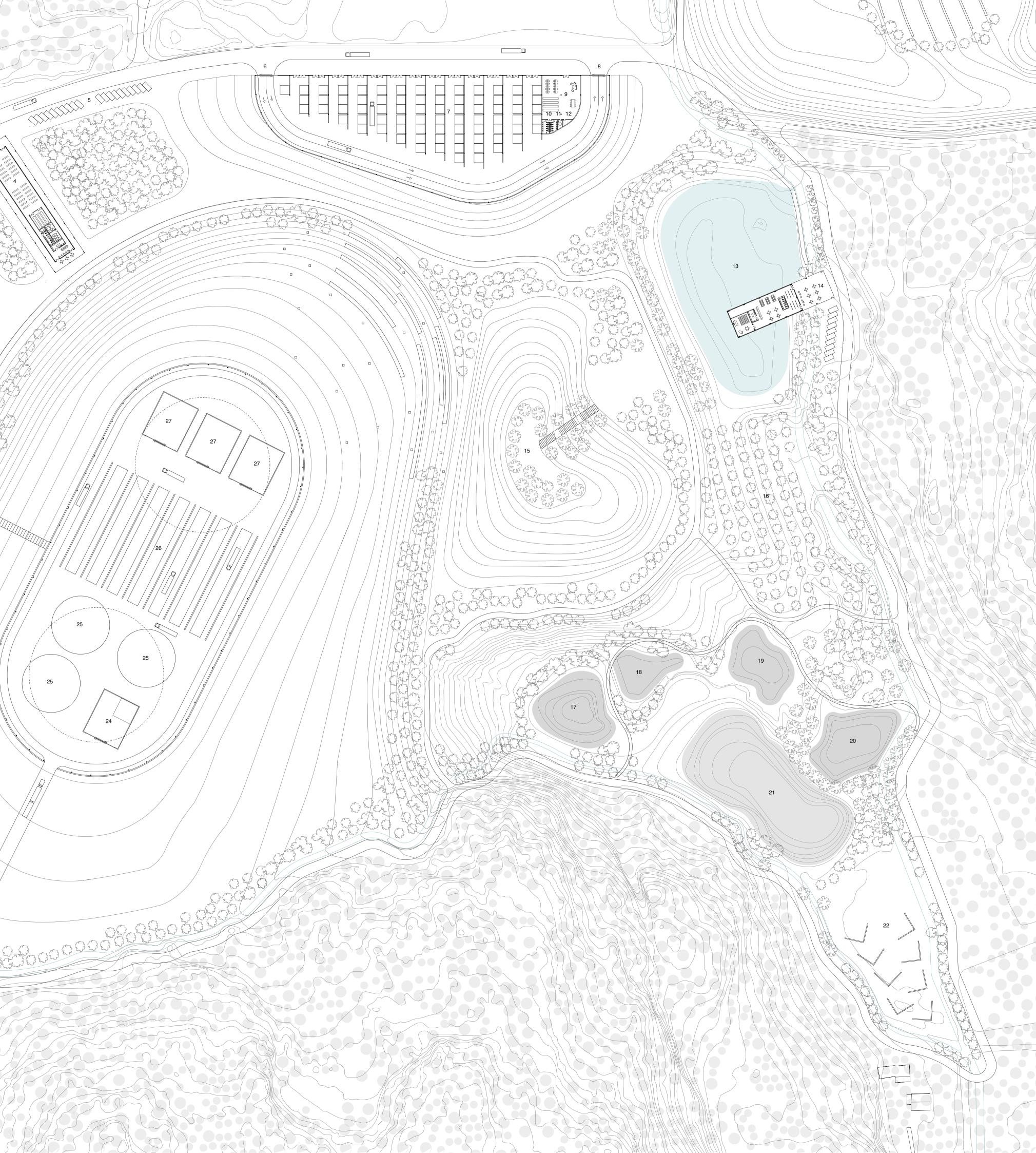
01. Parking for public
02. Material recycling building
03. Parking for staff in material recycling building
04. 2nd hand flea market 05. Parking for 2nd hand flea market
06. Entrance for material sorting and treatment building
07. Material sorting and treatment building
08. Exit for material sorting and treatment building 09. Operational office 10. Toilet 11. Wheelchair Accessible restroom 12. Equipment room 13. Warm clean water pond 14. Visitor center 15. Man-made scenery platform 16. Forest 17. Oxidation pond 18. Oxidation pond 19. Enhancement pond 20. Enhancement pond 21. Leachate water pond 22. Wetland pollution collection area 22. Wetland pollution collection area
23. Tunnel for composting
24. Operational equipment space
25. Raw material storage
26. Composting pad
27. Curing and compost storage 3 En 63 2 (B Eng. E.B Ð

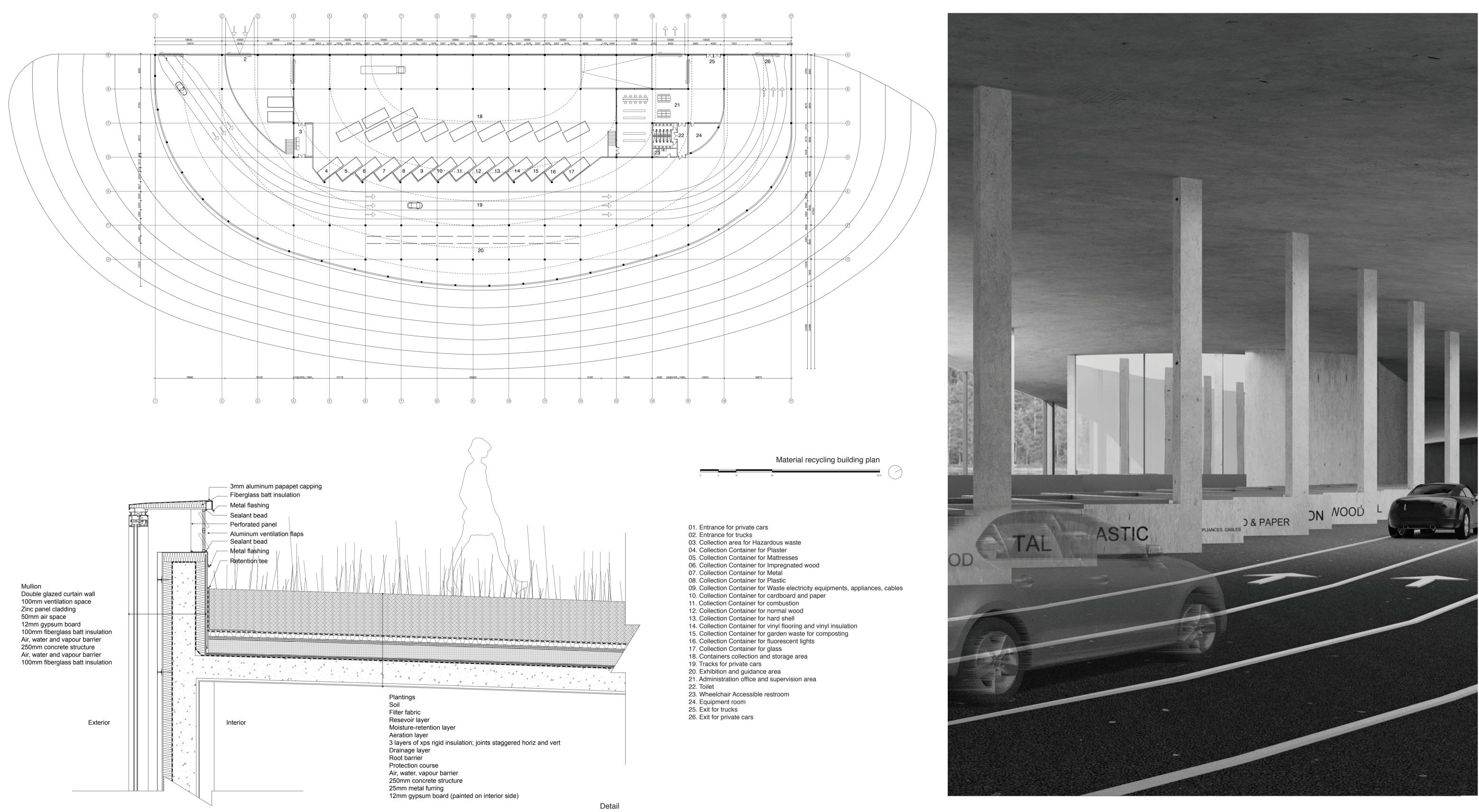
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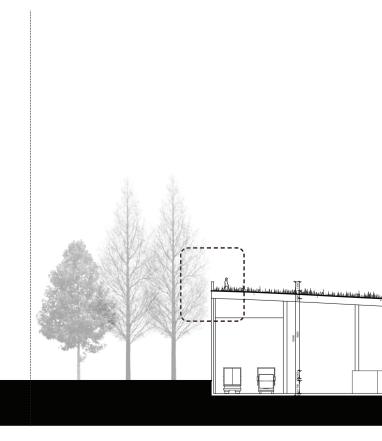
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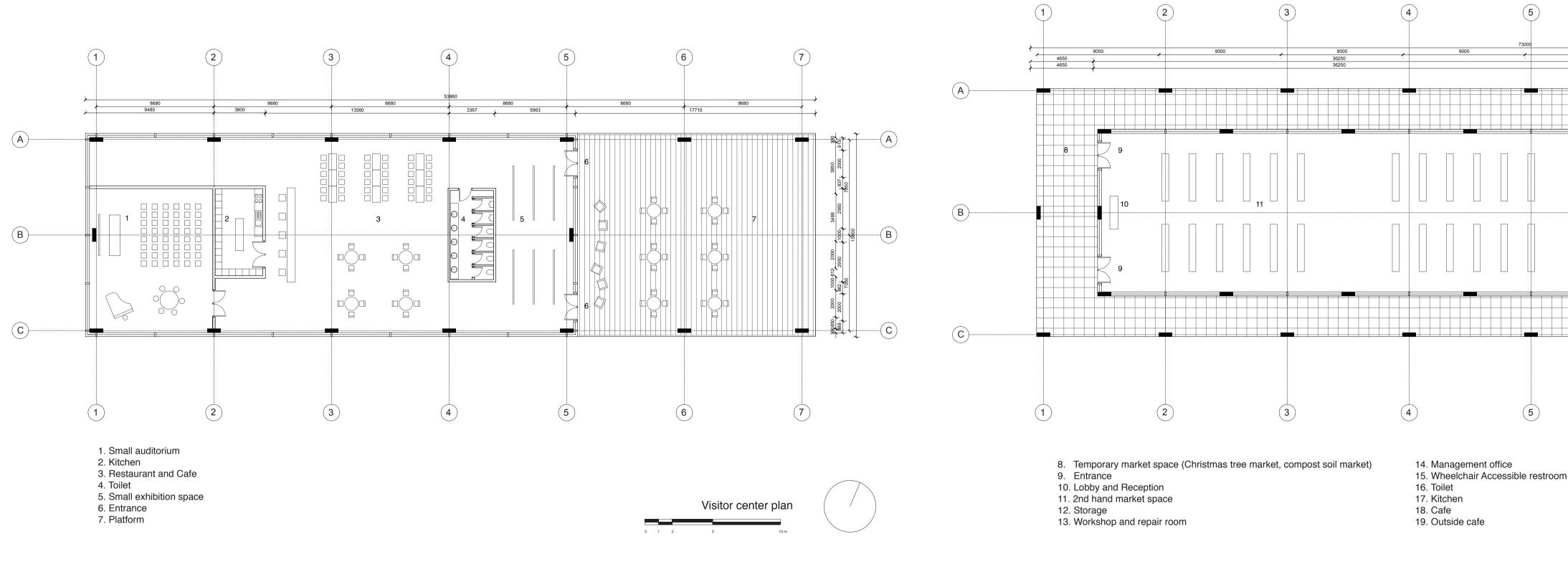
Detail 1:20



Material recycling building interior view

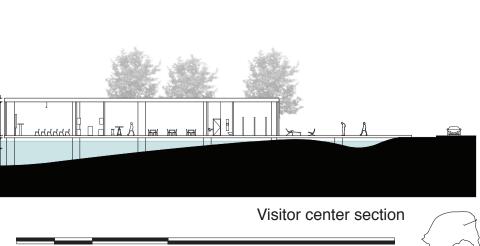
Material recycling building section

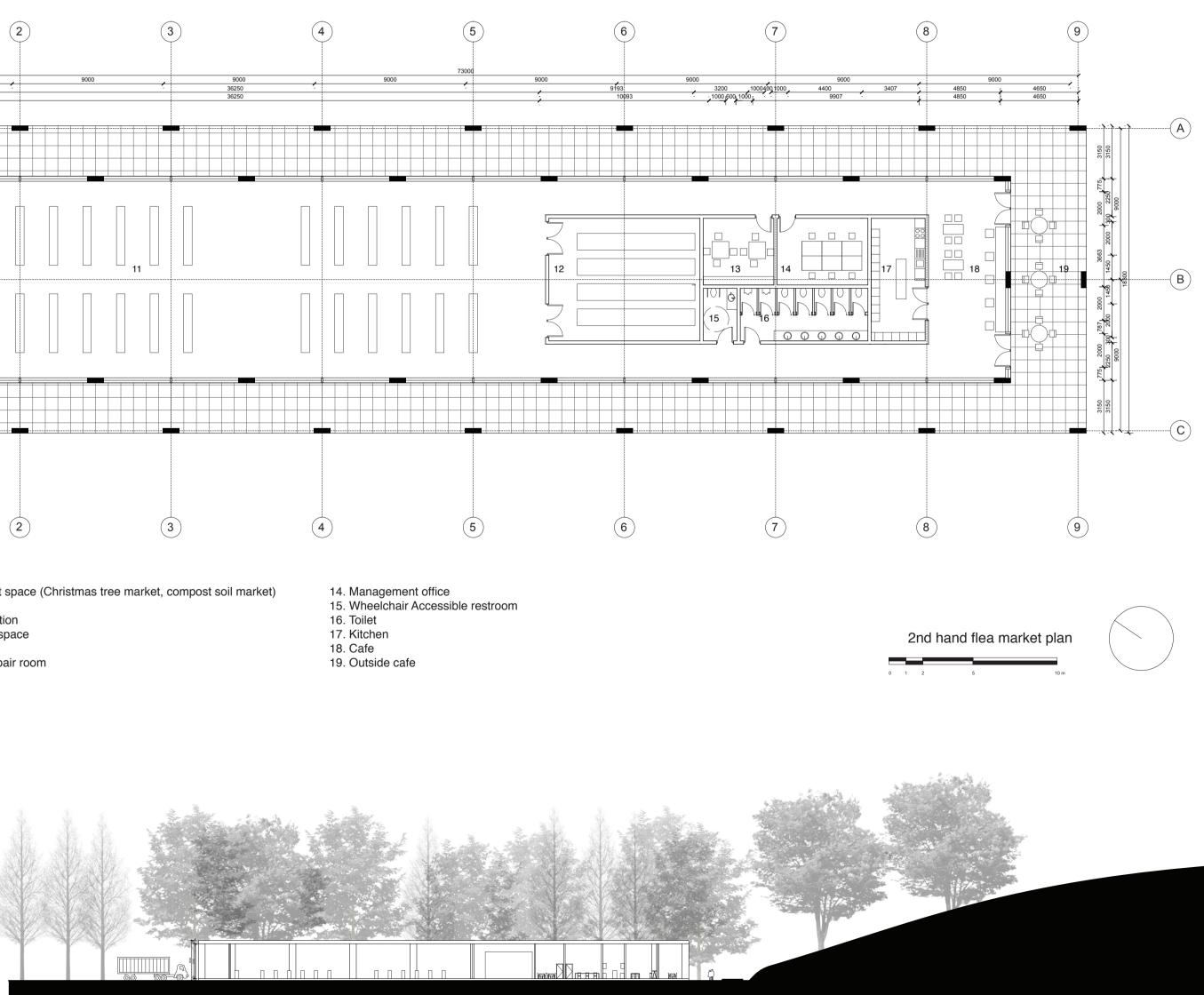




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Visitor center exterior view

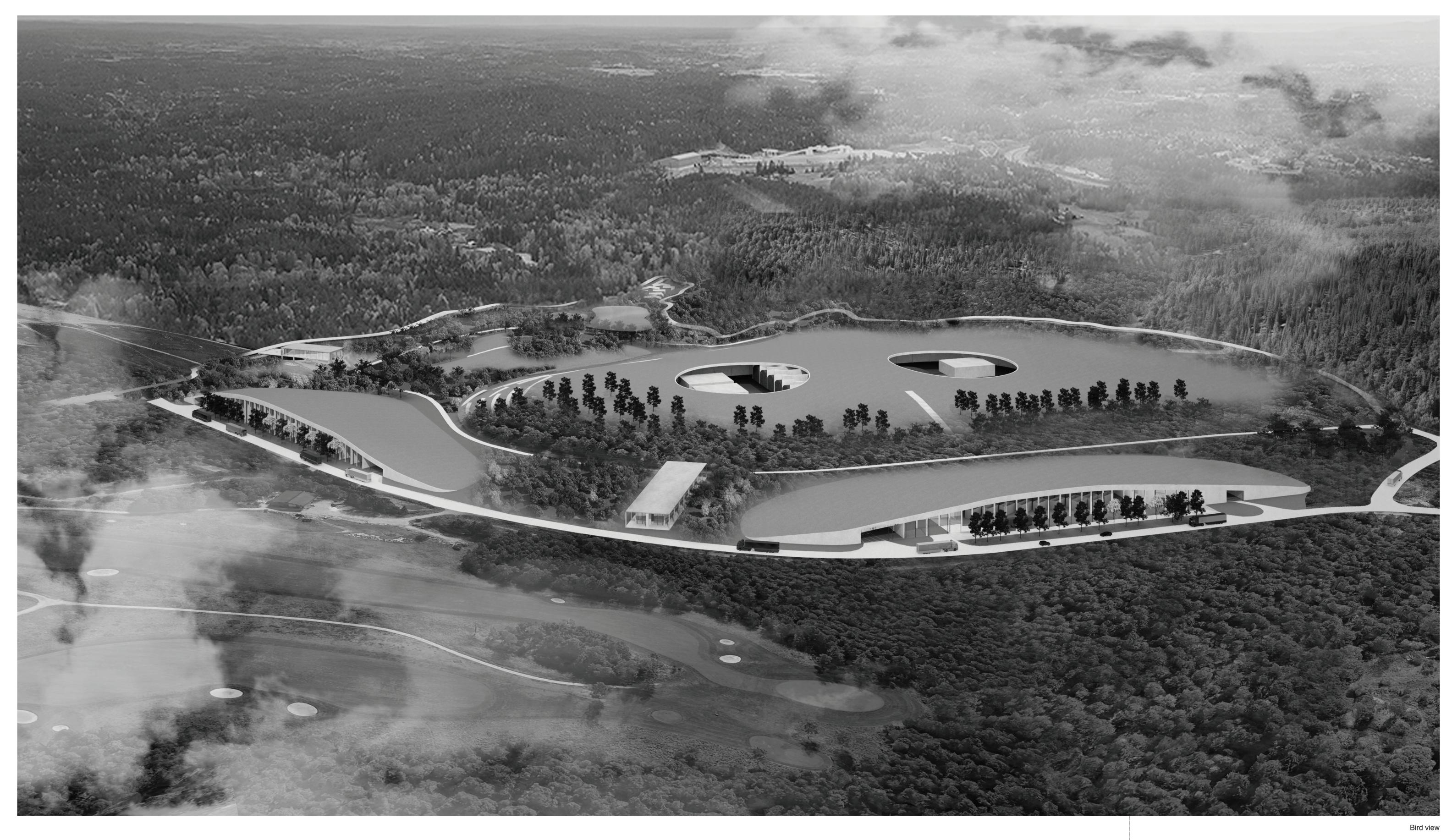




2nd hand flea market exterior view

2nd hand flea market section

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