Appendix

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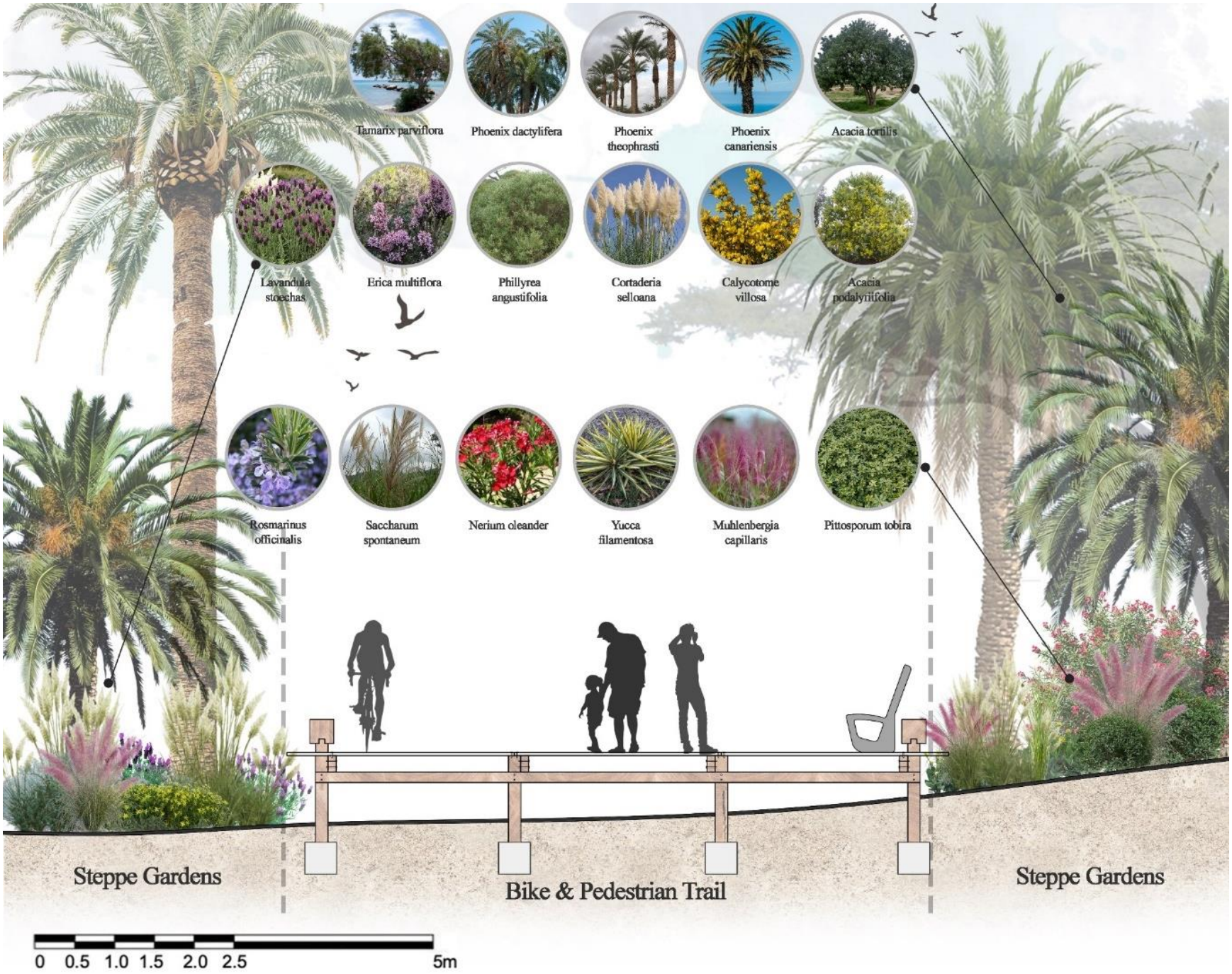
Tamarix parviflora
Phoenix dactylifera
Phoenix theophrasti
Phoenix canariensis
Acacia tortilis
Lavandula stoechas
Erica multiflora
Phillyrea angustifolia
Cortaderia selloana
Calycotome villosa
Acacia podalyriifolia
Rosmarinus officinalis
Saccharum spontaneum
Nerium oleander
Yucca filamentosa
Muhlenbergia capillaris
Pittosporum tobira
Steppe Gardens
Bike & Pedestrian Trail
Steppe Gardens
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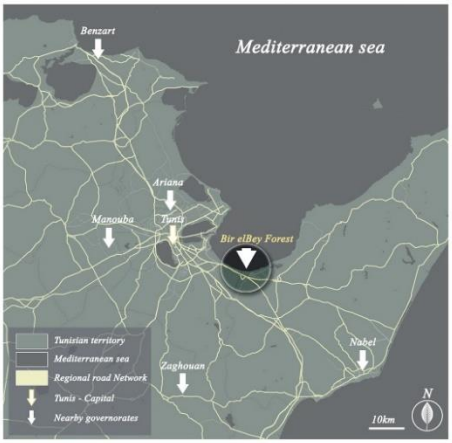
HUNGARIAN UNIVERSITY OF AGRICULTURE AND LIFE SCIENCES

BIR EL BEY FOREST - URBAN PARK DEVELOPMENT

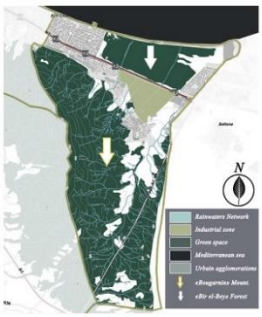
FIRAS BEN YOUSSSEF
SUPERVISOR: DR. ALMÁSI BALÁZS

Macroscale Analysis: Characteristics of the area

Location, History and Topography and water system

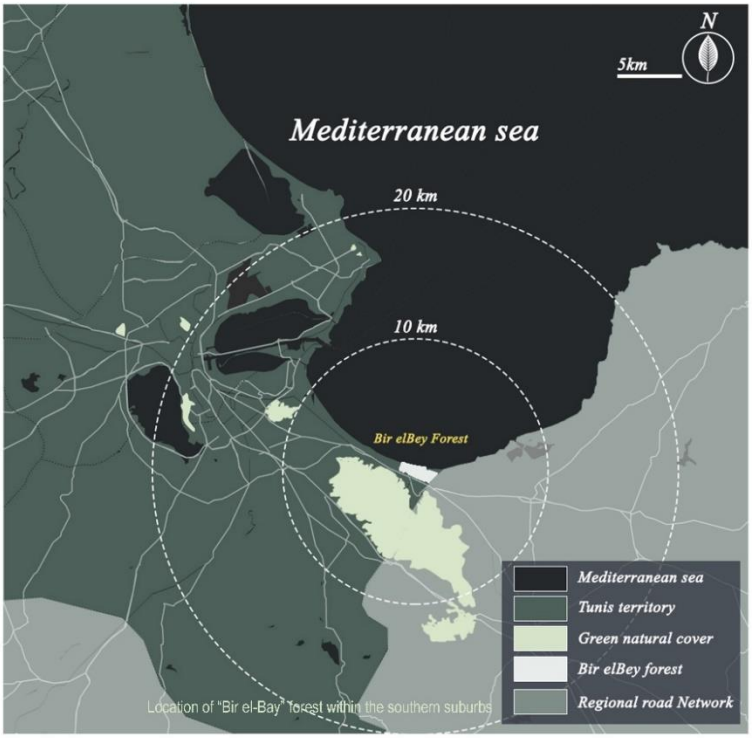


The southern suburbs of Tunis, within the governorate of Ben Arous, lie approximately 10 kilometers from the capital. Covering an area of 761 km², it is bordered by Zaghouan, Manouba, and Nabel. Urban expansion since the 20th century has transformed agricultural areas into residential and industrial zones. Ben Arous features flat terrain, with mountain ranges in the southeast, playing a role in water channeling. Bougarnaine Mountain, with heights reaching 750 meters, supplies rainwater to nearby cities. This hydrological network includes creeks flowing through the region's topography, influencing its environmental dynamics.



Natural and Urban Landscape character

Urban network connections (Governorates/Cities):



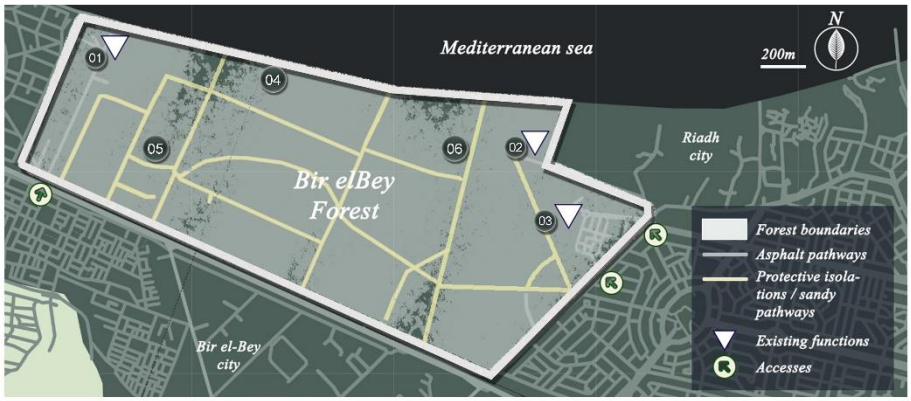
BIR EL BEY FOREST - URBAN PARK DEVELOPMENT

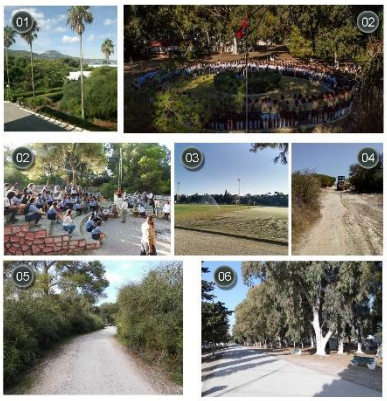
FIRAS BEN YOUSSSEF
SUPERVISOR: DR. ALMÁSI BALÁZS

MESO-SCALE: THE SELECTED SITE

Size, Accessibility & Direct Context

Structure of the site and existing functions





Green Cover Analysis

Synthesis

Challenges

Limited public access: Besides the existing functions dedicated to limited users, the forest doesn't contain any appealing set of functions for public use.

Urban obstacle: The forest is presenting, in most parts, an urban obstacle for the surrounding cities due to inadequate connectivity to its instant context.

Green space degradation: The green open space shows increasing degradation rates due to abundance, lack of maintenance, and inappropriate use.

Disconnected green network: The forest is no longer connected to the green network.

Potentials

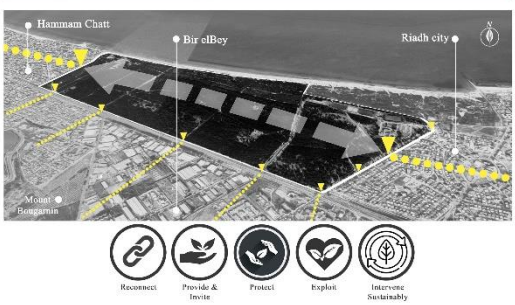
Ease of access: The location of the forest regarding the urban fabric is a very important factor in the success of the future project.

Varied landscapes: The different landscape characters within the forest can be promising for various ambiances and atmospheres.

Transport access: The forest is already connected to the transportation network.

Diverse user types: The functions surrounding the forest regroup numerous categories: hotels, industrial areas, universities, schools, and residences, therefore, a variety of targeted users can be expected.

Strategy & intervention goals



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BIR EL BEY FOREST - URBAN PARK DEVELOPMENT

FIRAS BEN YOUSSSEF
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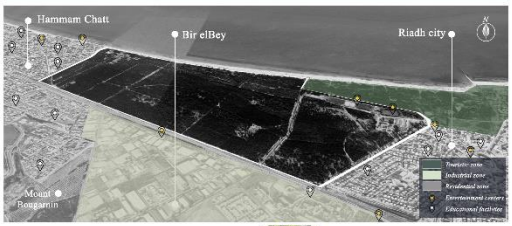
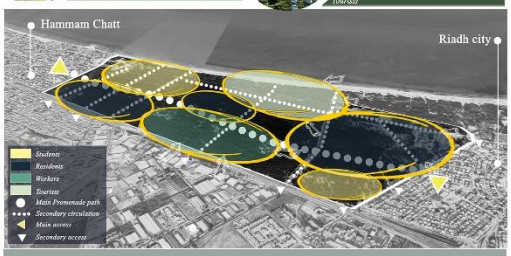
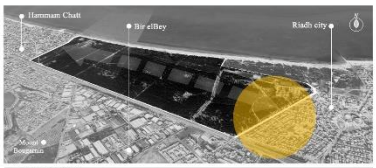
DESIGN STRATETGIES

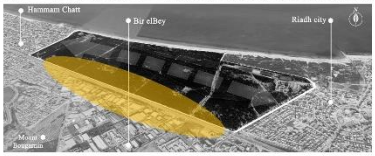
1-Provide, Invite, & Protect

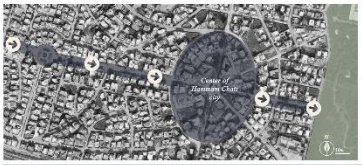




2-Reconnect

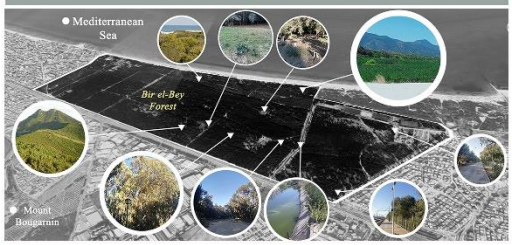






Size, Accessibility & Direct Context

3- Exploit

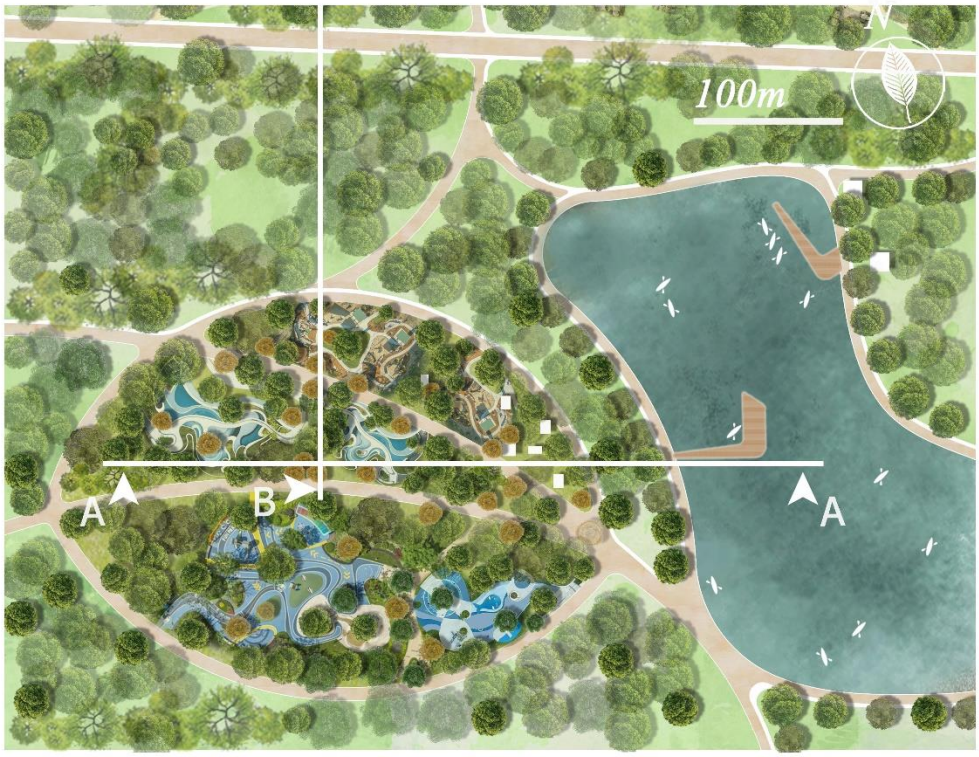


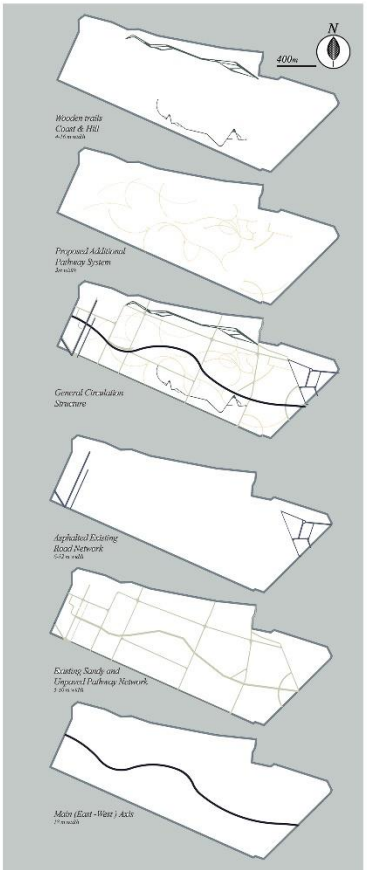
MASTER PLAN

BIR EL BEY FOREST - URBAN PARK DEVELOPMENT

FIRAS BEN YOUSSSEF
SUPERVISOR: DR. ALMÁSI BALÁZS

2D LAYOUT , SECTIONS & PATHWAYS TYPOLOGIES





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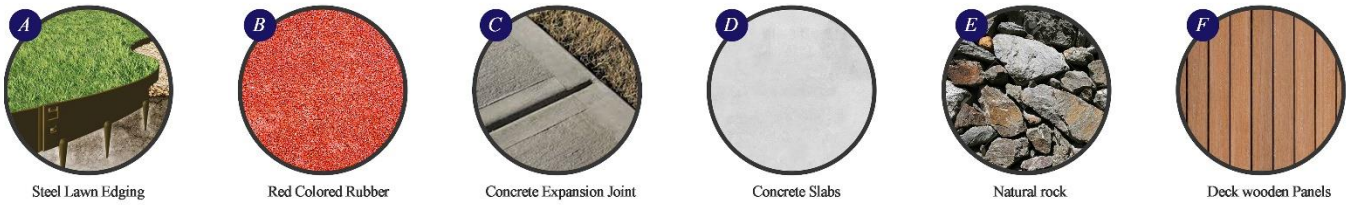
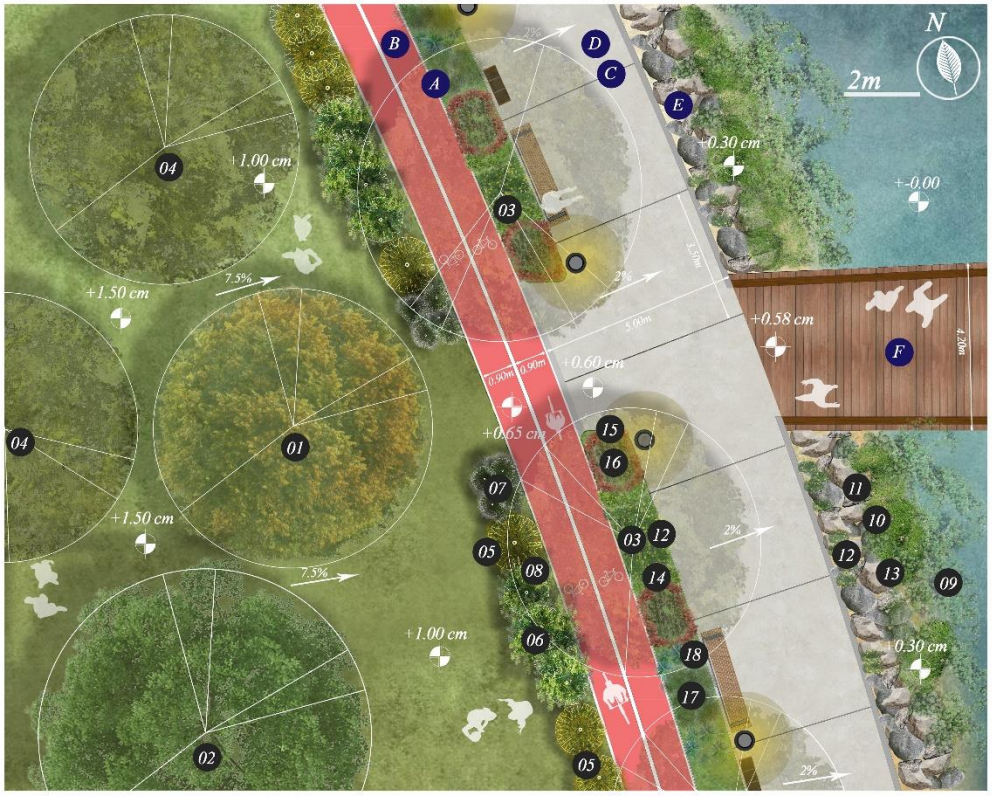
2D PLAN LAYOUT & DETAILS





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SUPERVISOR: DR. ALMÁSI BALÁZS

SECTION & VISUALIZATIONS

DECLARATION

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As a supervisor of *Firas Ben Youssef* (Student's name) *N5HREH* (Student's NEPTUN ID), I here declare that the final ~~essay/thesis~~/master's thesis~~/portfolio~~[1] has been reviewed by me, the student was informed about the requirements of literary sources management and its legal and ethical rules.

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