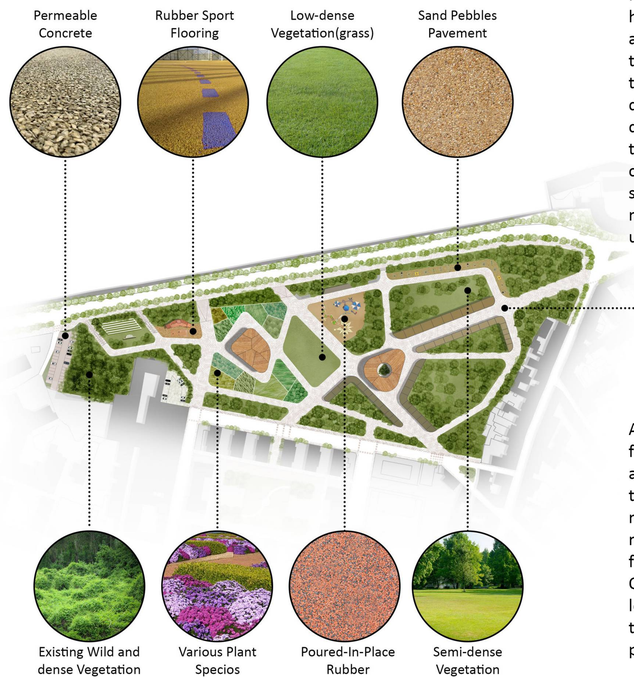
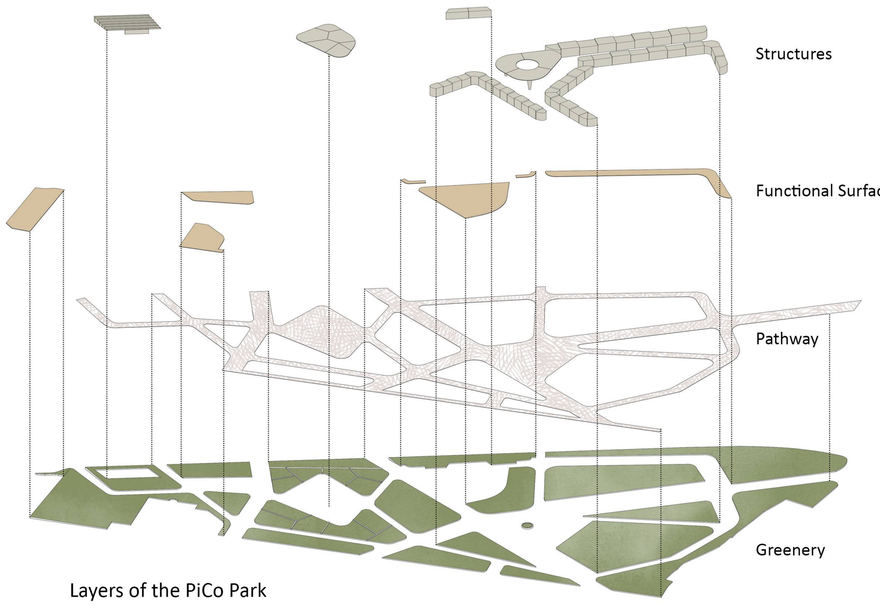


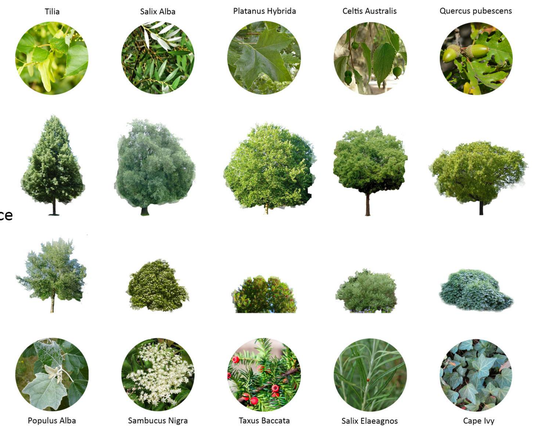
Porous pavement is a paved surface with a higher than normal percentage of air voids to allow water to pass through it and infiltrate into the subsoil. This porous surface replaces traditional pavement, allowing parking lot, driveway, and roadway runoff to infiltrate directly into the soil and receive water quality treatment. All permeable paving systems consist of a durable, load-bearing, pervious surface overlying a stone bed that stores rainwater before it infiltrates into the underlying soil.

Sustainable Porous Pavement

A major advantage is that the systems can function without compromising the amenity of above-lying floor area, with products available to suit everything from lightweight requirements for covering areas around tree roots and roof gardens to heavy duty durability for car parks and driveways.
Other benefits include erosion control, creating low-maintenance floor areas and eliminating tree roots from lifting and cracking concrete pathways.



Layers of the PiCo Park



In the most urban and peri-urban area there are several types of plants species which have been growed organically or artificial, Italy as a rich country in terms of vegetation, due to its specific climate, included various plants organically. Hence, Piacenza and specially the area around ACNA is rich of vegetation thanks to be close to river. Here, we have recognized most popular plant species in the vicinity of the site to not only being familiar but also use them in our design and specially apply for botanical garden.

Social Interaction and Relaxation Plaza

Neighborhood Plaza

Cultural Plaza

POLITECNICO MILANO 1863

Politecnico Di Milano

School of Architecture, Urban Design and Construction Engineering
Msc. Sutainable Architecture and Landscape Design

PiCo Park Community

A SYSTEMATIC DESIGN APPROACH TOWARDS REGENERATION AND ACTIVATION OF ACNA AREA, an unused historic urban land

Author: SORAN HANAV
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04 MASTERPLAN DETAILS