

Image: 01_Lianjiang Park

Located between mountain and river in a rapidly growing area of Changsha, the 20 hectare Lianjiang Park is a node between urbanity and nature. The site's close relationship with the water, forest and village are key factors informing the design approach.



Image: 02_Park Plan

In response to a government-proposed 3-square kilometer new development zone, which includes a 12-hectare reservoir for urban flood control, the design team envisioned a comprehensive water system as the armature of the development that would further serve as a multi-functional open space in the city.



Image: 03_Aerial Perspective

Through the synthesis of topography, hydrology and vegetation, the Lianjiang Park becomes a 20-hectare living green machine that along with integrated human activities serves as valuable model for sustainable urban expansion.

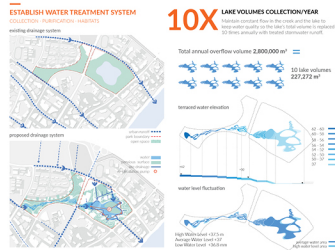


Image: 04_Water Treatment System

An extensive drainage system will lead treated storm water runoff to the central lake. The design allows the lake water to be replaced ten times annually to maintain proper water quality, and for drainage from surrounding urban areas to be stored and filtered before it flows into the river.



Image: 05_Maximize Water Edge_Ecological Opportunity

The design expands the shoreline to six times its current circumference. It is a key design move inspired by ecological principles that seek to maximize edge conditions and thereby the environmental exchange capacity.

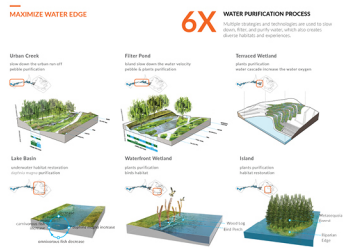


Image: 06_Maximize Water Edge_Water Purification Process

Along the lengthened shoreline, a wide variety of sites that focus on water purification are proposed with additional recreational functions including a creek, pond, terraced wetland, planted lake basin, waterfront wetland and islands.



Image: 07_Undulating Landform

By expanding the perimeter of the water body through an undulating shoreline with a series of bays and inlets, both the ecological functions and experiential features of the reservoir are maximized along the edge.



Image: 08_3xWalks_City Walk

City walks further connect the city to the park and lead users through a series of plazas and gardens, which offer an impressive array of programs including playgrounds, cafes, sports field, and an overlook point.



Image: 09_3xWalks_Forest Walk

The design derives from the sinuous landscapes of rice paddy and tea plantations that are common amongst the local traditional agriculture. Forest Walks meander through the upland and low land forests and link the tea terraces, bamboo forest, and sports field together.

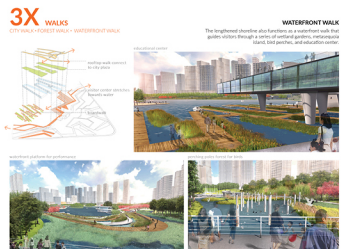


Image: 10_3xWalks_Waterfront Walk

The lengthened shoreline also functions as a waterfront walk that guides visitors through a series of wetland gardens, metasequoia island, bird perches, and education center.