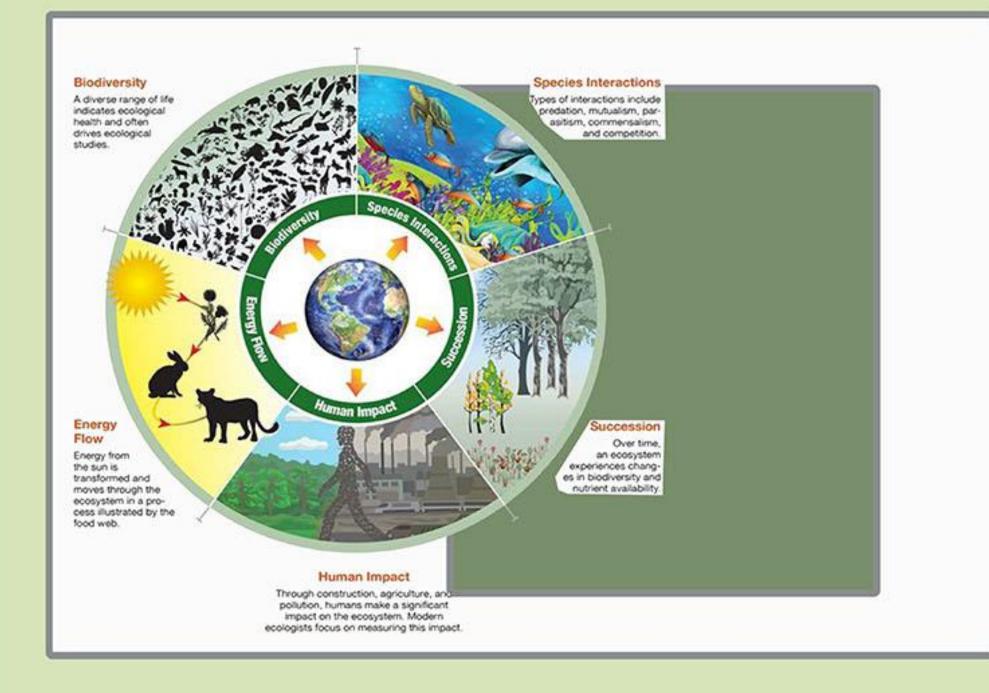




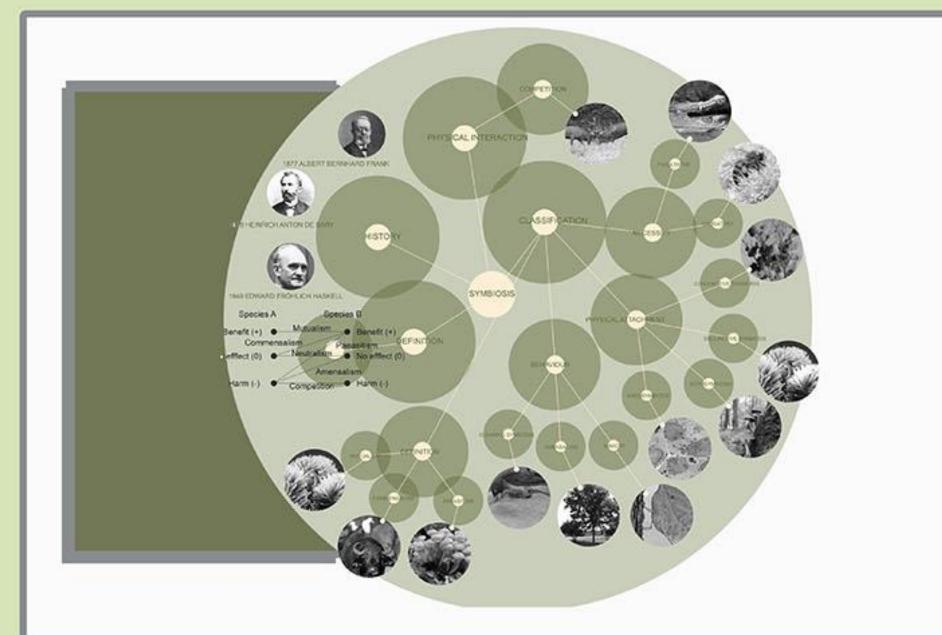
Ecological architecture is about preserving and complementing the natural elements within in urban setting whether that's a green wall on a single building or integrating green s paces as a city is planned

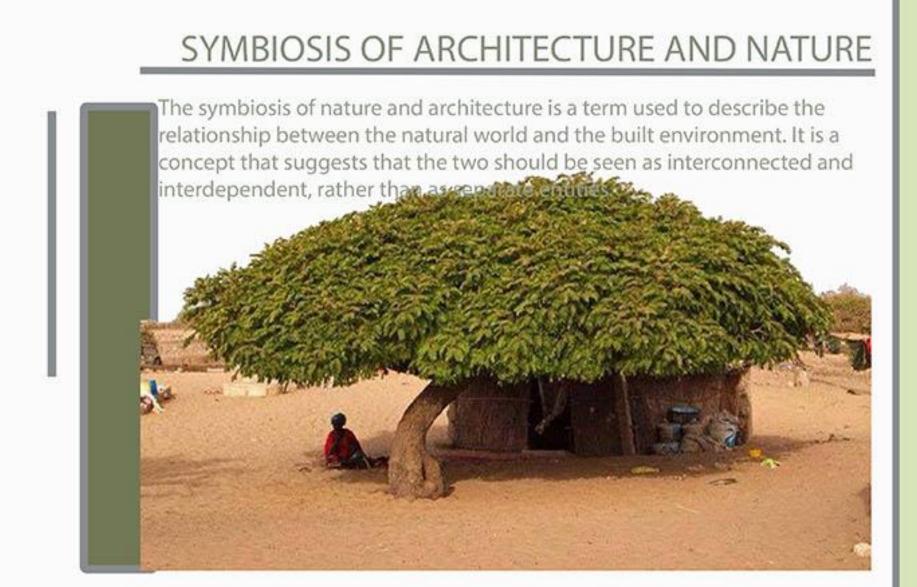


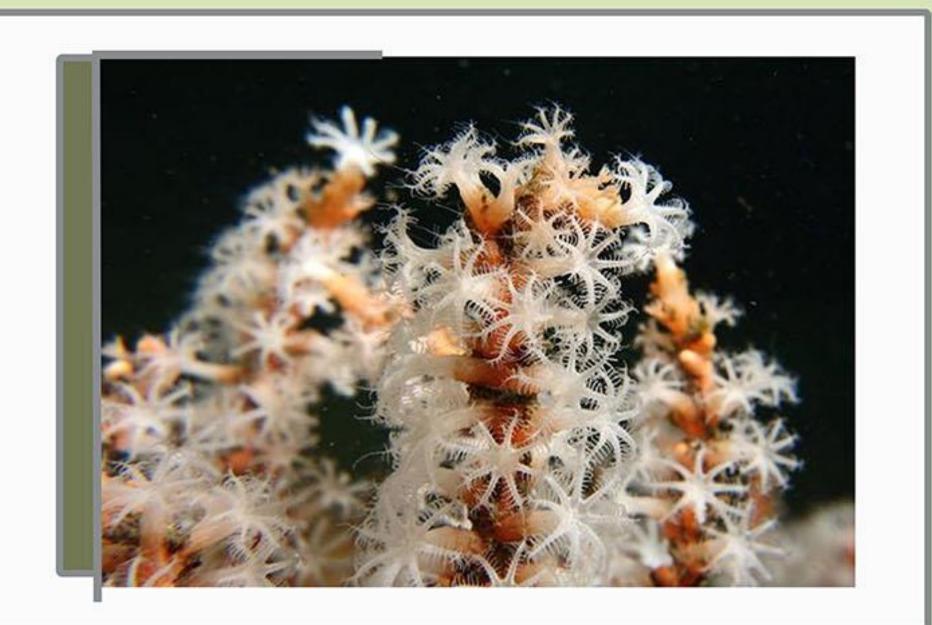




Livable communities Energy efficiency Indoor air quality









The symbiotic relationship between nature and architecture is based on the notion that the natural world may inspire, supply resources for, and serve as a basis for, the built environment, and vice versa. The coexistence of nature and architecture highlights ow vital it is to maintain a connection to the natural world. Better connection is provided ough experience.

SITE ANALYSIS



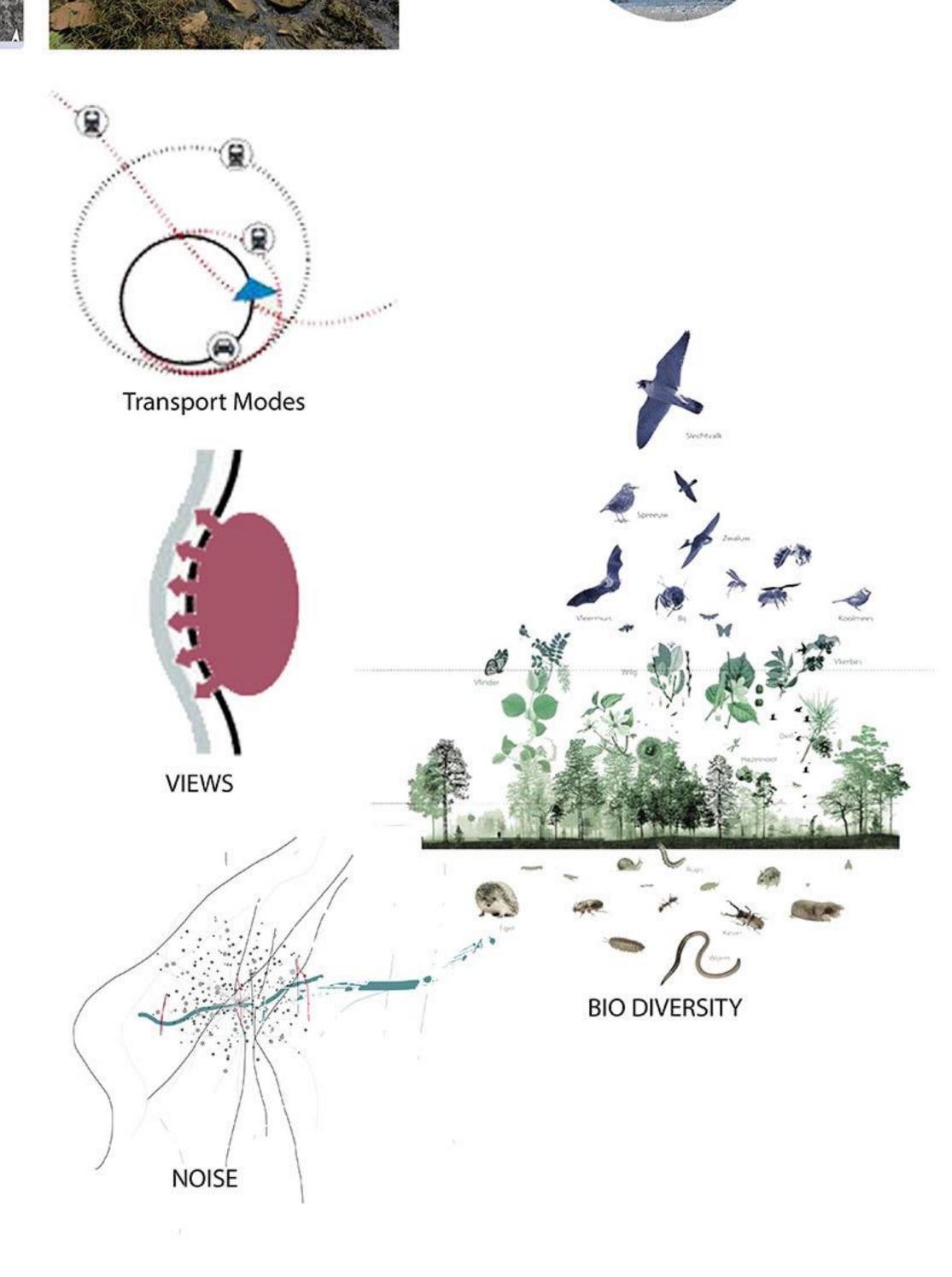
SEGODITSHANE RIVER

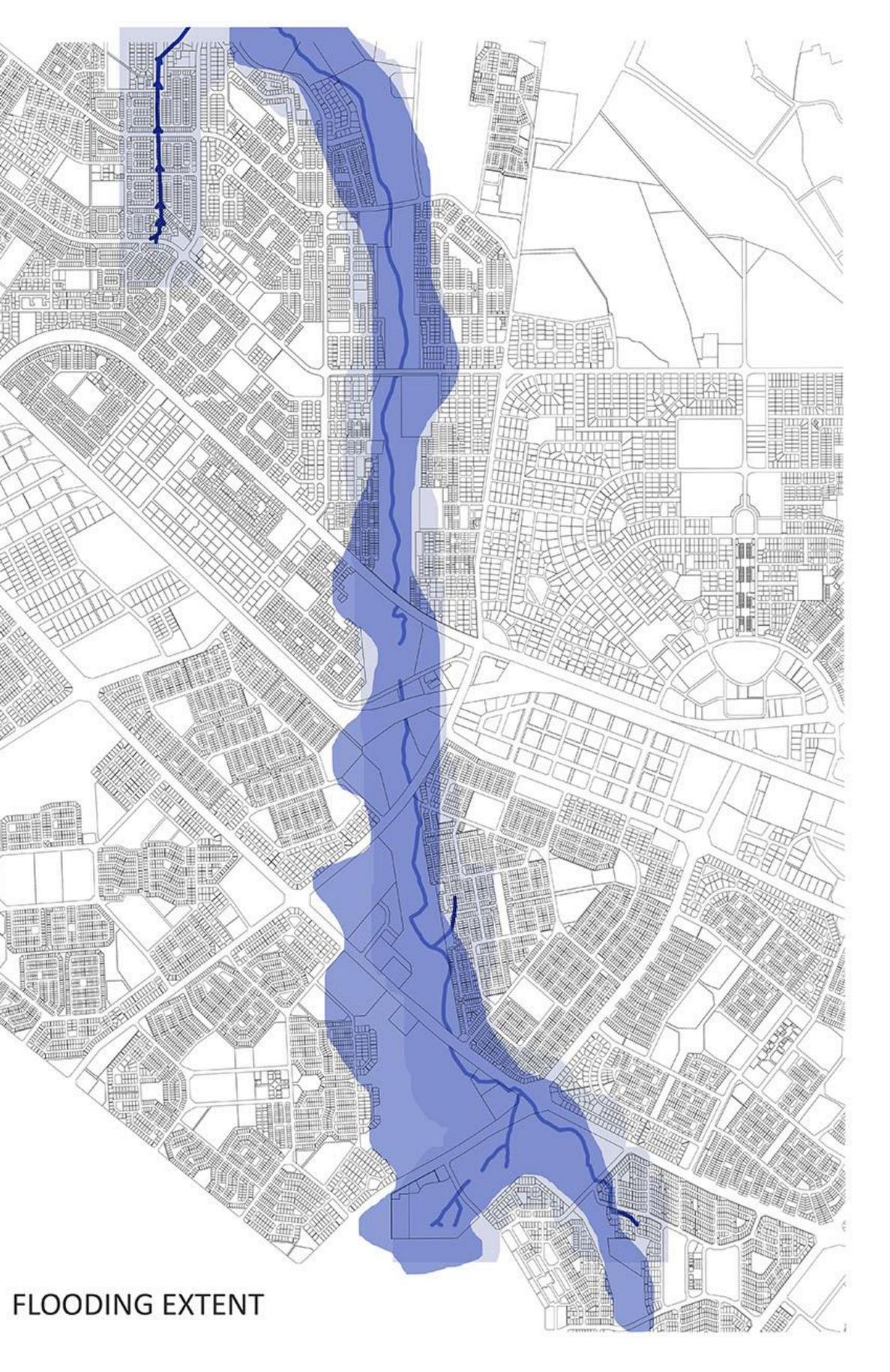
The river is prone to regularly being flooded, which often results in the floods which led to the temporary closure of Segoditshane Wellie Seboni and Nelson Mandela roads which disrupts transporting roots through segoditshane river identified low lying bridges/culverts and storm water drainage channels that failed to deposit runoff into the river channel as some of the contributory factors to flooding. A comprehensive and long lasting solution was being worked on which included having water retention ponds along the river as additional storage capacity during heavy rains.

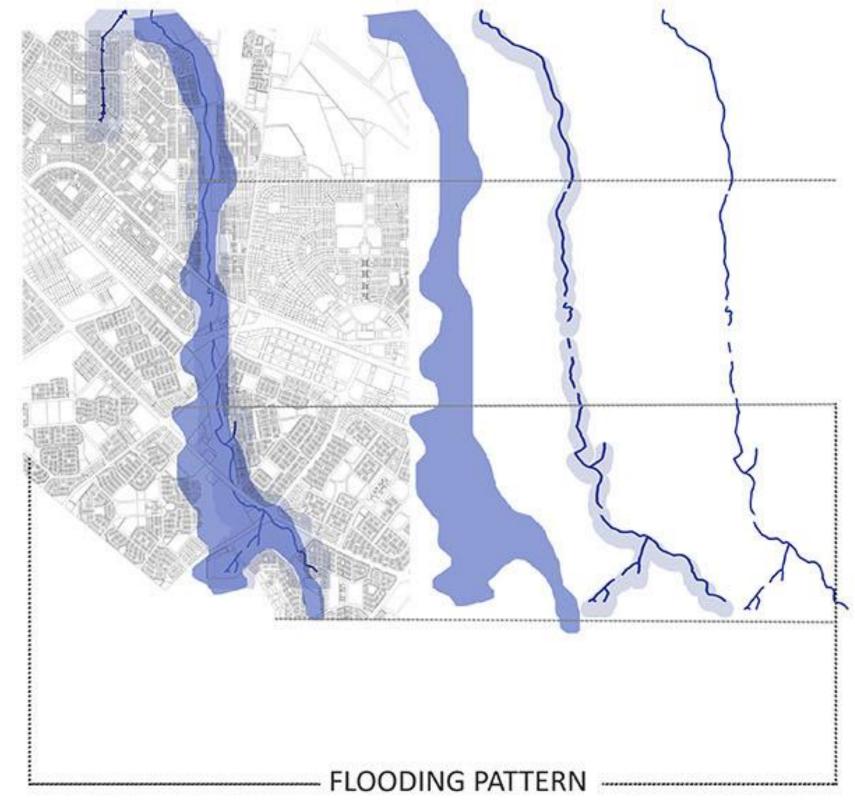
A comprehensive network to ensure that the existing storm water drainage outlets ultimately deposited water into the dredged river channel would also be developed.

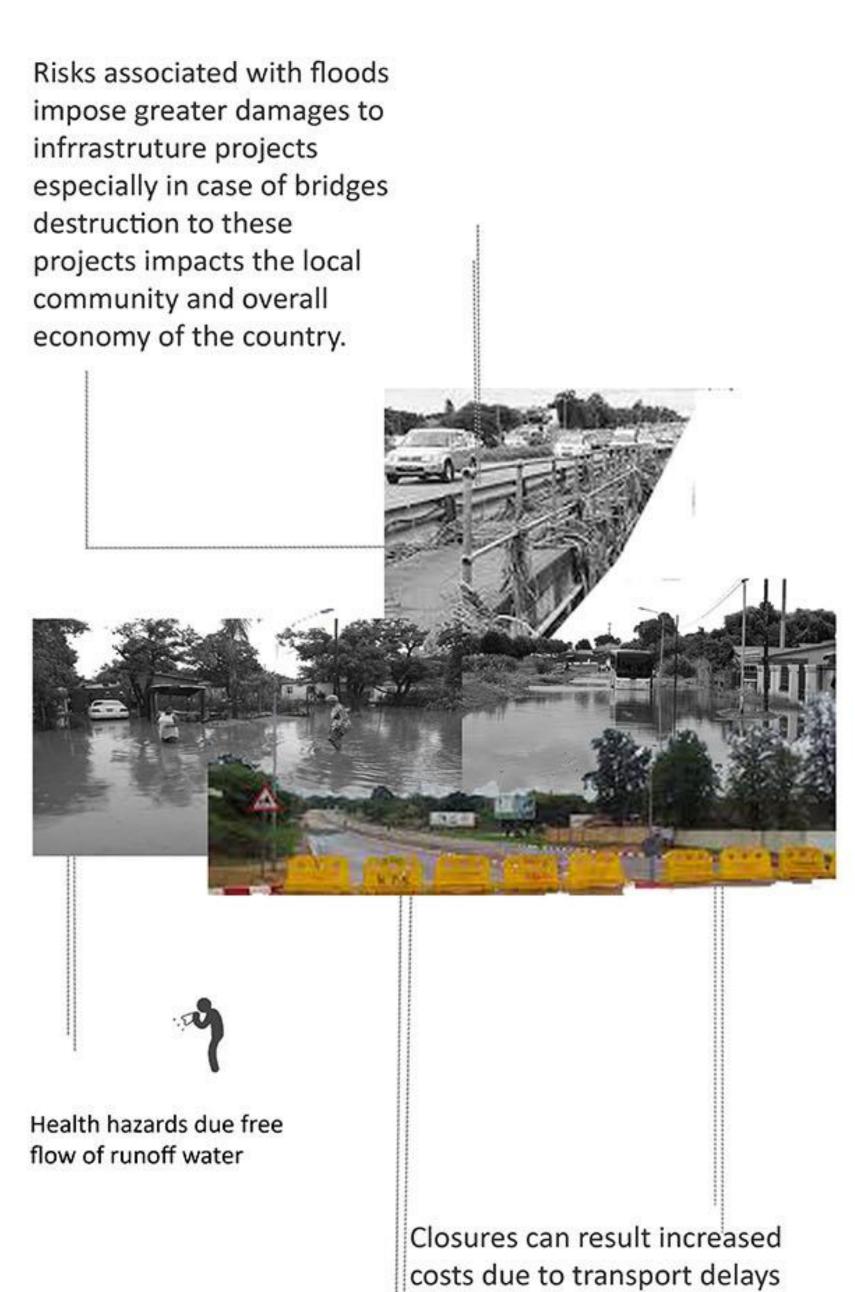
That involved continuous maintenance of the drainage system and adjusting its carrying capacity to meet demand during heavy rains mechanisms must also be put in place to control water movement in and out of the retention ponds in response to heavy rains and reducing surface runoff velocity.

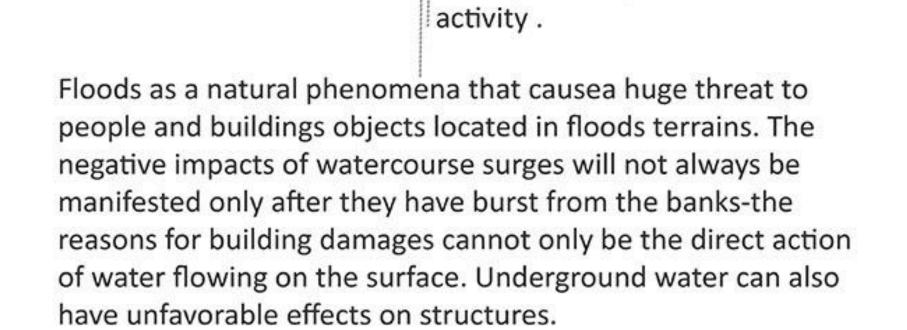
Storm water treatment can be importance of treating storm water before reaching the river channel. The removal of fine sand and other materials carried by running water and deposited in the river thus hindering free movement of rainwater.







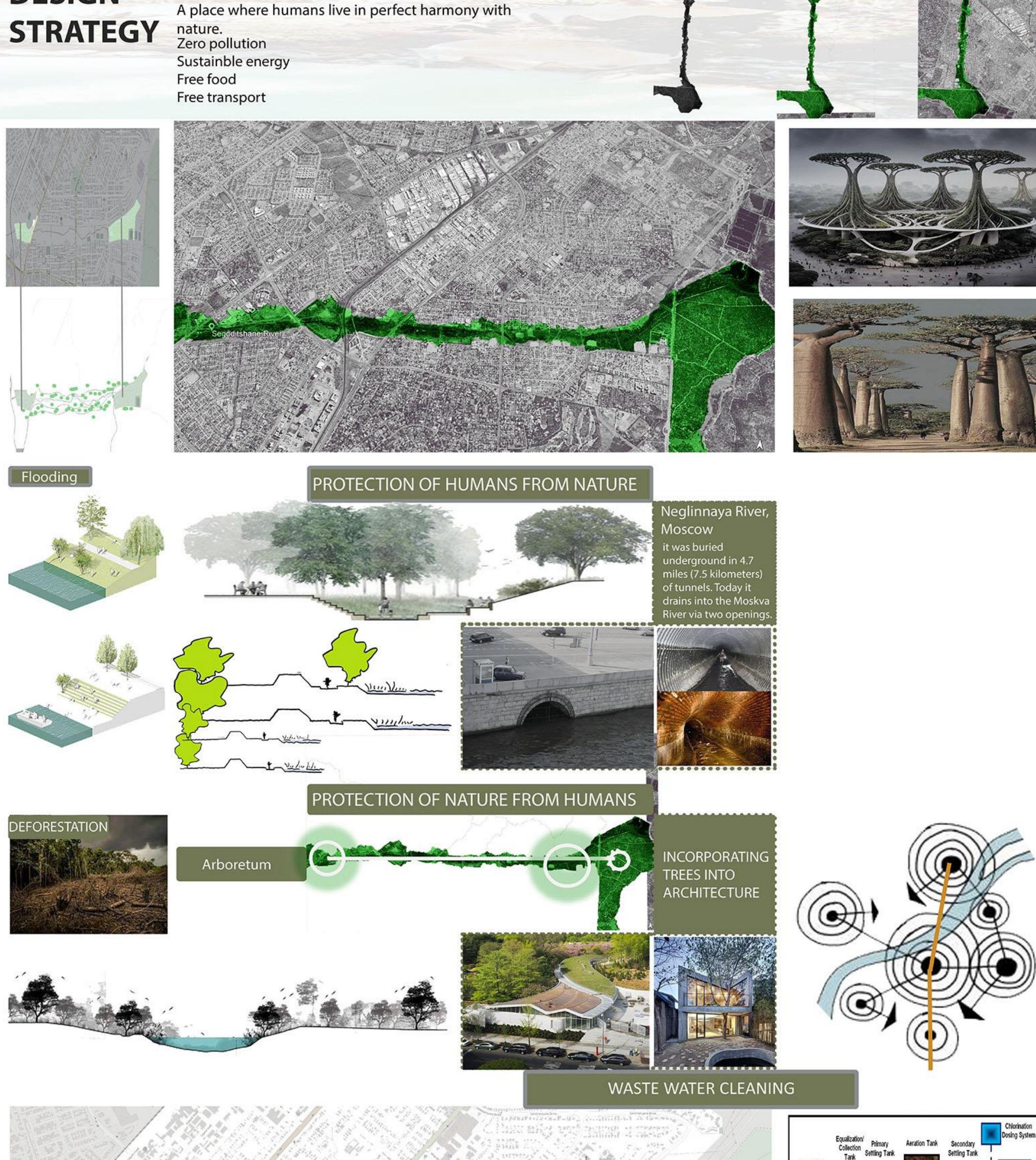




and greater travel distances. in

extreme cases, bridges closures

can significantly reduce economic



ECOLOGICAL UTOPIA

DESIGN

