

WATER BALANCE PILOT



BEFORE



AFTER

The Little Flower Convent School for the Blind and Deaf, a 90 year-old institution, generates about **27,000 L of wastewater that is treated daily using NbS systems** and safely infiltrated through an underground pipe network, while **irrigating 3000 plants**. Five dual-aquifer recharge wells benefit both the school and the entire vicinity, and **reduce the impact of floods**.

1 | UNDERSTANDING THE PROBLEM



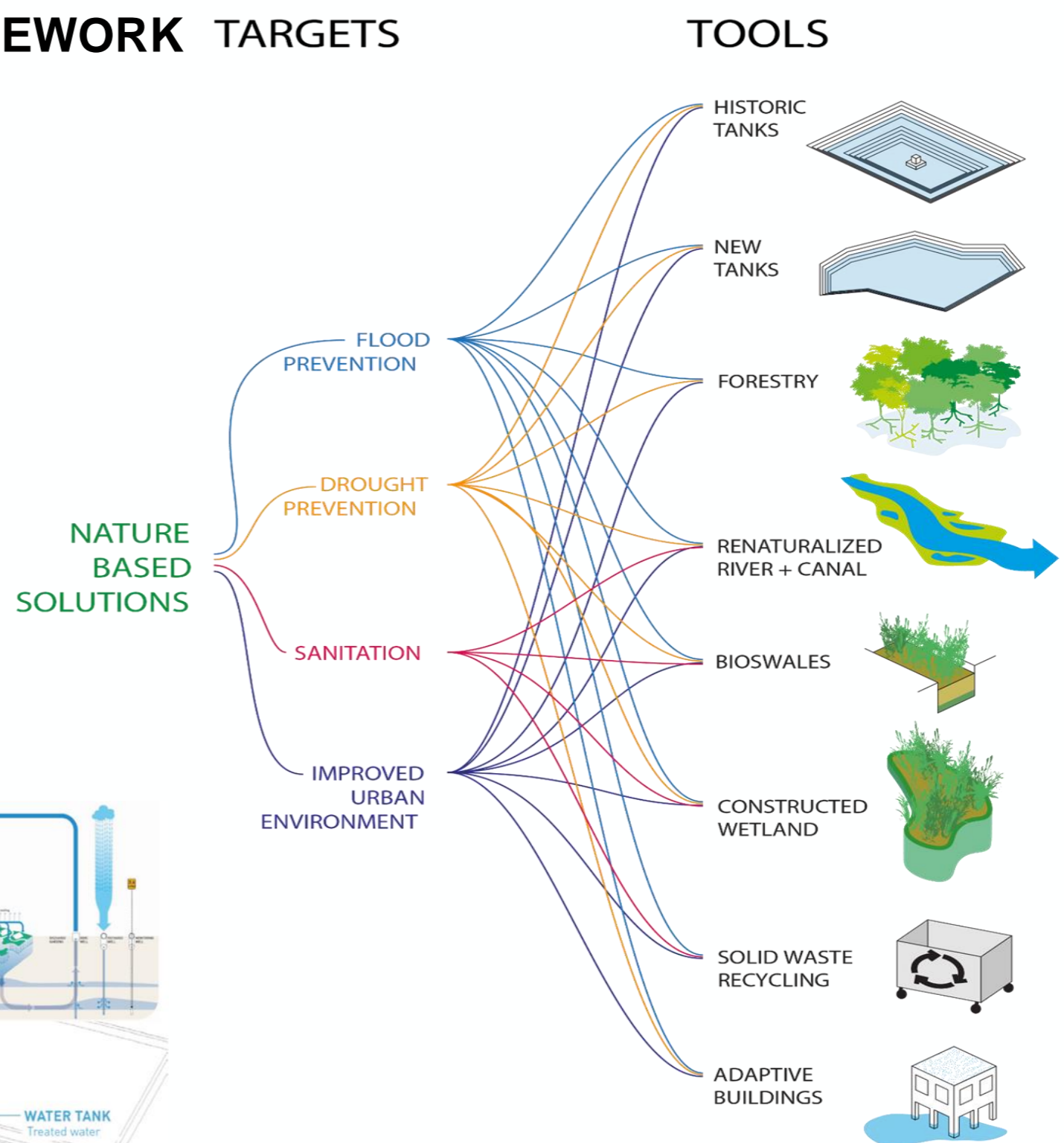
Flooding at LFC
07 Nov 2021



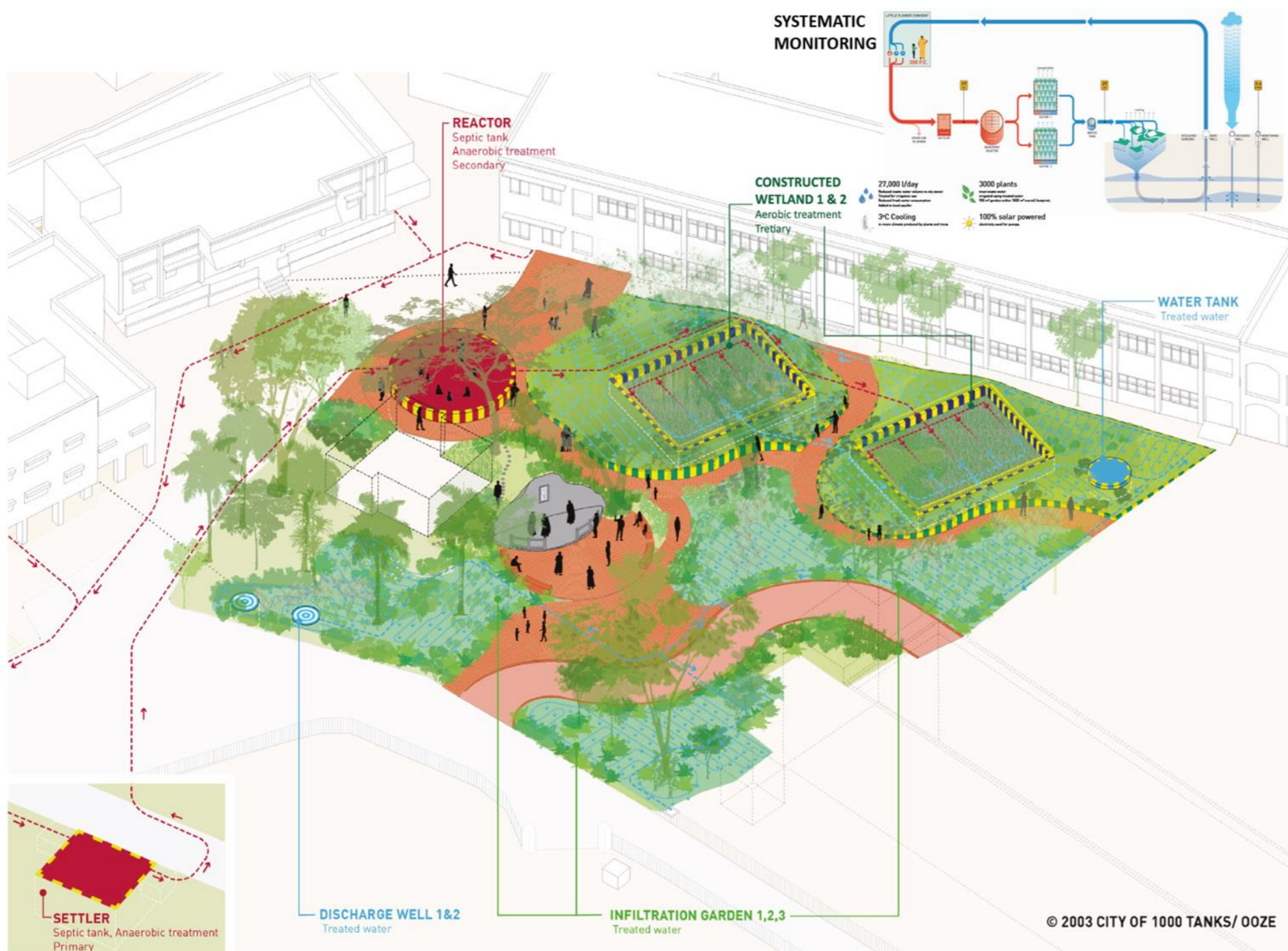
Backflow of
Sewage

The **1,000 tanks approach** to achieve a water abundant Chennai, seeks to help the city cope with floods & drought, and improve sanitation & urban environments using the identified tools.

2 | FRAMEWORK TARGETS



3 | SOLUTION



THE MYLAPORE FLAGSHIP PROJECT

This Pilot at LFC is in the process of being upscaled to the Mylapore Flagship project at the request of **The Green Climate Fund (GCF)**, with the approval of the Govt. of Tamil Nadu.

Monitoring Phase

mg/l	Standard*	Oct/22
pH	7	7,8
BOD	30	5
COD	250	32
TSS	100	12
TN	100	24
NH3	50	17
NO3	10	BDL(DL 1.0)
TKN	50	21
TP	5	5,4
TDS		730



A Consortium of Indo-Dutch experts



Website



Monitoring (Live)

4 | KEY BENEFITS

- Enhanced urban biodiversity
- 5 °C cooler campus
- Rs. 7.5 lakhs saved yearly
- Water security ensured
- Building awareness for the next generation

Quality of water at every stage of the treatment Process.

