

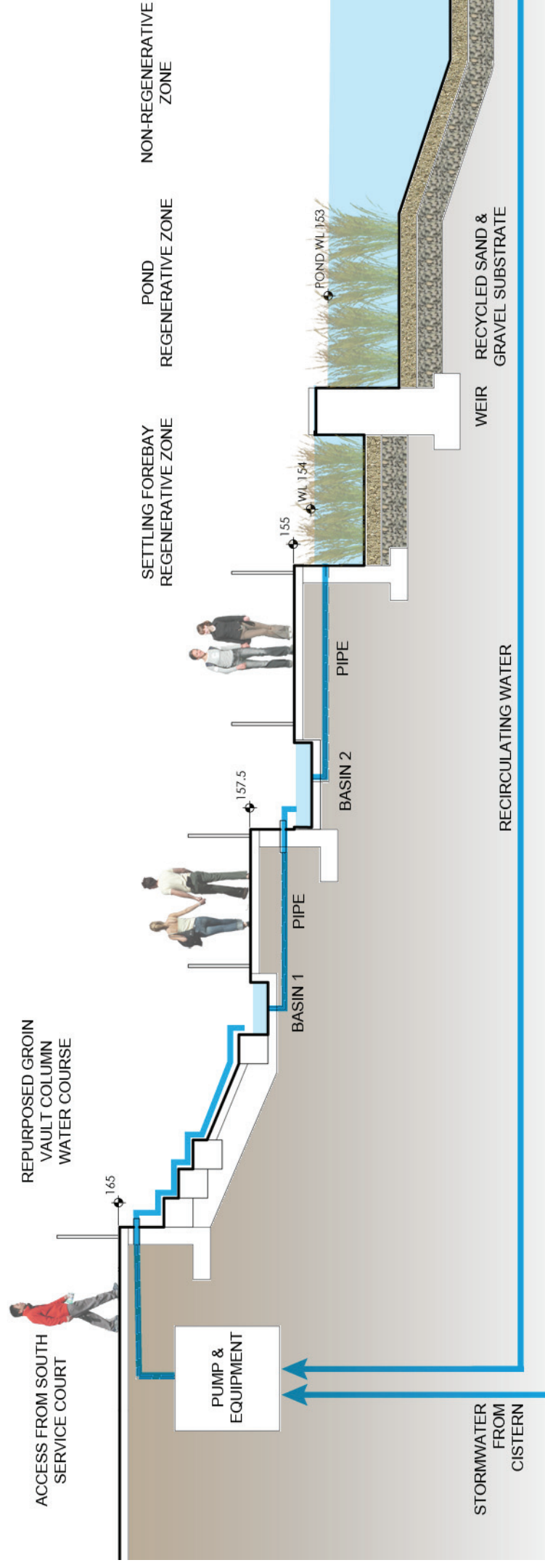
POND & WATERCOURSE - NATURAL BIOLOGIC WATER SYSTEM



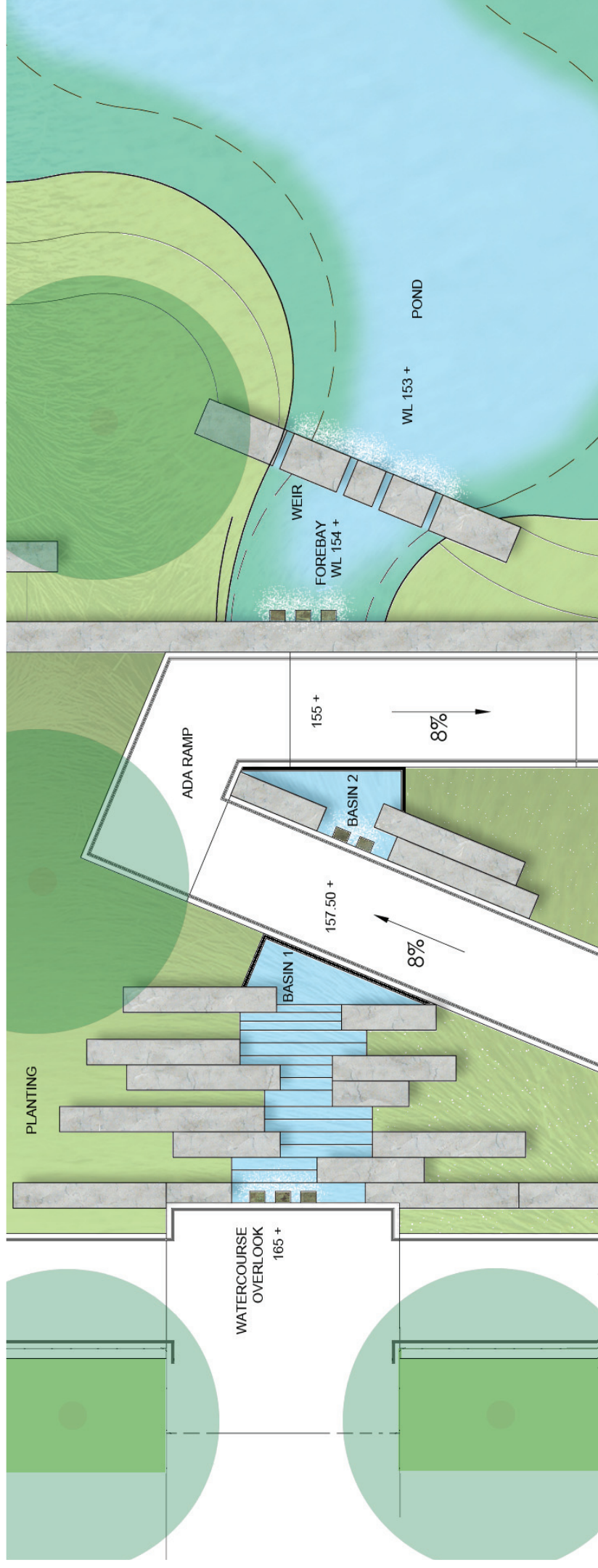
The pond and the fountain in the South Service Court are envisioned to be designed as a natural biologic water system. It relies on a living ecosystem instead of added chemicals to create a balanced living environment with clear water.

Some key components of this system are:

- minimal use of mechanical systems which use less energy and take up less space
- use of recycled or harvested water
- selected plants will outcompete algae and promote a healthy ecosystem that is composed of producers, consumers and decomposers.
- the system supports aquatic plants, zooplankton, and beneficial bacteria.
- sand and gravel subbase to support beneficial bacteria habitat. Sand can be recycled from the site.
- optional UV filter can be installed where there will be direct interaction with water



Natural System Watercourse Diagram - Section



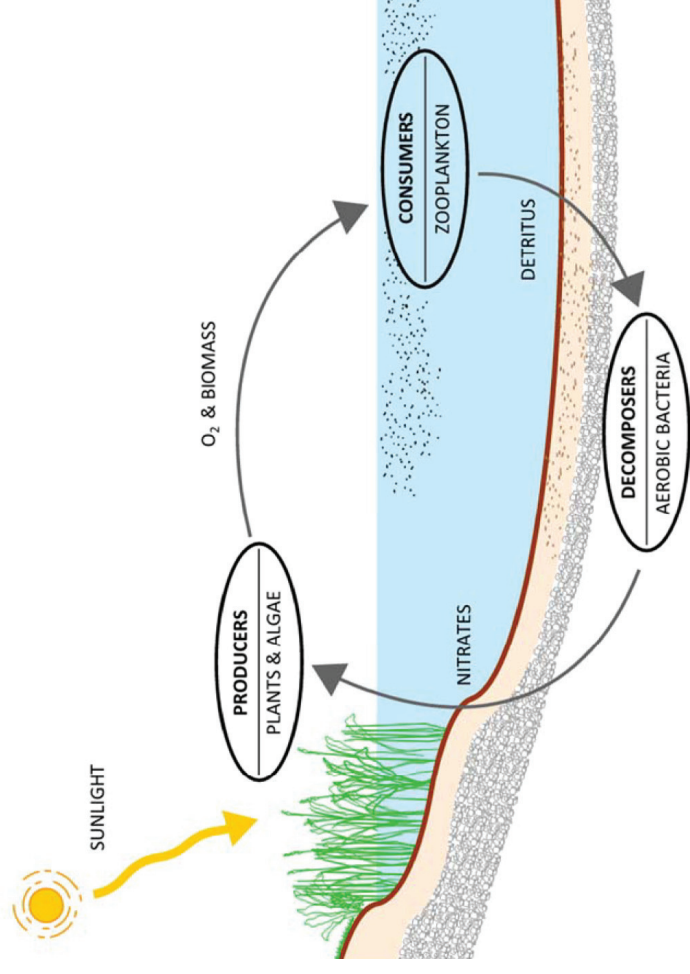
Pond Watercourse Diagram - Plan



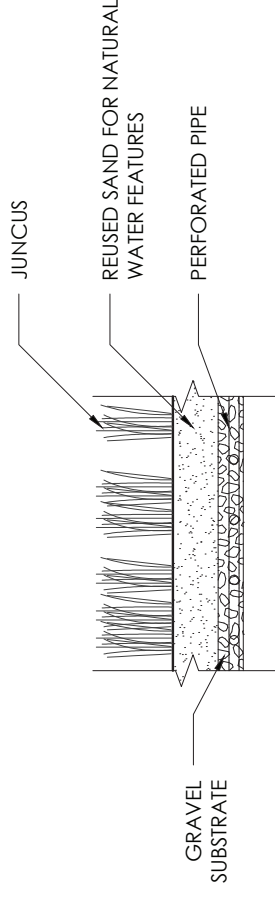
Tanner Springs Fountain



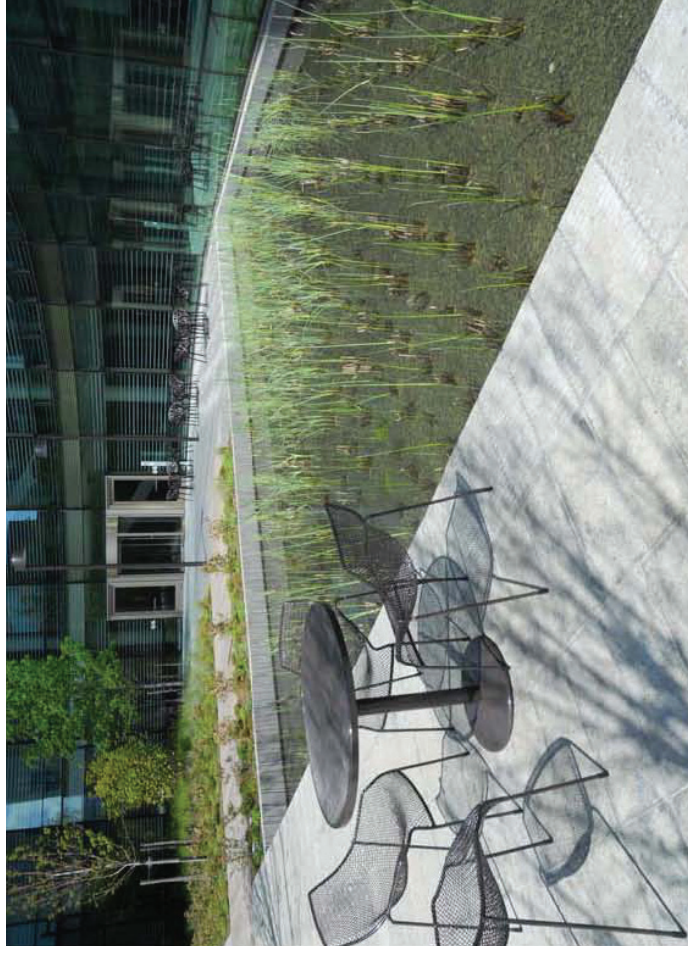
Uptown Normal's Traffic Circle



Living ecosystem diagram



Pond substrate layers (NITS)



Gates Foundation Iris Campus



New York Botanical Garden