



# THE ORGANICA WASTEWATER TREATMENT SYSTEM

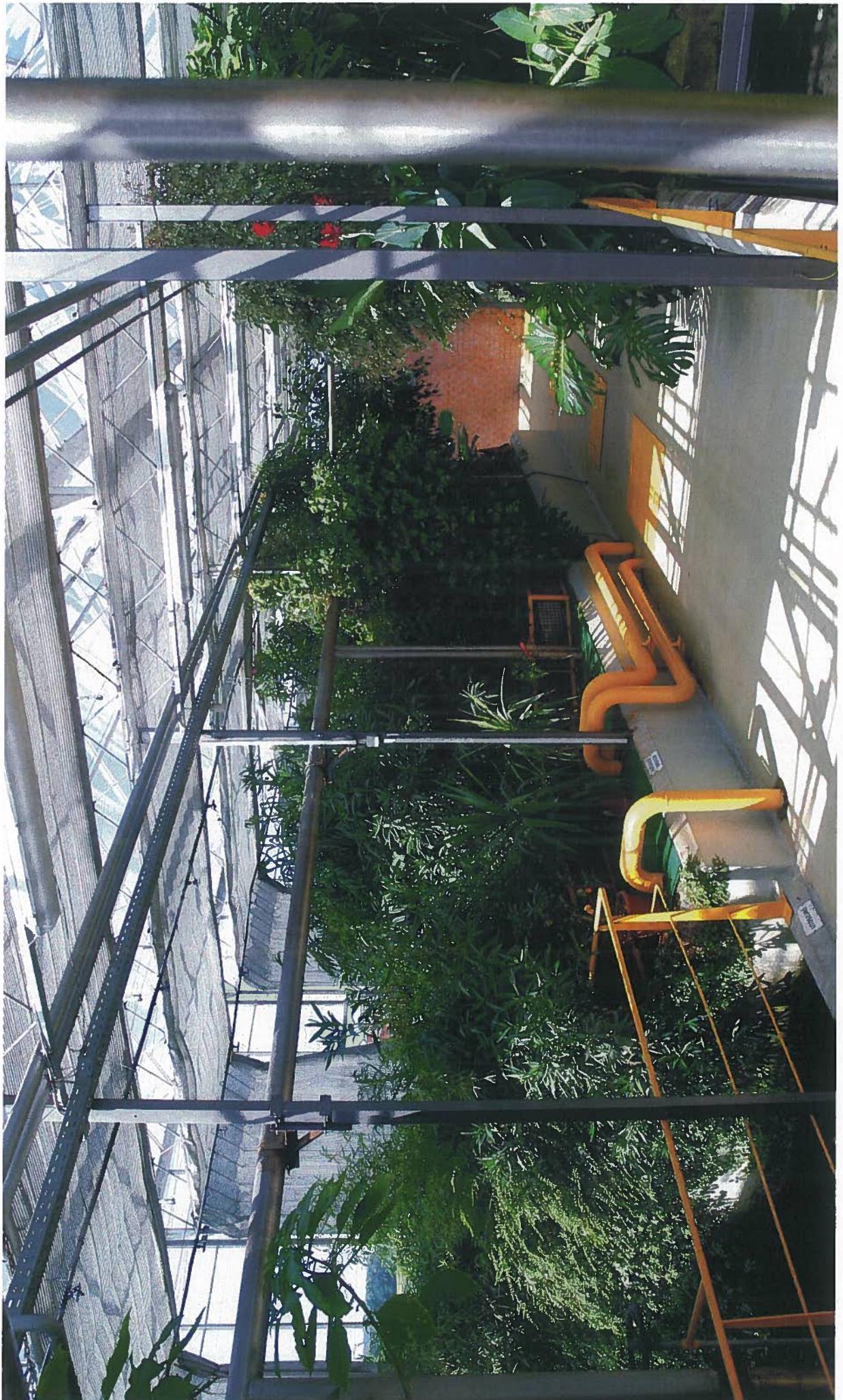
EXHIBIT "30"

*Traditional Activated Sludge:  
Large Geographic and “Psychological” Footprint*

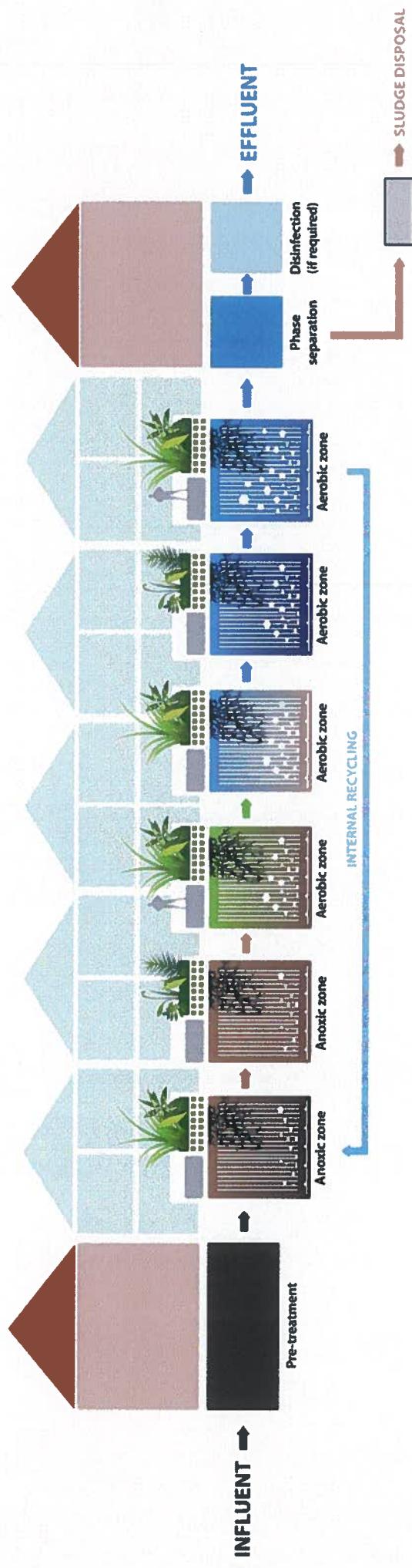


## The Alternative:

### The Organica Wastewater Treatment System



# Series Of Food Chain Reactor Zones



- The biological process takes place in a series of cascade reactors, with standard pretreatment at the beginning, and phase separation (via Organica Disc Filters or Secondary Clarifiers) and final polishing at the end.
- As water flows through from one reactor zone to the next, different ecologies will grow and adapt to the conditions in each stage. This configuration allows the “food chain effect” to develop, as higher level organisms become predators for the simpler organisms.
- The result is enhanced removal efficiency and resiliency, while utilizing less energy and producing less sludge.

# The Organica Food Chain Reactor (FCR): More Hungry Mouths Per Cubic Meter



3000 + species

12-18 kg of  
biomass /m<sup>3</sup>

4 x the species of  
Activated Sludge

4 x the density of  
Activated Sludge

## Plants in the Organica FCR

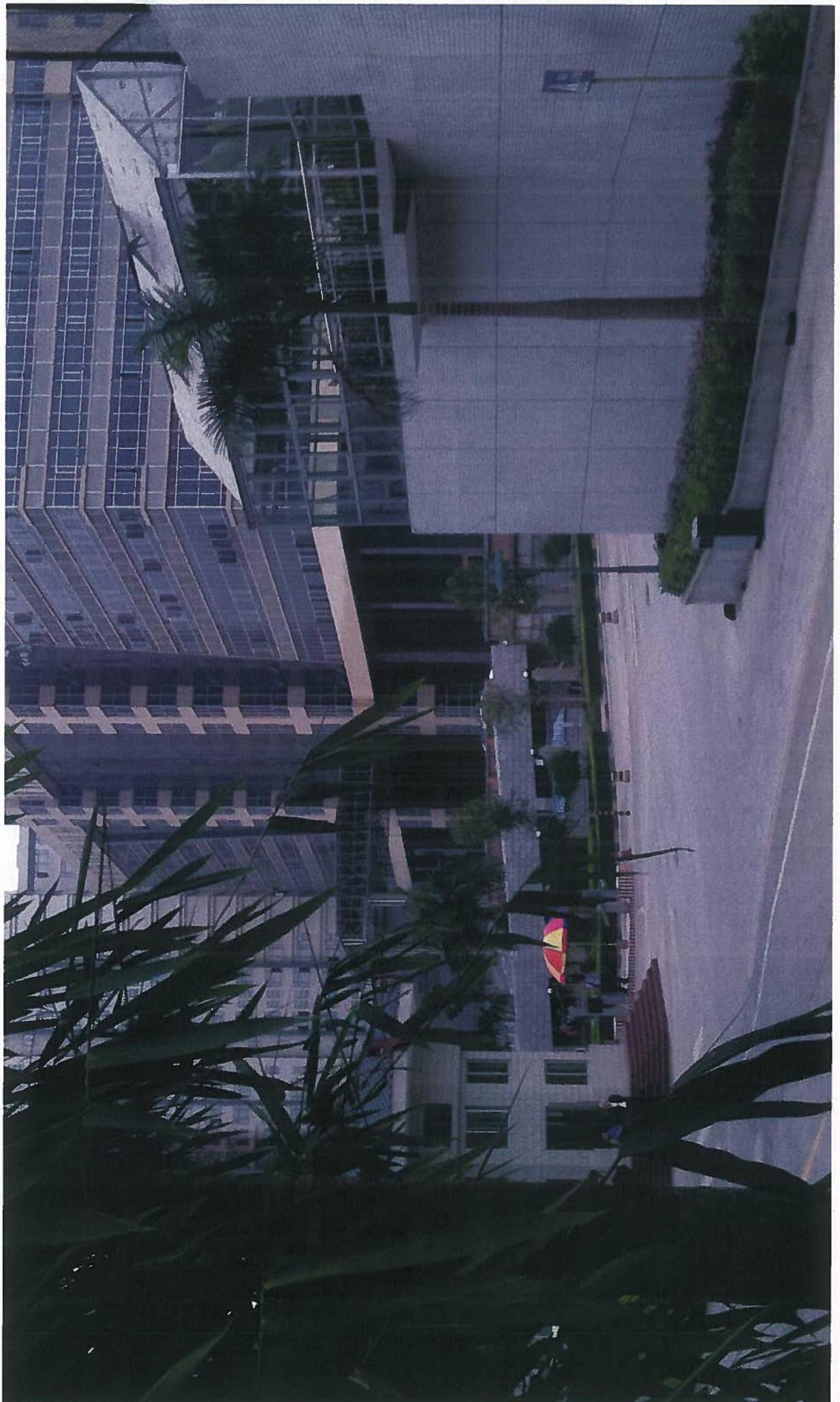


Plants are selected for their root structure, root mass and their ability to withstand the conditions in various reactors. Only locally available species are used, plants are never transported across borders. Plant maintenance is comprised of simple gardening practices that can be performed by ordinary wastewater plant operators, no special skills are required.

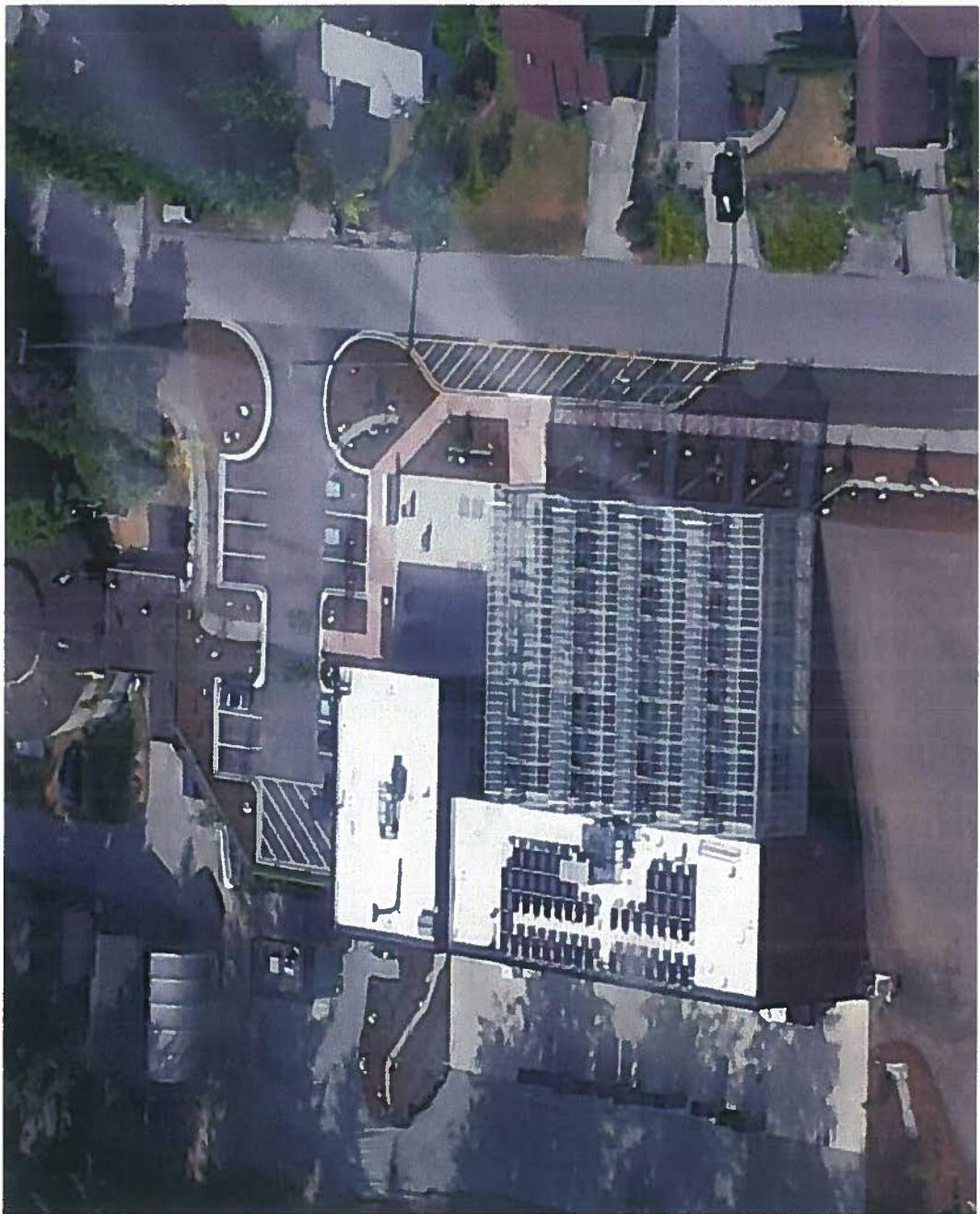
# Complete Organica FCR Design Provides a Compact And Efficient Solution



# The Alternative: WWT In The Urban Environment Silver Star (Shenzhen), China – 1 700 PE



# Sechelt Organica WWRF



# The Importance of “Psychological Footprint”



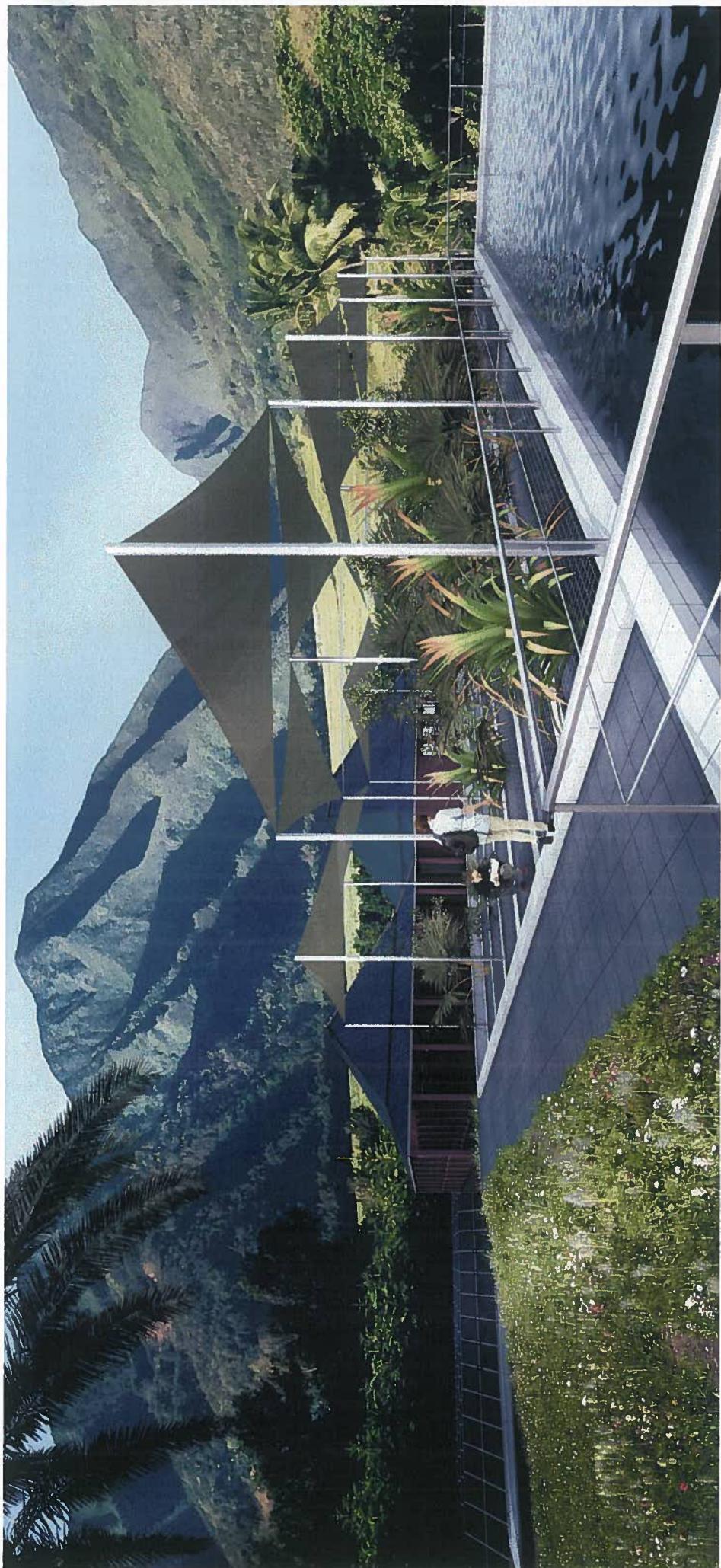
## Facilities Provide Community Interaction and Benefits



# Commercial and Campus Systems Can Engage Local Population



# Architectural Rendering



# Architectural Rendering

