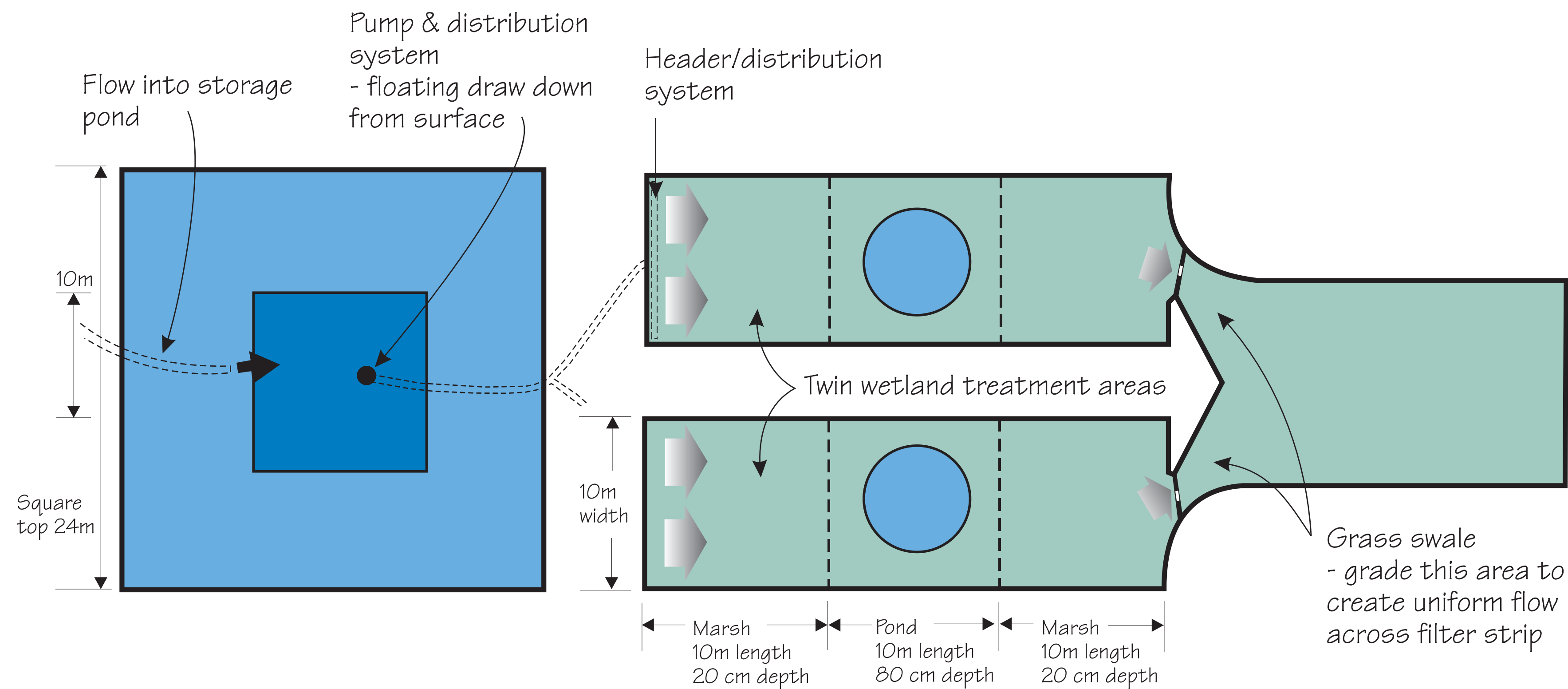
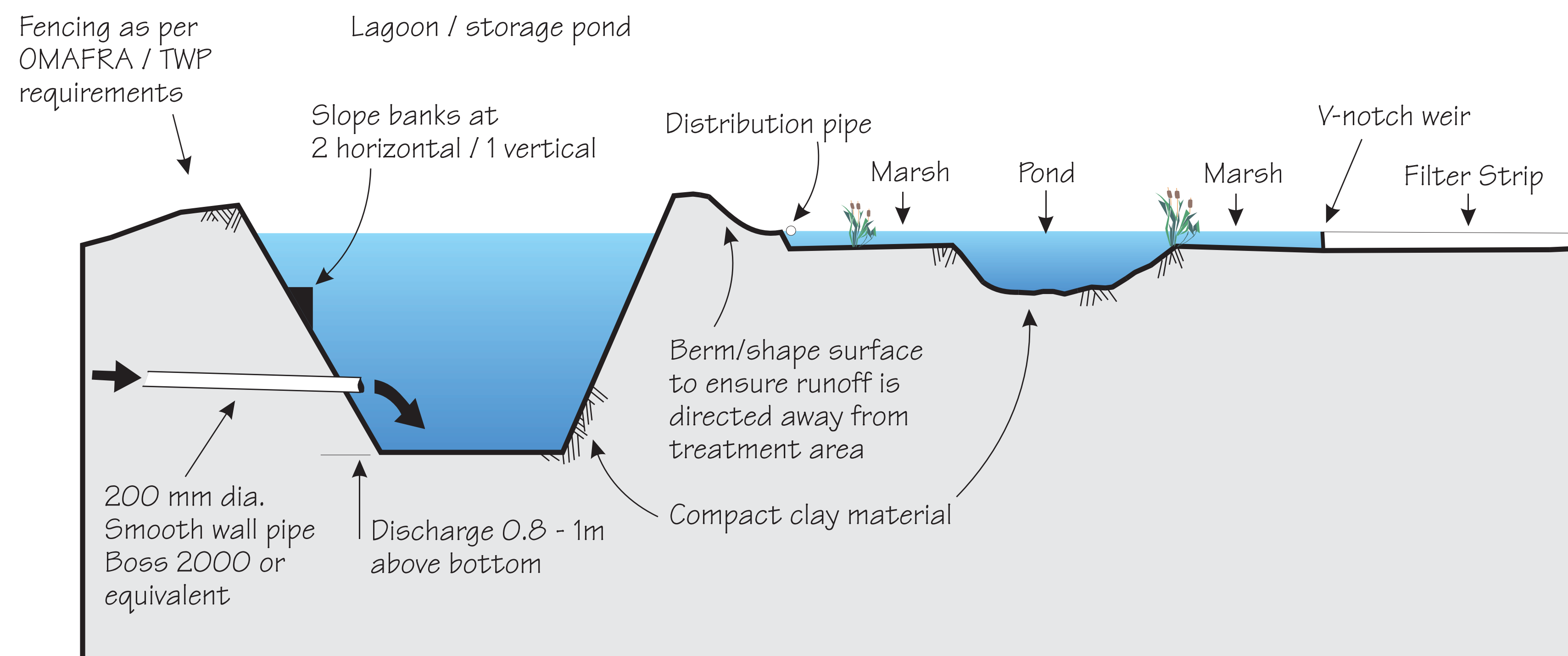


PLAN OF LAGOON/WETLAND SYSTEM



PROFILE OF LAGOON/WETLAND SYSTEM



Chitosan Water Filter

What: Reduce phosphorus in water

Why: Phosphorus is the key nutrient triggering harmful algae blooms in the Thames River and Lake Erie. Reducing phosphorus sources in rural and urban areas will help to improve water quality significantly.

How: Water is pumped through a chitosan filter, which is made by treating crushed shellfish with sodium hydroxide. Laboratory tests indicate that various forms of chitosan are effective at removing micronutrients, phosphates and metals such as copper, zinc and iron from water.



Before

After