

Individual household septic tanks +

# Communal Subsurface Flow Wetland for Secondary Treatment of all sewage/wastewater from 18 homes

Design: Norm van't Hoff Agency: USAID/ESP Location: Lhok Nga, Aceh Besar

*Can you spot the  
sewage/wastewater  
treatment system?*



January 2008



excavation 30m long



formwork & piping



high-quality concrete



planted with vetiver



after 3 months



after 8 months

Monitoring by USAID/ESP Environmental Services Program