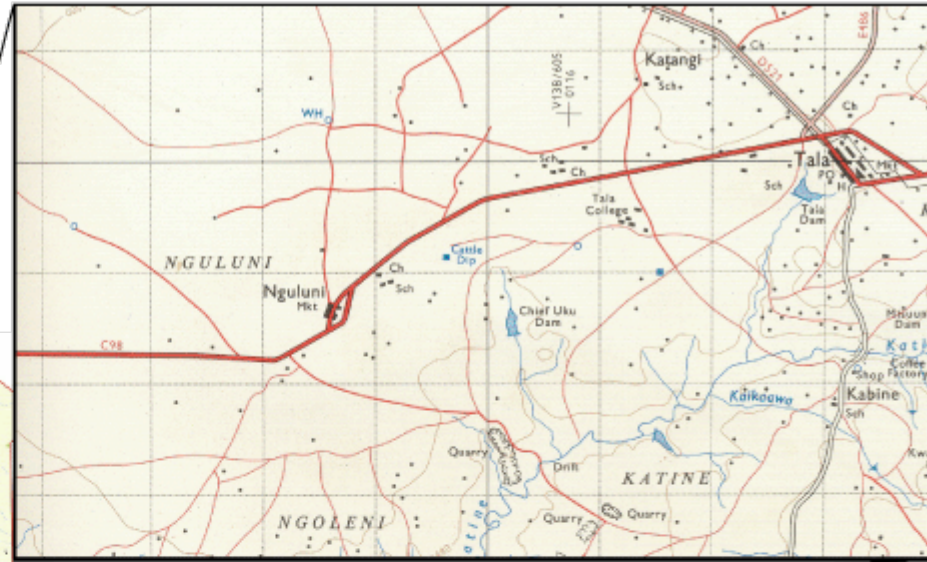
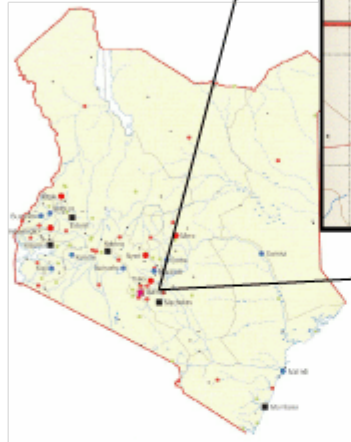




sustainability **AFRICA**

From Food to Food- Rural Sustainable Sanitation

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sustainabilityAFRICA- **POVERTY ALLEVIATION AND SUSTAINABLE ECO-VILLAGE PROJECT**

Water, Sanitation and Solid Waste
Energy, Environment and Transportation
Agriculture, Housing and Health



Pit Latrines- poor person's solution, often located near water sources, causes of faecal, ecosystems pollution and water borne diseases



Most cultures tend to regard defecating and urination a private experience.

Attitudes, customs and behaviour vary widely in regard to relieving oneself.

Men and women experience and do things differently.

Toilets are considered as places of shame and disgust, especially for females.



Lake Victoria Environment Management Programme constructed community composting latrines in Pdimu village, south west of Kampala, Uganda

Urine and excreta harvested is used in gardens

Users pay a fee per visit





Composting Ecological Toilets
constructed in six schools:

Nguluni Primary School
Kiluluini Primary School
Muusini Primary School
Mwisani Primary School
Kwangi Primary School
Nguluni Township Primary School



Still some resistance and taboos about the collection, handling, treatment and usage of excreta and urine as a nutrient for agriculture



**Revolving 4 Chamber Composting Sanitation System-
Design Innovation**



Pit Latrine and the Revolving 4 Chamber Composting Sanitation System:



Design Concept for Revolving 4 Chamber Composting Sanitation System:

Hygienic

Easy to use

Efficient Management of Waste

Quick Assembly

Durable

Overall operations more pleasant



Revolving 4 Chamber Composting Sanitation System- supplied in kit form for site assembly and installation



The biggest barrier in sanitation is the unwillingness of national and international political leaders to put excreta and its safe disposal on the international development agenda

