

The Potty Project

- OBJECTIVES

- Introduce alternative sanitation and building technologies to address the environment and sanitation problems of very poor communities;
- Facilitate social acceptability, coupled with awareness and capability-building.
- Use alternative building materials and technologies as models that people can use and experience to facilitate social acceptability.



Rationale

- According to WB research in 2006:
 - 67B spent annually on addressing sewage treatment, health costs due to the unsanitary environment.
 - - 3B spent annually on health costs due to water-borne diseases like cholera, typhoid, Hepa A
 - 17B annual losses on fisheries production
 - 47B tourism losses
 - 7 % of MM households have access to sewerage service
 - 93% of the sewage goes to Manila Bay
 - PD 856 Sanitation Code of 1975 requires the LGU to provide adequate and efficient way of collection, transport and disposal of sewage.
 - RA 9275 Water Code of 2004 requires that all households should be connected to sewerage system or included in sewerage treatment programs of water concessionaires such as collection of sewage from septic tanks every 5 years.

Initial Actions Taken

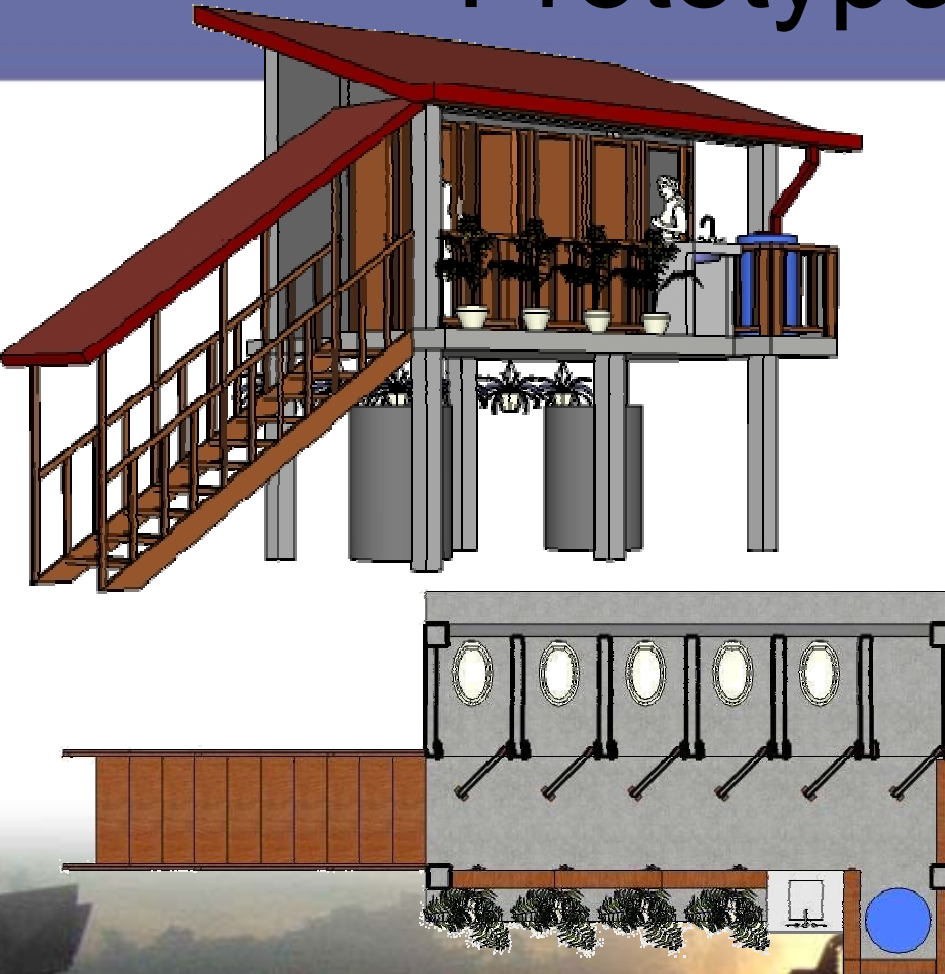
- **FIRST OPTION**
 - SANAGMANA, an urban poor community
 - Presently problematic due to flooding, and organizational problems
 - Implementation was put on-hold
- **SECOND OPTION**
 - Other poor communities needing help and will comply with requirements
 - Criteria for selection of communities has been set.
 - Call for application have been sent to networks.
 - 2 communities were recommended (Philssa-ASG).
 - Initial support funds solicited from Holcim, and US (through online volunteers)

Selection Criteria

THE COMMUNITY SHOULD BE:

- well organized;
- belongs to the lowest 30% of the poorest sector of society;
- is NOT under immediate threat of demolition at least in the next 5 years;
- is willing to provide or secure a public space where the toilet can be built with a minimum area of 26 square meters (4m x 6.5m);
- is willing to provide labor for construction;
- is willing to designate persons be trained to manage the maintenance of the sanitation facility; and .
- accepts the use of non-traditional building technologies.

Prototype Design



- 24 square meters, 5 Stalls, 1000L rainwater harvester, 2 septic tanks,
- Micro-concrete rooftiles, cement bonded board walls and floors, floor and wall tiles, concrete pedestal, constructed wetland
- Initial estimates is about PhP 330,000.00