

Children's Home Facility

Background Information:

Currently the United African Alliance Community Center (UAACC) is located on approximately 9 acres of land about a 30 minute drive outside of downtown Arusha, Tanzania. It is located in an area where there are many homes that consist of nothing more than scrap wood walls with tin roofs. There is also a high concentration of children that live off the street, either by begging or doing odd jobs instead of going to school. One of the contributing members of the UAACC that lives in the United States has purchased another 7 acres of land just down the road from the main UAACC campus and plans on developing it into an environmentally sustainable farm that will have a small children's home. The children's home has already been started, however there is still a lot of planning that needs to be done in order to ensure that the farm is sustainable for up to 30 children. The home will have sleeping, eating and community areas. The land surrounding the home can be used for farming to grow food for feeding the children however there should also be an area designated for play.

Project Description

Help plan the use of the land for this children's home and farm so that it can be sustainable. There will be approximately 30 people that will need to be provided for from this farm. Determine the best use for the farm area, including what type of food to grow and at what times during the year. It would also be desirable to have a shed for the farm equipment constructed on the property. It is also important that a safe play ground area is available for the children. This playground must be friendly to all and usable by disabled children. Your design should also include areas for future expansion as the children's home grows.

Requirement/Constraints

The entire facility must be sustainable as there are no services that are provided by the city of Arusha. What is meant by sustainable is that all garbage handling, solid waste treatment, food resources, energy needs, etc... must be provided on site. Efforts should be made to minimize the impact on the environment and on the people living at this location.

Resources:

http://en.wikipedia.org/wiki/Sustainable_agriculture

<http://www.sare.org/>

http://afsic.nal.usda.gov/nal_display/index.php?tax_level=1&info_center=2

<http://attra.ncat.org/>

Considerations:

How can you help provide some privacy in crowded conditions? How should the responsibility for maintenance and cleanliness be handled? Who should be responsible for growing, harvesting and cooking the food? How should disciplinary problems be handled?

Contour Map:

