Objective: Sifuni Mungu’s senior design project is to develop a master plan for a boys’ secondary school, dormitories and water management systems for the village of Alale in western Kenya.

Proposed Solution: Buildings will be constructed out of concrete block and metal trusses. Water management systems will collect rainfall from the roofs of buildings and will be treated with slow sand filtration.

Background/Context: The community in Alale currently rescues children who run away from their homes to escape being married as young as 9 or 10. Alale has inadequate facilities to house and educate these runaway children.

Current Situation: Alale has a primary school and a girls’ secondary school is currently under construction. The Alale community would like a secondary school for boys.