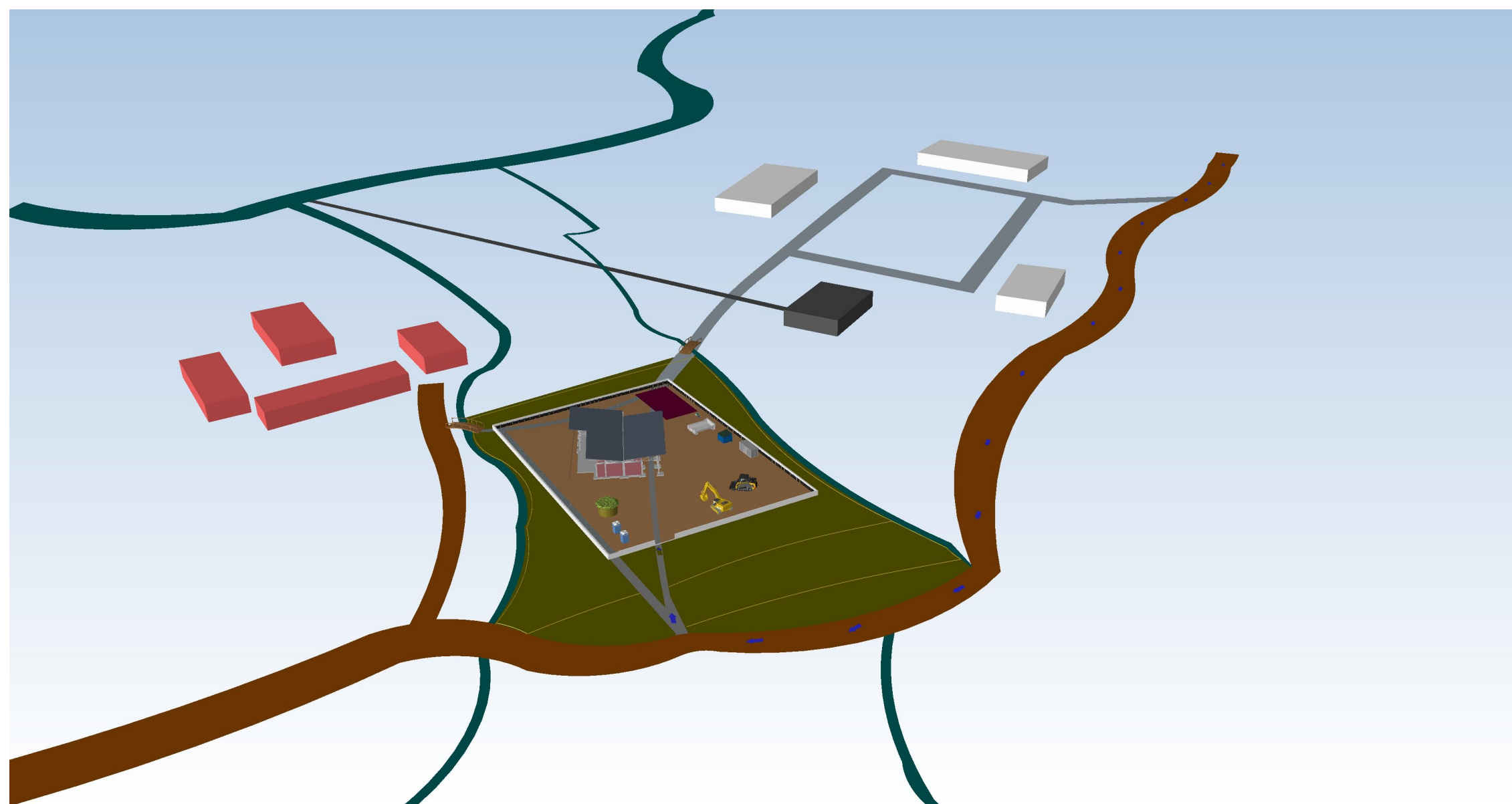
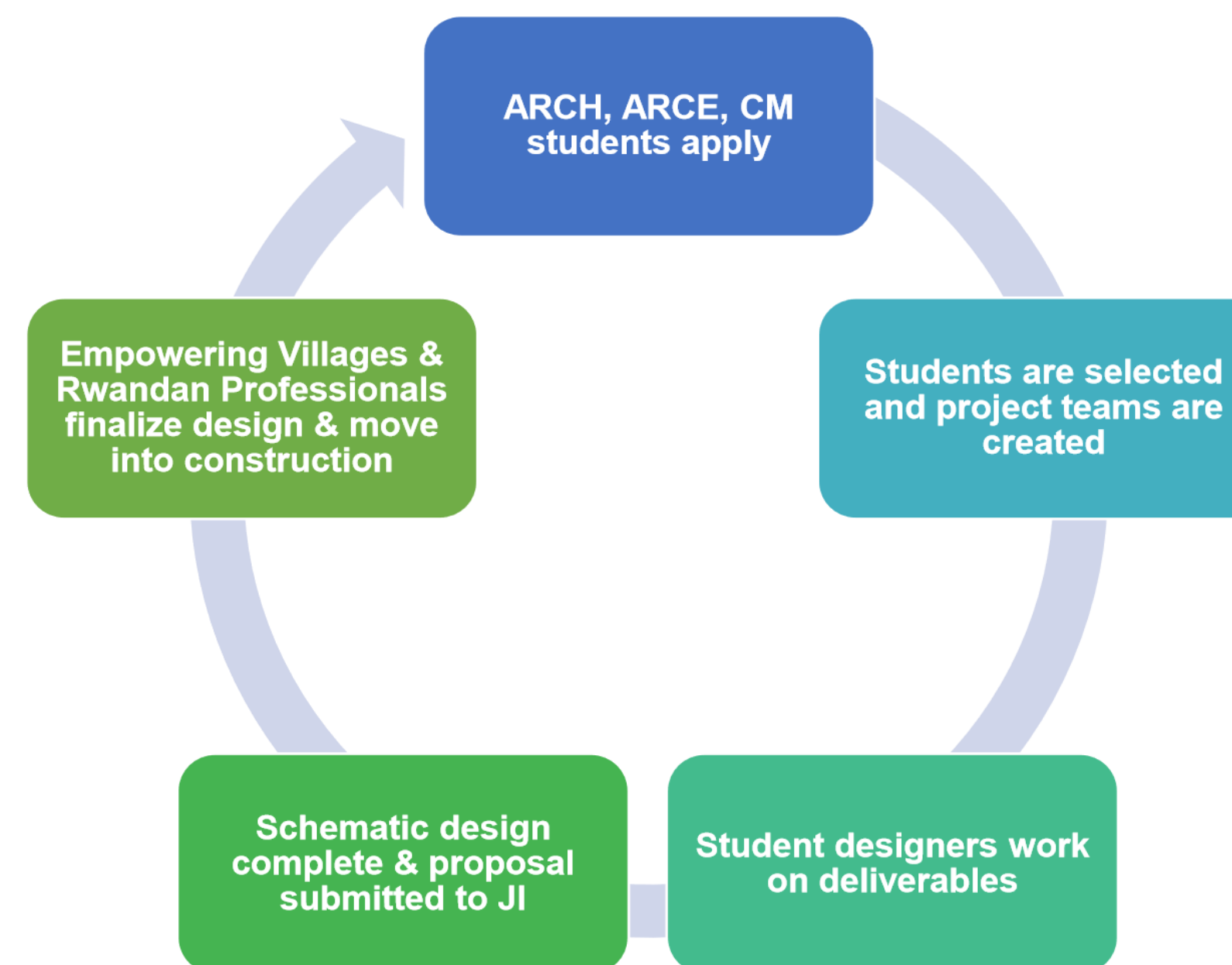


Journeyman International: Bihongora Library in Rwanda, Africa



Abstract: My senior project is an interdisciplinary effort between students from the College of Architecture and Environmental Design at California Polytechnic University San Luis Obispo and Journeyman International. Our team was given the task to design, engineer, and produce preconstruction services for a Library in Bihongora, Rwanda. My main deliverables as the construction manager consist of a construction estimate with quantity take offs, a construction schedule, and a project site plan. There is a great need for literacy in Rwanda, among both children and adults, so by building a Library we are hoping to provide the locals in the community a space that they can take ownership of and where they can be empowered to grow in all areas of life.

Keywords: Humanitarian Design, International Construction, Library, Community Development



About the Project:

Elements: Concrete Structure, Brick Infill, Confined Masonry, Butterfly Roof, Steel Trusses, Rainwater Catchment System

Cost: \$122,358 USD; \$109,867,243 RWF

Durations: Preconstruction 135 Working Days
Construction 160 Working Days



Sarah Nelson
California Polytechnic State University, San Luis Obispo
Construction Management Department, Spring 2019