

Research in Progress Abstract - Construction Practice (Non-Pedagogical Content)

Creating the Master Development Plan for a Remote Hillside Medical Clinic in Thoman, Haiti

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But God Ministries... (BGM) is an NGO (non-government organization) that began its mission in Haiti after the devastating earthquake in 2010 to support those in need and to help Haitians become more sustainable and self-supporting. They have built a medical-dental clinic called *The Hope Center*, in the community of Gallette Chambon in Ganthier, Haiti, 18 miles east of Port au Prince. BGM provides medical and dental care for the local people, as well as a church and an orphanage. They have also built 40 individual small houses in the area and moved destitute families from the Port au Prince *Tent City* into a place they can call home and eventually own. Although BGM has made great progress since starting in 2010, Executive Director Stan Buckley is looking to the future in building a new Hope Center in the remote hillside village of Thoman, Haiti. This research is a compilation of a 5-month project that looked at the work in Ganthier, Haiti, analyzed it, and used the best practices to create a master development plan for Thoman. It provides the programming, architectural design, and master plan for the Thoman Hope Center and ultimately gives BGM a guide for similar projects in the future. This research was conducted as part of an undergraduate thesis class in the McWhorter School of Building Science that: (1) analyzed the major challenges for the Thoman topographical site, (2) created the Hope Center architectural design layout, and (3) provided a construction plan with detailed sequencing of building components. The overall goal for the poster session is to (1) transfer our knowledge with others involved with international development/missions work and (2) propose a new construction management elective class that would give students the opportunity to study, design, and build abroad.

Key Words: Haiti, International Development, NGO, Master Plan, Medical Clinic