

ABSTRACT

Quarrying is an economic activity necessity that is not only hazardous to human but also one that invariably has a deleterious effect on the environment. Further, it is an extractive enterprise that involves a complete destruction of the habitat of an area where they take place. However, sustainable rehabilitation offers a method of restoring habitat and ecosystem function to areas that are degraded by the extractive industries. This implies that a sustainable rehabilitation plan is needed to be formulated as a spatial framework to guide the development in the neighborhood. A well planned and secure estate will enhance the quality of life, bolster confidence, and create a sense of identity, social and national cohesion as well as the economic growth and prosperity for the area and the nation at large. Largely, this planning development project adopted the model of sustainability of subduction the building using the principle of sustainability.

This development project identified key lessons that are to be used in the design of the River Bank Estate. The principles drawn from the case studies were; Sustainability ,An integral part of town life, Public consultation, A place for cultural expression and celebration, A place for outdoor reading and gathering and A place for quiet contemplation. Others were; public participation, sustainability, accommodation of multi-generational needs, mixed use development approach, public safety and accessibility standards that promote community engagement, housing, and/or practical use of land. Sustainable Rehabilitation of the River Bank Estate is a solution for abandoned, resource-depleted quarries that benefits everyone; by encouraging the rehabilitation of land disturbed by quarrying, society can remedy the negative effects of anthropogenic industrial activity. The redevelopment of quarries can both benefit humans and lessen the environmental impact of quarrying without removing quarrying as a global and regional industry. This project concluded that for proper implementation of the community center, there needs to be monitoring and evaluation periodically to ensure it conforms and operates under the proposed functions.