

# Creating an Innovative Blueprint for Barangay Development

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**Abstract:** *This study is focused on the augmentation, extension, and enrichment of knowledge pertaining to the design of a new development plan for Barangay Babuyan in Carrascal, Surigao Del Sur. The central emphasis is placed on the intricate interplay between person-environment relationships, particularly concerning the innovative facilities being designed, notably housing. Through a comprehensive approach, the researchers executed a survey in line with the guidelines established by the Municipal Planning and Development Council (MPDC) of Carrascal.*

*As per the MPDC, the designated relocation site encompasses a total area of 100,000 square meters, with each unit boasting a floor space of 48 square meters and an accompanying lot area of 100 square meters. The proposed project involves multifaceted considerations encompassing critical elements such as road network layout, housing design, electrical and water storage tank plans, drainage systems, and provisions for open spaces. This endeavor integrates a range of methodologies including surveying, on-site investigation, data collection, formulation of a novel barangay development plan, and comprehensive cost estimations. The development of a meticulously designed plan stands as a pivotal solution that addresses various aspects of community growth. This design, projected to efficiently accommodate the entire barangay, is rooted in the observation of a positive 2.33% average population growth rate from 1990 to 2015. Furthermore, the chosen relocation site holds the advantage of being hazard-free, exhibiting low susceptibility to landslides. The newly conceptualized barangay development plan is characterized by an easily accessible road network featuring a width of 6 meters. This network is illuminated by energy-efficient 100W solar LED street lights. In tandem, the plan includes a 3.50m x 3.50m water storage tank and an 8m x 6m house design encompassing a bedroom, living area, kitchen, and shared bathroom. The culmination of this proposed study is marked by its high level of acceptance, as it fulfills the requisites set forth by the Local Government Unit (LGU) and is aligned with the aspirations of the residents.*

**Keywords:** blueprint, innovative, barangay, development.

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