



PROJECT: PRIVATE RESIDENCE, MARACAS GARDENS
LOCATION: MARACAS VALLEY, ST. JOSEPH
OWNER: DR. WAYNE MOHAMMED
CLIENT: DR. WAYNE MOHAMMED
SECTOR: RESIDENTIAL
PROJECT VALUE: TT\$3m
PROJECT COMPLETION: Sep 2009

Project Description

This building was the first within a major hillside development and was located on heavily sloping land. The building was architecturally designed and structurally challenging due to the topography and ground conditions. The building is a three-storey split level with magnificent views of the valley.

Rivelin Consultants Limited was appointed by the Client as the Structural Consultant and construction advisor to carry out the full development and design of the structural frame of the building as well as the retaining walls.

Key project criteria

- Architecturally designed three-storey split level residential house
- 585m² (6,300sf) gross floor area including driveway and external works
- Major contour changes, ground slopes up to 40 degrees.

Our role

- Structural engineering and design of the building frame in conjunction with the architectural drawings and layout
- Structural engineering and design of all external works including retaining walls up to 7.5m high
- Engineering design of an elevated driveway
- Acted as the construction supervisor and technical advisor to the Client
- Co-ordination between Architectural and Services drawings
- Contractor liaison on behalf the Client

