



**PROJECT:** PRIVATE RESIDENCE, MOKA GARDENS  
**LOCATION:** MARAVAL  
**OWNER:** Mr. G. de MONTRICHARD  
**CLIENT:** Mr. G. de MONTRICHARD  
**SECTOR:** RESIDENTIAL  
**PROJECT COMPLETION:** Sep 2013

**Project Description**

This building is located on sloping land within an exclusive residential development. The building was architecturally designed and structurally challenging due to the topography and ground conditions. The building is a three-storey split level with pool with magnificent views of the adjacent golf course.

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
- 405m<sup>2</sup> (4,350sf) gross floor area spread over basement, ground and first floor levels
- Major contour changes, ground slopes up to 25 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 3.0m 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