



PROJECT: St. CROIX RETAINING WALL
LOCATION: St. CROIX, TRINIDAD
OWNER: DIGICEL TRINIDAD LTD.
CLIENT: TOWER ENGINEERING
SECTOR: INFRASTRUCTURE
PROJECT VALUE: TT\$1.5m
PROJECT COMPLETION: May 2011

Project Description

This retaining wall was required by the Owner to secure the infrastructure around a proposed cell tower located in St. Croix, South Trinidad. The general nature of the soil in this location is that of a highly expansive clay, and the area was particularly susceptible to landslips and slippage.

Rivelin Consultants Limited was appointed by the Client as the Structural Engineering Consultant to carry out the full analysis and design of the proposed wall to secure the site using site-specific geotechnical data.

The total length of wall under design was 50m at a maximum height of 3m.

Our role

- Adoption of the geotechnical data and use in the calculations for the retaining wall
- Structural analysis and design of the wall within a heavily expansive clay and landslip-prone area
- Development of For-Construction drawings for use by the Client for successful implementation
- Provision of technical support during construction