



PROJECT: LADY HAILES HOUSING DEVELOPMENT
LOCATION: SAN FERNANDO, TRINIDAD
OWNER: HDC (HOUSING DEVELOPMENT CORPORATION)
CLIENT: RAINBOW CONSTRUCTION LTD.
SECTOR: INFRASTRUCTURE
PROJECT VALUE: TT\$200m
PROJECT COMPLETION: 2010

Project Description

Provision of 200 multiple unit dwelling middle-income homes to the San Fernando area. Project constrained by excessively steep terrain, existing infrastructure obstacles, bounded by existing State and private property boundaries.

The project was undertaken by Rainbow Construction under a Design & Build procurement option, with Rivelin Consultants selected as the Infrastructure Design consultant.

Key project parameters

- 200+ middle income dwelling townhouse units
- 7.1257 hectares (17.62 acres) of land development
- 15,400 m² of paving including car parking
- 2,900m primary roadways
- 925m retaining walls up to 3m high
- 2,300m box drains
- 600m sewerage network

Our role

- We were commissioned to carry out the detailed design of the entire infrastructure system for the development including roadways, surface drainage system, water reticulation system, hydrant layout, retaining walls.
- The entire infrastructure layout was determined in conjunction with the requirements from the Architectural layouts which specified particular access points, car parking and tie-in to the existing main thoroughfare of Lady Hailes Avenue.
- Our design incorporated a cost-effective approach for the construction of roadways, location of car parking, and efficient hydraulic design of both the potable and wastewater systems.

