

ABSTRACT

This project concentrates on five landslides rectified by the Company for which I work - The National (Secondary Roads) Development Co. Ltd., popularly known as SRC. These landslides were located in North, Central and Southern Trinidad. This project brings together in coherent form and from a wide range of experience such information as may be useful to those who must recognize, avoid, control, design for, correct landslide movement.

The first part of the project deals principally with the definition and assessment of the landslide problem. It includes a brief geological history of the Caribbean and focuses mainly on the geological outline of Trinidad. This provides background information for the rock formation and the geological processes which led to the generation of the soils in Trinidad. It also provides an appreciation of the environment in which the soils were developed, with specific reference being made to those features which influence landsliding.

The second part of the project gives details of the five slide areas corrected by SRC: description, cause, laboratory and field investigation, application and effectiveness of solution.

The third part of the project deals with the legal and economic aspects of the landslide problem.

The final part of the project describes the different options left open to the engineer, evaluates the different solutions that could be and were applied, and makes recommendations for remedial measures and preventive methods.

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