SUMMARY

The purpose of this research project is to outline embankment failures that occurred during the construction of the "Princess Margaret Highway Improvement To Dual Carriageway Standard From the Intersection with Churchill-Roosevelt Highway to Chaguanas".

The project describes the subsoil conditions that existed before the construction of the embankment. The method described in the specification for the construction of the embankment and quality control are mentioned.

Embarkment failures occurred during different stages of the contract. In the initial stages of the contract, approximately four and a half miles of the main carriageway was surcharged. Embankment failures began developing when the surcharge was being placed. Failures occurred at nine different locations, two of these locations are described in detail. Remedials that were done and recommendations are given.

With proper quality control implemented, the reasons given for failures would be easier to analyse. The project will not try to decide if the contractor was at fault or the subsoil was not correctly assessed. Due to the quality control supervision staff, conclusions were derived on some of the embankment failures.
Also, failures that occurred later in the contract due to water intrusion are described. The remedials that were done and recommendations are mentioned.