A STUDY ON

SLOPE STABILITY PROBLEMS IN CYPRUS

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INTRODUCTION

The failure of a mass of soil in a downward and outward movement of a slope is called a slide or slope failure.

Stability analysis determines whether the given or proposed slope meets the safety requirements. Soil mass under given loads should have an adequate safety factor with respect to shear failure and the deformat of the soil mass under the given loads should not exceed certain tolerable limits. The analysis must be made for the worst conditions.

This project deals with the slope stability problems and three specific cases of such problems in Cyprus, are examined. At the end, drawings and pictures of some of the cases are included.

Also, various methods used nowadays for the analysis of stability, problems are given and explained as well as the effect of some parameters on such cases.

Finally, the purpose of this study is to help and give an explanation to Engineers in Slope Stability problems which is a very important element in the Construction Business.

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