

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**DESIGN OF A SWIMMING POOL
USING BS8110**

C/1015

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SUMMARY

Author:Charalambous Demetris

Typist:Anna Paridimou

Title:Design of a swimming pool

Abstract

This project has three main objectives ,related to the design of a swimming pool:

- Firstly the design of a swimming pool
- Then the second object is the lining work,where you have to line the pool basin with any material used ceramic,mosaic,or chlorinated rubber paint. So skill is a major factor that should be concerned, because it may determine the cost and the offer.
- Lastly the reinforcement should be calculated and be placed accurately so we have a perfectly safe swimming pool.

AKNOWLEDGEMENTS

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Finally I want to thank Mr Savvas Savva who helped me in writting and everyone else who helped me in any way to complete this project

Project supervisor: Mr M. Poullaides

Kind of project: Individual

Objectives of Designing

- To design the reinforced concrete framework of as swimming pool.
- To detail typical slabs, retaining walls and foundations and prepare their respective bending schedules.

Terms and conditions:

- Dimensions of the swimming pool were decided to be 7.5*10
- The soil pressure on the foundation should not exceed 200 KN/m²
- Only concrete grade 30 throughout the structure
- Design the pool relevant to British standards BS8110