

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING COURSE

Diploma project

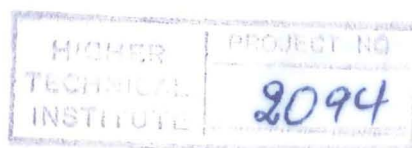
DESIGN OF A WATER TOWER

C/669

BY:

TASSOS KOUFOPAVLOU

1993



ACKNOWLEDGEMENTS

I would like to express my gratitude to all the people who with their assistance made the execution of this project possible.

Acknowledgments are extended to Mr. D. Andreou for his valuable assistance and supervision throughout the work.

I would also like to thank Mr. C. Santamas for kindly accepting to examine and assess my project.

Finally this project is dedicated to my parents for all their noval and economic support during my three years in the H.T.I.

DESIGN OF A WATER TOWER BY TASSOS KOUFOPAVLOU SUMMARY

The object of this project is the design of an elevated water tank.

The water tower will be constructed inside a city to act as a water reservoir in a water supply system. The size of the tank depends on the capacity of the water to be stored and its height on the pressure head.

The choice of the shape was done, taking into account aesthetic considerations in combination with other factors such economics and the surrounding environment. The most important factor was the aesthetic since such structures are tall. The final choice of the shape was done, taking into account the combination cost i.e. cost of the concrete reinforcement and formwork.