

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF AN IRRIGATION SYSTEM

11/852

BY: GEORGE PHOKAS

JUNE 1999

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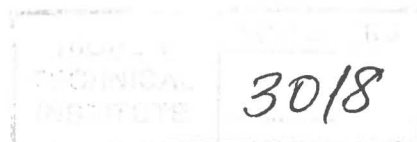
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DESING OF AN IRRIGATION SYSTEM

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Project Report submitted to
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Project Supervisor : Theodoros Symeou



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ABSTRACT

The project deals with the ~~desing~~ of an irrigation system .

The system desinged satisfies the water requirements of a new plantation of citrus orchards from the first year up to the tenth year .

Calculations were made in order to determine the water needs of our plantation from the first year to the tenth year in all seasons but the rainy ones , taking into consideration the daily evaporation (evapotranspiration) and many other factors like soil texture , plant characteristics etc.

The components used are out of the shelf and they are made in Cyprus and Israel .

ACKNOWLEDGEMENTS

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