

**HIGHER TECHNICAL INSTITUTE**  
**ELECTRICAL ENGINEERING DEPARTMENT**

**DIPLOMA PROJECT**

**"EXTERNAL TELEPHONE PLANT  
OF A NEW AREA"**

*E. 1289*

**GEORGIA MARKIDOU**  
**3E1**  
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## SUMMARY

The general idea of this project is to give a full description of the design of the telephony cabling of a new area. The first 3 chapters deal with all the parameters and objects (cables, cabinets, joint pits, manholes etc) used in the construction of the network. Chapters 4-5-6-7 deal with the actual design, cost analysis and work orders. The last chapter explains the Cable Pressure Control System used in order to avoid and prevent faults in the main cables.

The whole design was done following the certain rules and guidelines used by Cyta for the construction of its network.

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