

**HIGHER TECHNICAL INSTITUTE**  
**CIVIL ENGINEERING DEPARTMENT**

**DIPLOMA PROJECT**

**PRODUCTION OF A  
TOPOGRAPHICAL MAP**

**C/999**

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**&**  
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## SUMMARY

The main purpose of our work was to produce a topographical map of a certain area.

The area is situated near Armenochori village-Limassol (nearby national shooting ground of Limassol).

First, of all we had visited different areas in order to find the most suitable and easier to being there.

Second, we had measured all the sides of the area around the boundaries, pointing the most important stations.

Then, we had made a program of how we will be continued with our work and what instruments we are going to use. We had concluded to use firstly an automatic level for taking levels of different random points (shown on contour map) and second a theodolite so as to measure the angles and distances of certain points. Distances could be taken using automatic level also, but we use the theodolite so as to be more familiar with this instrument.

After that, we had also taken some photographs of the site using our digital camera.

Finally, after we had made all measurements and calculations, the maps were produced using the AUTO-CAD and MICROSTATION (contour map) programs on computer.

# CONTENTS

	<b>Page</b>
Acknowledgements	1
Summary	2
 <b><u>CHAPTER 1: Introduction to Surveying</u></b>	
1.1 Definition	3
1.2 Branches of Surveying	3
1.3 Types of Surveying	5
1.4 Errors and Mistakes	6
1.5 Checking the Surveying	9
 <b><u>CHAPTER 2: Levelling</u></b>	
2.1 Introduction	10
2.2 Reasons for Levelling	10
2.3 Principles of Ordinary Levelling	12
2.4 Levelling Definitions	12
2.5 Levelling Equipment	13
2.6 Methods of Booking	17
2.7 Errors in Levelling	20
 <b><u>CHAPTER 3: Theodolite</u></b>	
3.1 Introduction	23
3.2 Uses of theodolite	24
3.3 Theodolite Equipment	24
3.4 Setting-up the instrument	28
 <b><u>CHAPTER 4: Tacheometry</u></b>	
4.1 Introduction to Tacheometry	32
4.2 Reasons for using Tacheometry	32
 <b><u>CHAPTER 5: Contour Lines</u></b>	
5.1 Introduction to Contouring	33
5.2 Reasons for using Contour Lines	36

## **CHAPTER 6: Total Station systems**

6.1 General	37
6.2 Functional Requirements of a Generic Data Collector	38
6.3 Data collection operating procedures	41
6.4 Field crew responsibility	45
6.5 Surveyor-Data collector interface	46
6.6 Digital Data	47
6.7 Digital transfer	48
6.8 Data collector requirements	54
6.9 Coding Field Data	56
6.10 Summary of total station	58
6.11 Data collectors	58

## **CHAPTER 7: Global positioning systems (G.P.S.)**

7.1 GPS is a satellite navigation system	64
7.2 Space Segment	65
7.3 Control Segment	65
7.4 User Segment	66
7.5 GPS Satellite Signals	67
7.6 GPS Data	68
7.7 Receiver, Position, Velocity and Time	69
7.8 Carrier Phase Tracking (Surveying)	71
7.9 GPS error sources	73

## **CHAPTER 8: Micro Station**

8.1 Using Micro Station	75
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## **CHAPTER 9: Results and Conclusions**

9.1 Introduction	84
9.2 Leveling Tables	86
9.3 Traversing Tables and Angles Correction	88
9.4 Conclusions	91

## **Bibliography**

92
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