

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING DEPARTMENT

Production of topographical map

by

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SUMMARY

The object of the project was to produce a topographical map of an area 300×250 m chosen by our selves. The area is situated in Strovolos area near the boundary with Tseri and Laxia.

The whole project was divided into following steps :

1. The first step was the reconnaissance survey of the area and the selection of position and number of station.
2. Next, the co-ordinates of the station were determined by the process of traversing.
3. After, using levelling the reduced level of the stations were found the reduced level of the 8th station as 202.984 m.(A.D.)
4. Contouring was carried out using the grid method.
5. Finally, all existing features with the boundaries of the area were measured by the process of chain surveying.

By the combination of the above three maps were drawn :

1. Traverse.
2. Levelling and Contouring.
3. Final map.

CONTENTS

	Page
1. Contents.....	1
2. Acknowledgements	2
3. Summary.....	3-4
4. Equipment Used.....	5-13
5. Introduction.....	14-18
6. Chapter No :1 "Traverse Surveying"	19-37
7. Chapter No :2 "Levelling"	38-53
8. Chapter No :3 "Contouring".....	54-112
9. Chapter No :4 "Chain Surveying".....	113-139
10. Chapter No :5 "Final Map".....	140-141
11. Comments.....	142-143
12. Appendix	144-150
13. References.....	151-152
14. Maps.	