

H.T.I.

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

PRODUCTION OF
A TOPOGRAPHICAL MAP

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C/800

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Project report

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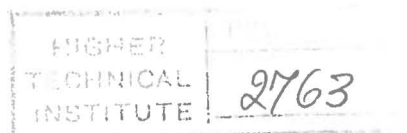
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SUMMARY

The object of this project is to produce a topographical map of an area. The area mapped lies in Xeri area.

A selection of the most suitable stations was made after a reconnaissance survey of the area.

The first step was the close traverse survey which was done by using the D14L Distomat.

The second step was to detailed the area by taking all the existing features by the method of tacheometry, using the same instrument which we have used for the traverse survey.

The following step was the levelling which was done at three stages:

- A: Spirit levelling.
- B: Ordinary levelling.
- C: Grid levelling (contouring).

At the Grid levelling stage the contour lines were drawn at 0.5; Intervals.

The following maps were drawn:

- A: Traverse
- B: Details and Traverse
- C: Levelling and Contouring
- D: Final