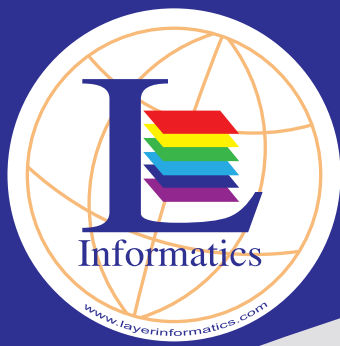




BASE MAP CREATION

A Case Study



CHALLENGES:

- Preparation of Inputs for Survey task, Defining the Survey Methodology, Designing the survey template and Incorporation of survey data onto the final database was the Challenge with this project.

INTRODUCTION:

Develop a model GIS-based property enumeration and mapping system to enable proper assessment of properties for revenue mobilization and to help the municipal corporation in overall administration.

KEY ASPECTS:

- Played a vital role in the reassessment strategy by easy classification of property depending on land use, type of construction, floor level of unit, neighborhood, area and front/back street accessibility.
- Systematic planning for cost-effective infrastructure investment and improved service provision and maintenance.
- Tax enhancement projections.

METHODOLOGY:

- Computerization of tax records.
- Creation of base map: (Creation of base map at 1:7000 scale).
- Creation of rough field maps and preparation of questionnaires for property enumeration.
- Property enumeration and field survey.
- Marking of properties on base map.
- Matching tax records on the site and indicating property ID on the marked properties.
- Classification of properties based on land use such as residential, commercial etc.
- Cross verification of survey data for authentication.
- Database design and development.
- Development of a web-based geographical and management information system by linking property maps with the database to help in property assessment and improve revenue generation.
- Porting the property maps & database on Autodesk, Map Guide server.
- Authoring of the ported data defining accessibility, display, and analysis & report generation privileges to the end user.

TECHNOLOGY:

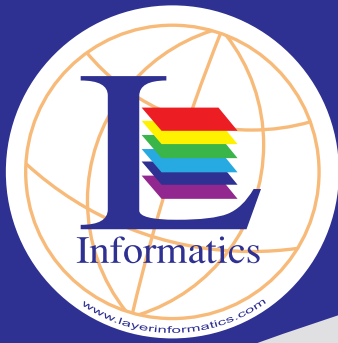
- AutoCAD Map 2004
- Map Guide

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BASE MAP CREATION

Page 2

TESTIMONIALS:

As always, thank you and your staff for the quick turn-around time. Please pass my appreciation on to your staff who worked on this.

APPLICATION:

- Creation of County Map Books and Atlases
- Property valuations and County service expansion/prioritization
- Improved Sheriff/Fire response and emergency evacuation
- Provides a strong foundation for control of future growth, land development and population forecasting.

SCREEN SHOTS:



UK Office:
Edinburgh EH2 4AT,
Scotland, UK.

US Office:
Scranton, PA 18505

Middle East Office:
Doha, Qatar.



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