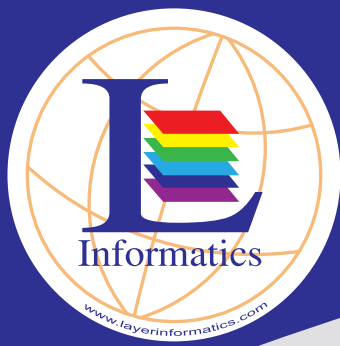




PARCEL MAP CONVERSION

A Case Study



CHALLENGES:

- Understanding actual parcel boundaries to improve the positional accuracy of property location & best fit to Orthophoto is the major concern where we had drafted the parcels with reference to the dimensions and matching to the Orthophoto.

INTRODUCTION:

The objective of this project was, drafting of parcels with respect to Orthophoto and scanned tax Maps several Counties in USA. The project was executed in conformance with the requirements of PLSS (Public Land Survey System) standards.

KEY ASPECTS:

- Preprocessing and Plotting / Printing of scanned tax maps for reference.
- Preparation of Grid Maps with respect to each Section in order to find the respective Orthophoto for the particular section.
- Construction of all the features such as Parcels, Lots, Roads and water line/Boundary etc.
- Featurization.
- Placement of Text and Dimension.
- Clean-up and topology.

METHODOLOGY:

- Preprocessing:- Checking for the completeness of the inputs & Plot scanned tax maps for the reference.
- Construction was performed in Microstation Geographic's using the tools provided by the customer.
- Parcels were constructed with reference to Orthophoto and dimensions from the scanned taxmaps.
- Featurization: - New customized tool was provided by client in-order to complete this task. Tool provided by Client was useful to categorize various features such as parcel boundary, road right of way, water body: rail road, etc., are assigned to linear segments using this tool.
- Text and dimensions were placed as per the placement standards / rules provided by Client.
- Data Clean-up and Topology with respect to each feature class.
- Quality control & Quality assurance was carried to ensure aesthetical representation of annotations and completeness of digital database with reference to check list and acceptance criteria.

TECHNOLOGY:

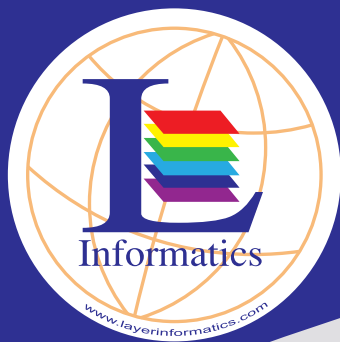
- Microstation J
- Custom tools provided by Client

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PARCEL MAP CONVERSION

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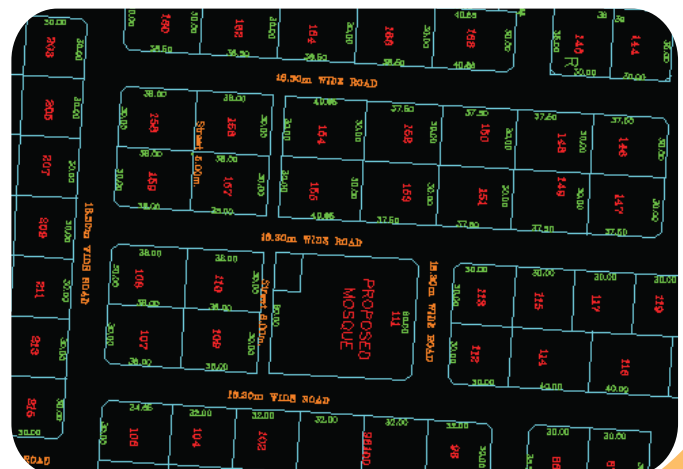
TESTIMONIALS:

We look forward to working with your firm again and the great work you have provided in the past.

APPLICATION:

- This digital tax map were used to calculate, manage, edit or update the new records and query the database.
- The digital maps were also be for County financial planning and policy.
- The revenue office will also know the locations and sizes of the properties and signboard from this map and they can estimate the future tax income.
- Print-copy of these digital maps were used by assessors' to collect the due tax door to door basis.

SCREEN SHOTS:



UK Office:

Edinburgh EH2 4AT,
Scotland, UK.

US Office:

Scranton, PA 18505

Middle East Office:

Doha, Qatar.



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