



## PRE-BIM to BIM CONVERSION (PARCEL MAPPING)

*Client: Teranet Land Information Services Inc.*

**Malone Given Parsons Ltd.** has undertaken the process of converting Teranet's Ontario Parcel (or Pre-Basic Index Map; Pre-BIM) product to a full Basic Index Map (BIM) product for Sudbury District Land Registry Office. This conversion process involves verification of the existing parcel and land feature data sets, increasing its accuracy to the more rigorous BIM standards, and incorporating additional data layers into the Pre-BIM product. The process of data verification involves validation of all properties existing in the Pre-BIM product with hardcopy plans and registry documents.

The spatial extents, adjacency and shape are all edited as needed to conform to both registry information and Ontario Base Mapping. Additional data layers not present in the Pre-BIM product are also created from this hardcopy information using a variety of techniques including on-screen digitizing, co-ordinate geometry data entry, and fitting and proportioning to existing data. A variety of customized tools have been developed within Microstation v8 to increase the speed and accuracy of data capture, and a rigorous program of automated QA/QC has been implemented to ensure a product which meets all specifications.