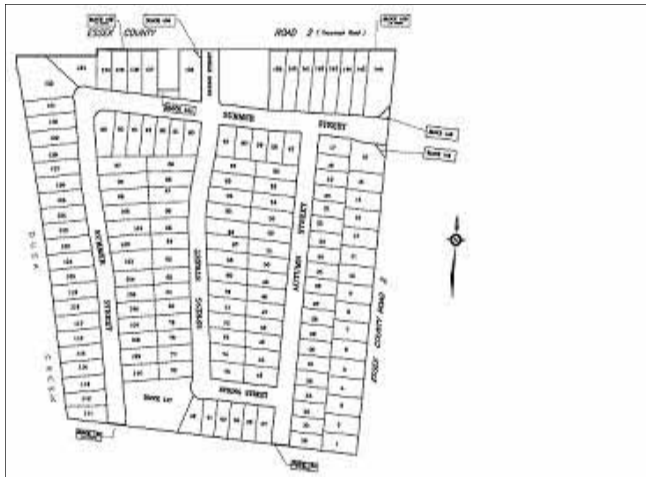


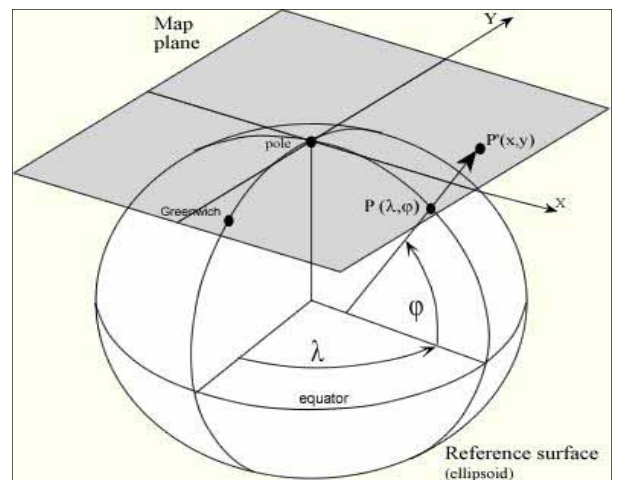
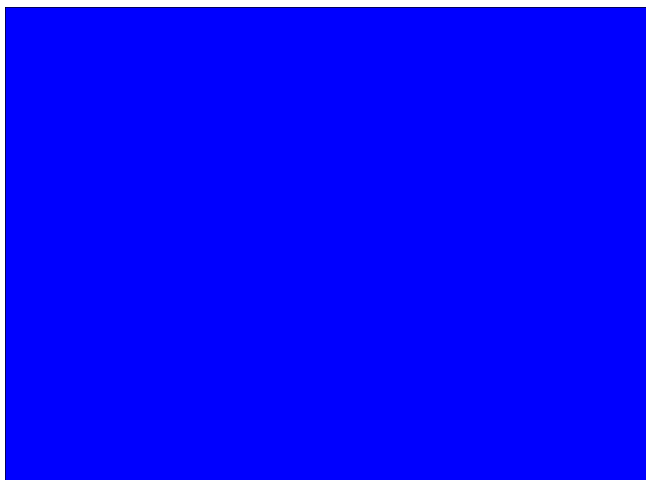
Georeferencing Infrastructure Records



Ref: 2009—004



Recommendations for Municipalities



Association of Ontario Land Surveyors

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The Challenge

Efficient Management of Infrastructure Records

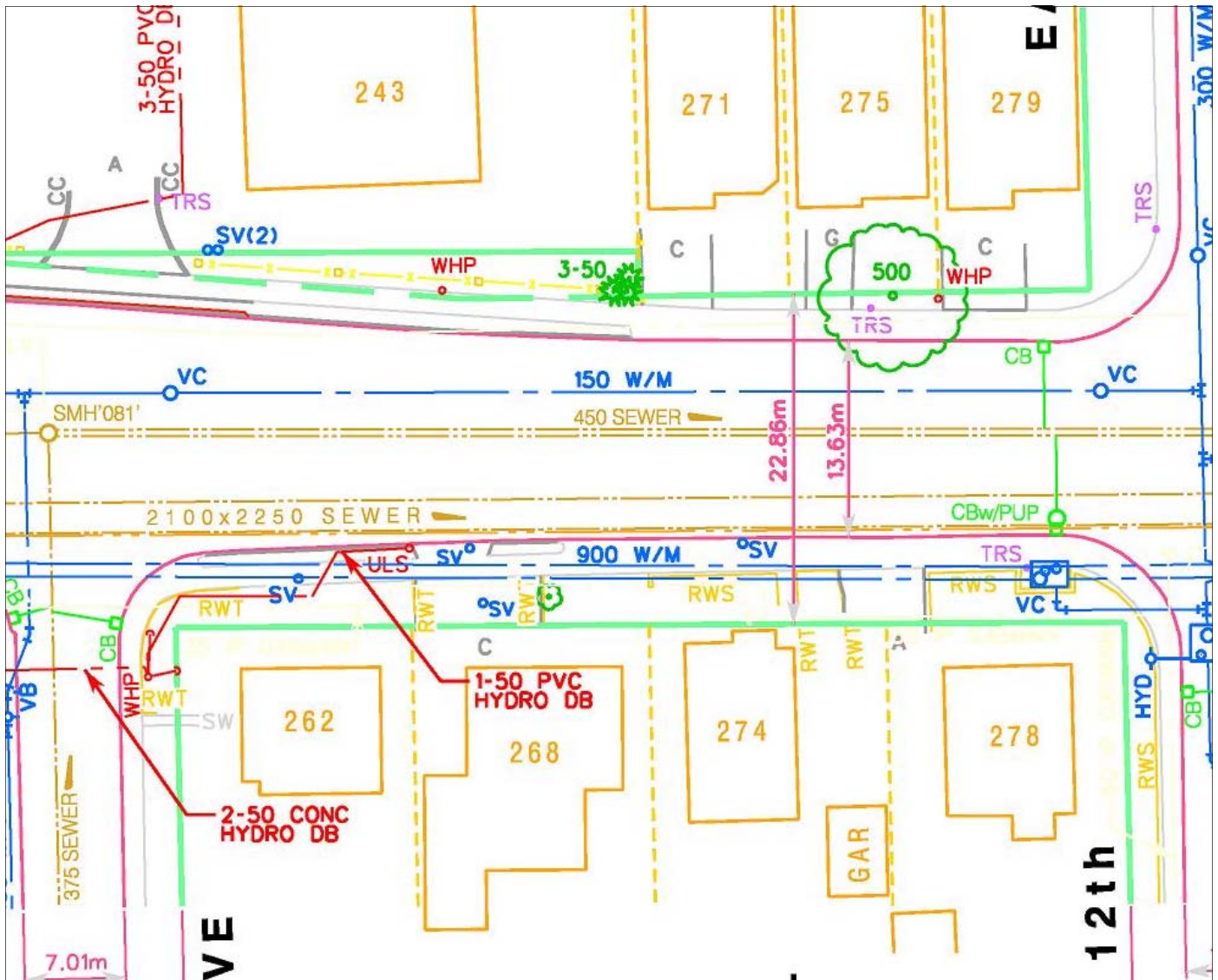
The Association of Ontario Land Surveyors recognizes the importance of georeferencing for the efficient management of land and other information, and has endorsed a regulatory amendment that will require Land Registry Office plans to be referenced to a modern North American datum and Provincial Coordinate System. Many municipalities do not require public and private utility infrastructure to be referenced to a known coordinate system and datum, and may miss opportunities for cost avoidance.

What Municipalities Can Do to Accelerate the Georeferencing of Infrastructure Records to a Modern Framework

Municipalities should develop policies for the referencing of public and private infrastructure (particularly in the road allowance), to the provincial datum and coordinate system.

Why Municipalities Should Develop Policies to Referencing Infrastructure Records to the Provincial Framework

- ✦ Many infrastructure records are kept permanently and represent a significant challenge for municipalities to manage efficiently and effectively. Introducing georeferencing reduces that challenge and presents opportunities for service improvement and cost avoidance.
- ✦ A common georeferencing system, when used with a defined database and drawing level/attribute structure, would facilitate drawing overlay and feature extraction and comparison, and reduce data maintenance costs for asset management and other municipal information systems.
- ✦ A common georeferencing system would facilitate the assembly of base plans used for the management of rights-of-way and the preparation of design drawings for construction in the road allowance.
- ✦ A common georeferencing system would facilitate the integration of the Global Navigation Satellite System and other spatial information.



Action

Contact a professional surveyor for georeferencing infrastructure records or design of a geographic information system that would provide short and long-term returns.



Association of Ontario Land Surveyors:

The Association of Ontario Land Surveyors was formed to regulate the practice of professional land surveying and to govern its members so that the public interest may be served and protected.

The Association of Ontario Land Surveyors (AOLS) issues licences to Cadastral (Legal Boundary) Surveyors and Certificates of Registration (C of R) in Geodesy, Geographic Information Management, Hydrography and Photogrammetry. Applicants must comply with academic requirements, a Term of Articles and pass the professional examinations. All members are entitled to use the designation O.L.S. (Ontario Land Surveyor) or O.L.I.P. (Ontario Land Information Professional).



Many of the members of the Association of Ontario Land Surveyors are employed by municipalities and government agencies, and provide services to municipalities. Professional surveyors are in a position to identify practices that will improve the efficiency and effectiveness of municipal operations.

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Approved by AOLS Council

Motion Date: February 17, 2009

Publication Date: February 17, 2009

Related Policies

Title and Reference Number:

1. Survey Plans Are protected By Copyright—2009-002
2. Engage Professional Surveyors To Building Geospatial Infrastructure 2009-003

Revision Dates