

**TOWN OF DRUMHELLER  
INFORMATION 2000 PROJECT**

**POLICY # A-10-98**

**MAPPING STANDARDS**

**POLICY STATEMENT:**

1. Mapping data will continue to be maintained by the Town in a way that facilitates the sharing of digital information with other organizations and utilities serving the Town. This can include but is not restricted to utilities, Provincial agencies, Palliser Regional Municipal Services, developers and contractors.
2. Efforts will be made so that all agencies who create changes to land parcels or physical assets within Town boundaries will be required to submit digital copies to the Town to minimize work involved with the maintenance of map bases.
3. Common map bases will continue to be maintained to be as up-to-date as practical and affordable, but in all cases will be updated at least quarterly.

**IMPLICATIONS:**

CAD standards have been implemented based on the City of Calgary's JUMP (Joint Utility Mapping Program). Major utilities and land developers are able to share data that conforms to this standard.

The Surveys Act establishes a standard for describing survey control monument locations, which has been adopted by all organizations that create and maintain land information. The Town of Drumheller will continue to follow this standard as it changes periodically.

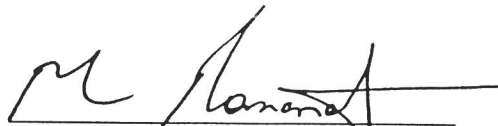
In line with other provincial initiatives, it will be a goal of the Town to have parcel map updates prepared by those parties who propose changes to the parcel fabric through subdivision and registration of other interests such as rights of way and easements. Subdivision by description (ie. metes and bounds) should not be permitted: all subdivisions should be by survey, and subdivision approval should be contingent upon receiving a digital map based on the Town's standards and with adjustments made by an Alberta Land Surveyor.

Similarly, developers and contractors should be required to submit digital maps of as-built records that conform to the Town's mapping standards, as a condition of Development permits and Development/Service agreements.

## MAPPING STANDARD

1. The standard for CAD drawings of infrastructure will be the City of Calgary's JUMP (Joint Utility Mapping Program), as amended from time to time. This standard includes layering and symbology for cadastral, water, sanitary and storm sewer, natural gas, electrical, telecommunications, curbs, and roads.
2. Mapping will be based on the 3° Transverse Mercator (3TM) map projection using the provincial survey control standard 1983 North American Datum (NAD 83). Map projections will be updated if the Province changes this standard.
3. The parcel map that is maintained will be based on Tax (Ownership) parcels, which are drawn as polygons (also referred to as areas, shapes or regions), identified and linked to databases by a unique identifier. The tax roll number and land titles link number will be used for this purpose.
4. Any base maps developed in the future will be designed to provide the capability of making the map "intelligent" and GIS ready and to link to existing and future record systems.

Adopted by Muni2000 Steering Committee:  
Dated: December 2, 1998



R. M. Romanetz, P. Eng.  
Chief Administrative Officer