

Vancouver Island 2065: Moving Towards Sustainable Service Delivery

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A new partnership initiative – **Vancouver Island 2065** - was announced at the 2013 'State of the Island' Economic Summit, held in Nanaimo this past October. Because affordability ultimately drives infrastructure standards of practice, **Sustainable Service Delivery** is a foundation piece for this initiative.

Sustainable Service Delivery integrates all the principles of Asset Management. It understands the value of land-use planning; and it understands the impacts that land-use planning has on service delivery. It also integrates the 'design with nature' philosophy.

Vancouver Island 2065 calls for a 'top-down bottom-up' strategy that forms collaborative and effective relationships among key stakeholders Island-wide to achieve a settlement in balance with economy and ecology.

A Novel Partnership

Vancouver Island 2065 is a partnership initiative of Convening for Action Vancouver Island (CAVI) and the Vancouver Island Economic Alliance (VIEA). Joining this collaboration is Royal Roads University (RRU). A key component of the *Vancouver Island 2065* vision is a secure water supply for commerce, industry and human settlement, essential for food and energy security and a healthy economy.

VIEA has a mandate to foster collaboration for a vital and sustainable Island economy while CAVI is a regional initiative delivered by the Partnership for Water Sustainability in BC under the umbrella of the Water Sustainability Action Plan for BC. Commencing in 2010, VIEA and CAVI have aligned efforts.

This novel partnership of VIEA, CAVI and RRU draws together the business sector, water resource specialists and an innovative university, to frame through a network of partners, a long-term vision for Vancouver Island based upon sustainability principles.

A Pragmatic Approach

Adopting a long-term vision calls for creative partnerships, multi-disciplinary involvement and collaboration that attracts a diverse group of players to work towards a common vision based upon the underlying principle of an economy and ecology sustained in balance. Each agency or organization fulfills a vital role in addressing this goal, including the province, regional and local governments, business, developers, academia, First Nations, community stewardship groups, agriculture and the resource industry.

This partnership has the potential of being a model for other regions in the province and beyond. A grassroots initiative developed through working partnerships and collaboration, it is nevertheless pragmatic in its approach and sustains connection to the decision makers at the local, regional and provincial levels of government. The operating principles include establishing universal values that all can agree upon, while recognizing and respecting the unique opportunities and challenges within each community. The goal is to develop creative partnerships while fashioning and then adopting a common vision.

A Solid Foundation

Two initiatives have laid the foundation for the partnership between CAVI and VIEA and the creation of the *Vancouver Island 2065* vision.

CAVI has been collaborating since 2006 with local governments and regional districts on the east coast of Vancouver Island under the umbrella of the *Water Sustainability Action Plan for British Columbia*, culminating in the Georgia Basin Inter-Regional Educational Initiative (IREI). The focus of the IREI is on a watershed-based approach to community planning and development. The IREI has been endorsed by the Boards of four regional districts, including the Capital Regional District, Cowichan Valley Regional District, Regional District of Nanaimo and Comox Valley Regional District.

Complementing the IREI initiative is VIEA's LINK project, a Collaborative Model of Regional Economic Development for Vancouver Island. This comprehensive *State of the Island* report, conducted in 2009-2010 throughout Vancouver Island, was inclusive in its mandate, collaborative in its approach and as a result, identified three common objectives: support for a

diversified local economy, improved relationships with First Nations and long-term sustainability.

View Watersheds through an Asset Management Lens

Asset management usually commences after something is built. The challenge is to think about what asset management entails BEFORE the asset is built. Cost-avoidance is a driver for this 'new business as usual'. This paradigm-shift starts with land use and watershed-based planning, to determine what services are affordable, both now and over time.

Developers, governments and agencies understand that a collaborative balancing of economy, settlement and ecology provides an opportunity for the best of outcomes for all parties. Proof of success for this approach can be found in the Comox Valley, where through 'developer dialogue', the approach of planning for development on a watershed basis and getting things right at the front end has emerged as essential for investing in the right infrastructure for pragmatic asset management.

Vancouver Island 2065, building upon the IREI and LINK initiatives, seeks to establish an Island-wide forum to provide opportunity for sharing of ideas and stories of successful projects that integrate watershed management and asset management principles. It is hoped that this collaborative approach will set a new standard for land use planning on Vancouver Island—one that recognizes the importance of settlement in balance with the economy and ecology.

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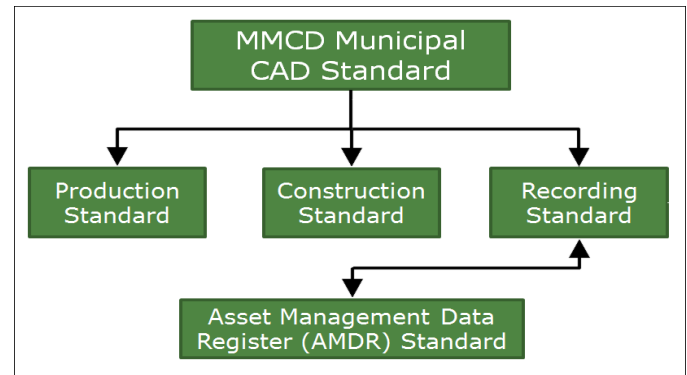
Consistency of Approach

Developed by MMCD

Overview

Today's BIM (Building Information Modeling) infrastructure design and construction technologies are dependent on consistent data standards for all infrastructure project phases. Municipal Master Construction Documents Association (MMCD) introduced the *Municipal CAD Standard* in 2009 and since then, has designed a framework for the development of a suite of infrastructure data standards

for the design, engineering drawing production, construction, record data collection/reduction and asset management phases of infrastructure projects. These standards will assist your asset management program due to their emphasis on the collection and reduction of post construction record data recording of data in your asset register.



MMCD Municipal CAD Standard

Since its introduction, the MMCD Municipal CAD Standard has undergone 3 major updates, and includes standardized elements required for infrastructure design using AutoCAD and AutoCAD Civil 3D, which are the primary design tools used by most BC Consultants and Local Governments. The Municipal CAD Standard is significant because it not only makes it easy to design in a standardized environment, but also serves as the basis for the development of the drawing production, construction and data recording standards. This means that your designs, created using the Municipal CAD Standard, makes it easy to produce construction drawings, generate construction staking data, and deliver consistent record data required for post construction submissions and ongoing lifecycle management.

Drawing Production Standard

The Drawing Production Standard is a subset of the Municipal CAD Standard and introduces consistency to the visual appearance of infrastructure drawings. Standardized components include text styles, symbols, line types and drawing borders. The drawing production standard greatly simplifies design review and construction processes.

Construction Standard

The Construction Standard is also a subset of the Municipal CAD Standard and relates to the level of detail