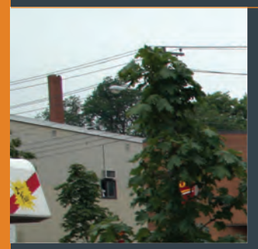
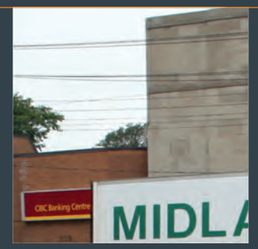
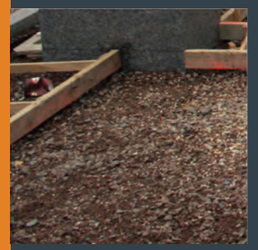
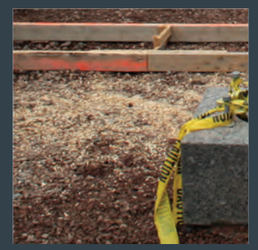








Engineering

Hydrological and Watershed Analysis

Stormwater Wetlands

Engineering Reports

Storm Water Design

Sediment and Erosion Control Plans

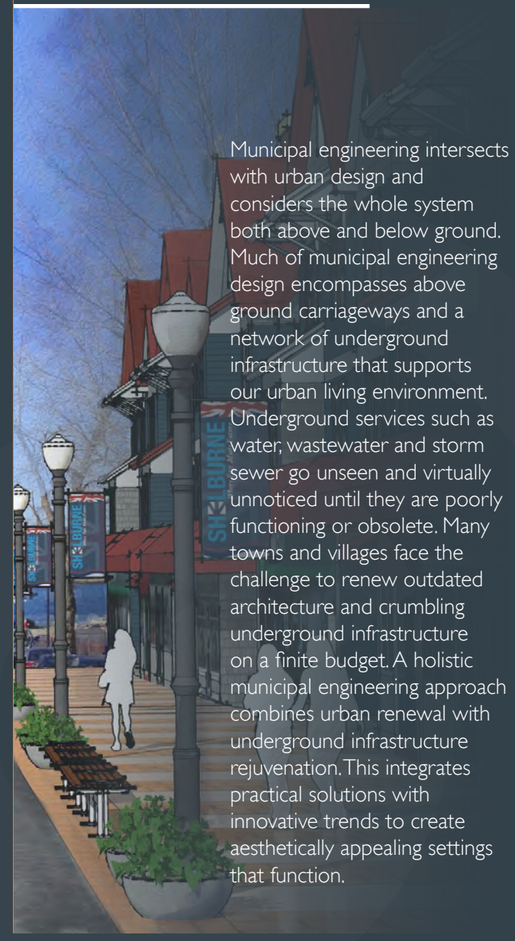
Concept and Area Structure Plans

Cost Estimates and Feasibility Reports

Roads, Site Services, and Grading Plans

Subdivision Design

Municipal Approvals



Municipal engineering intersects with urban design and considers the whole system both above and below ground. Much of municipal engineering design encompasses above ground carriageways and a network of underground infrastructure that supports our urban living environment. Underground services such as water, wastewater and storm sewer go unseen and virtually unnoticed until they are poorly functioning or obsolete. Many towns and villages face the challenge to renew outdated architecture and crumbling underground infrastructure on a finite budget. A holistic municipal engineering approach combines urban renewal with underground infrastructure rejuvenation. This integrates practical solutions with innovative trends to create aesthetically appealing settings that function.

www.ekistics.net

Canada
1 Starr Lane
Dartmouth, NS, B2Y-4V7
t 1.902.461.2525
rob@ekistics.net

United States of America
6 State St., Suite 308 - 2
Bangor, ME, 04401
t 207.266.3230
rob@ekistics.net

EKISTICS PLANNING & DESIGN

URBAN DESIGN
LANDSCAPE ARCHITECTURE
ENGINEERING
RESORT & GOLF
SPORT

Our approach to engineering employs a multi-disciplinary perspective to realize the creative construction of the built environment. Our understanding of new materials and new approaches to construction facilitates the integration of sustainability, economics, aesthetics and construction science.

LEED ND

LEED Neighbourhood Development is a rating system that integrates the principles of smart growth, urbanism and green building into the first national system for neighbourhood design. The principles of LEED ND build on the LEED New Construction framework familiar with buildings.

Stormwater Management

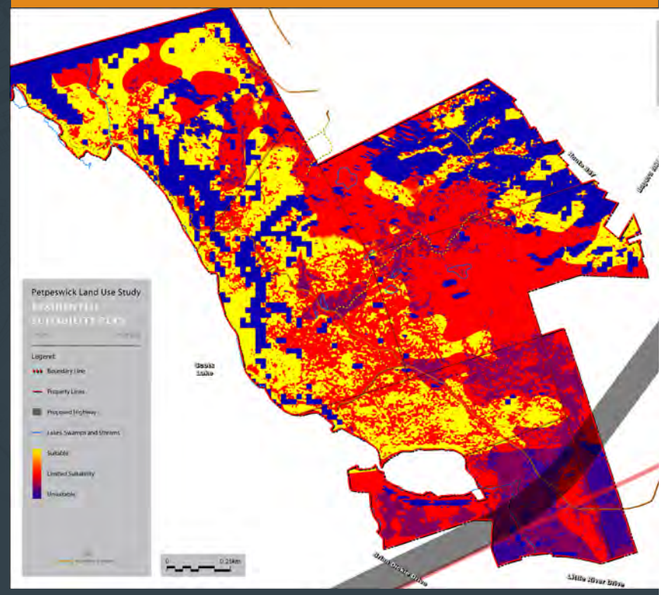
Storm water management is an integral part of all land development. The tasks to control run-off, reduce downstream erosion and manage flood risks is ever present and as our population increases so does the challenge to protect our rivers, lakes, and oceans. At Ekistics, we emphasize the use of natural collection and storage facilities to maximize living space and minimize environment impact. In Urban settings, we combine solid engineering know-how with leading technologies to match pre and post development flows in the most efficient manner possible. As storm water regulations become increasingly stringent it is at Ekistics that you will find cost effective solutions that incorporate environmental best practices to protect our future.

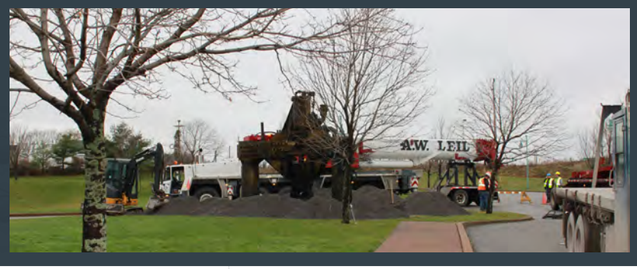
Engineering Technology

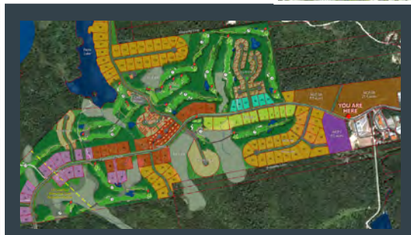
Our engineers use some of the most modern hardware and software tools for modelling including Watershed Modelling System (WMS) and Civil 3D to dynamically model the hydrological and built environment. These tools make the process of design engineering much more accurate and time effective.

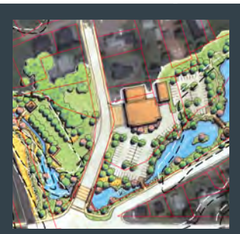
Subdivision Design

At Ekistics, the engineering team works alongside the landscape architects during the creation of a new living space. This allows seamless transition from site plan creation to constructible detailed design drawings and creates imaginative subdivision design with efficient road/lot ratios.









Onsite Septic Design

We staff Qualified Persons (QP1) who are trained in the design, installation and repair of on-site sewage disposal systems in Nova Scotia. We stay current with the newest technologies and are equipped to create a rural subdivision master plan but we are ready to design a disposal system for your new recreational property.

EKISTICS PLANNING & DESIGN

Engineering