ITMBC | Enterprises Inc.

Innovative Technology & Material

Stormwater Management
&
Erosion and Sediment Control (ESC)

During and Post-Construction

Consultation, Design and Maintenance

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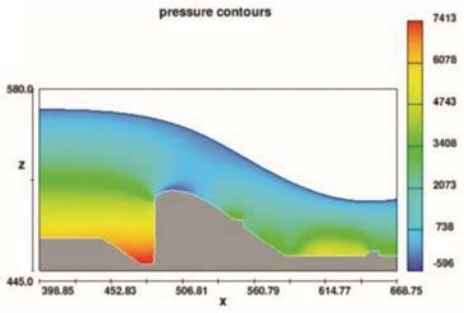
Our Manifesto

ITMBC Inc. (ITMBC) has been established in 2017 to provide innovative engineering solutions and services for Water Resources Engineering related projects. Our professional engineers certified under the “Engineers and Geoscientists BC (EGBC)” association, have more than 20 years of extensive experience in residential and commercial Stormwater Management, Erosion and Sediment Control, Hydrogeology, Hydrology and Hydraulics Engineering.

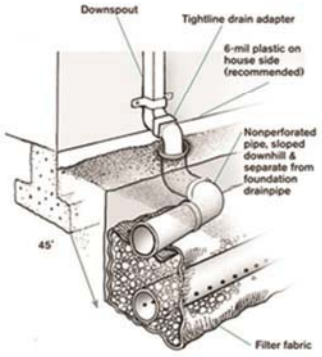
We are proud to provide consulting engineering and construction services in the following sectors:

- **Stormwater Management, Erosion and Sediment Control**
- **Modern Irrigation Systems**
- **Water Resources/Hydrotechnical Engineering**



Our Vision

As a socially responsible company, we are passionately committed in pursuing projects that maintain a sustainable and green environment while being mindful of the safety of our clients, employees, visitors, and contractors.



Our Mission

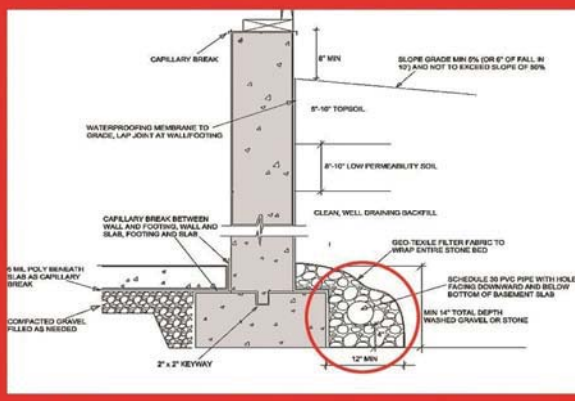
Our mission is to provide innovative and cost-effective engineering solutions and services for supporting and sustaining Water Resources and Civil Engineering projects.

This catalogue is specifically prepared and distributed to demonstrate the capabilities of ITMBC in providing engineering services in Stormwater Management as well as Erosion and Sediment Control sectors for residential and commercial construction projects.

Stormwater Management

What is Stormwater Management?

Controlling and treating runoff is known as stormwater management. A residential or commercial stormwater management system is a small scale hydrological system involving surface water and ground water that flows through the property and discharges to the natural creek or city stormwater collection system. Stormwater runoff occurs when rain and/or snowmelt flow over land or impervious surfaces (such as driveways and rooftops) and do not percolate into the ground.



What does ITMBC Inc. Offer?

Regardless of your project's objectives and constraints, our team of design engineers are here to provide you with expert advice and assistance.

At every stage of your project, count on ITMBC to provide engineering services including:

- Regulatory guidance and permitting assistance
- Preliminary standard details and/or site specific final CAD drawings and specifications
- Low Impact Development design assistance
- Engineering calculations for hydraulics/hydrology, rainwater harvesting, and detention/retention
- Review of preliminary site design, feasibility screening, and layout assistance
- Value Engineering - cost estimates and options analysis
- Installation and construction support
- Operation and maintenance support

The result is an efficient design, the right product, more land space savings and a smoother permit issuing process.

Our engineers at ITMBC have extensive experience in hydrology, hydrogeology and hydraulics engineering and thoroughly understand the relationship between the nature of the stormwater and environmental sustainability. This diversification of services gives our clients unusual expertise and extraordinary value. Very few firms have this level of focused in-house technical knowledge and experience in design, construction, and maintenance of stormwater-related infrastructure implemented by employees who are passionate about water resources and environmental features.

To mitigate the risk of damage to the property and proposed structure during construction and post-construction, the professional experts at ITMBC will:

- Conduct a thorough study of the technical data to understand the surface and underground flow
- Use the most reliable yet economical technology, materials and equipment available in the market in the design of the stormwater management facilities
- Provide site visits and interview sessions during/post-construction with the general contractor, owner and the architect
- Design the underground components to ensure minimum impact on the building due to presence of water behind and around the wall and foundation structures.

Operation & Maintenance Services

The following outlines the Operation & Maintenance services that ITMBC provides

- Regular inspections including photo documentation with recommendations to help identify maintenance issues to catch small problems before they become larger and more expensive problems
- Routine maintenance to improve aesthetics, reduce long-term costs, and avoid costly surprises
- Maintenance of above-ground facilities targeting common problems such as erosion, burrowing rodents and vegetation management before they become major construction projects
- Sediment, litter and debris clean-up to avoid clogging of the system
- Provision of resources when storm damage or emergency situations arise
- Provision of economical design and construction corrections in case of poorly designed and/or constructed existing facilities

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Erosion and Sediment Control

Erosion and Sediment Control is the practice of preventing stormwater contamination by sediment through controlling the amount of exposed soil during construction.
Our professional engineers at ITMBC , as certified engineers and members of the ESCAC and ESCA-BC Associations, are proud to provide engineering services to create a sustainable and green environment and protect the public interest.
ITMBC offers the following services instructed through the by-laws issued by the Municipalities:

a) Protect natural vegetation and trees
b) Design silt plan and soil stabilization
c) Design sediment discharge limit as specified under the City sediment control policy
d) Control de-watering, in case of muddy or contaminated de-watering water
e) Locate any existing drainage infrastructure and propose measures to protect it in order to stabilize channels and outlets and install catch basin filters according to Best Management Practices
f) Propose access locations to the property and protect the access location from erosion
g) Provide pond deactivation methodology (if required)
h) Provide wheel wash facilities (if required)
i) Propose ESC facilities, to be implemented on site, which shall include source controls as the primary method of erosion and sediment control following the City control pollutants policy
j) Provide alternative Best Management Practices (BMPs) for difficult sites where most standard BMPs may not provide the protection required
k) Propose methods to restore disturbed areas following the completion of construction
l) Provide ESC Supervisor monitoring, inspecting, and reporting program, in accordance to the City's policy
m) Provide a detailed cost estimate for the installation, maintenance, and removal of the ESC Facilities.



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