

ITMBC



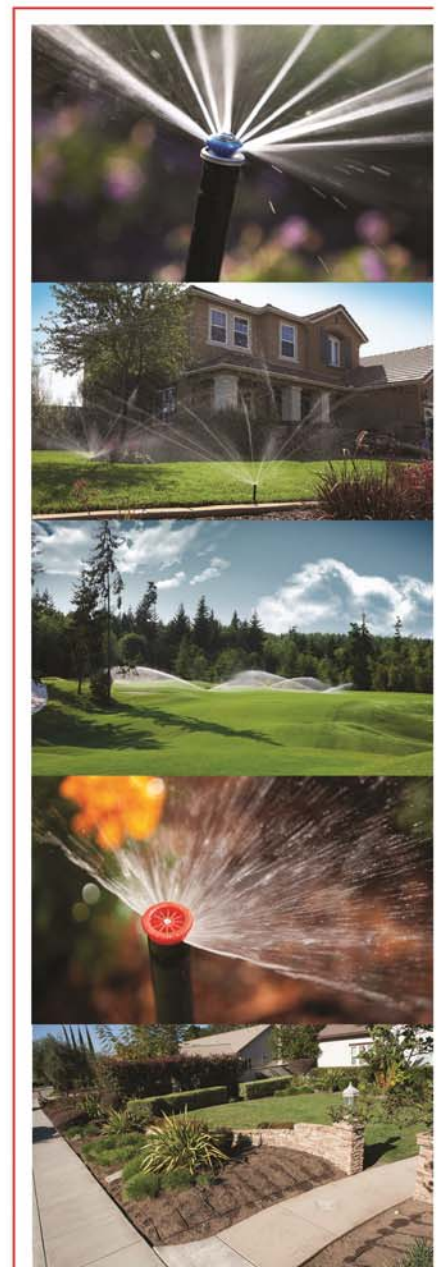
Enterprises Inc.

Innovative Technology & Material



Modern Irrigation Systems for Landscape

Design
Scheduling
Contracting



Our Manifesto

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

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/Hydrrotechnical Engineering



Photos: Hunterindustries.com

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 to demonstrate the capabilities of ITMBC in providing professional services in Modern Irrigation Systems for residential and commercial projects. As a member of Irrigation Association of British Columbia (IIABC), we are very excited about being able to play a positive role in conservation of water resources in our community. Our professionals are proudly qualified under several disciplines in IIABC:

- Certified Irrigation Designer (CID) – Turf Residential
- Certified Irrigation Designer (CID) – Turf Commercial
- Certified Irrigation Scheduler (CIS)
- Certified Irrigation Contractor Gold Seal (CIC-GS) – Turf Resident
- Certified Irrigation Technician (CIT-1, CIT-2)



Irrigation Design

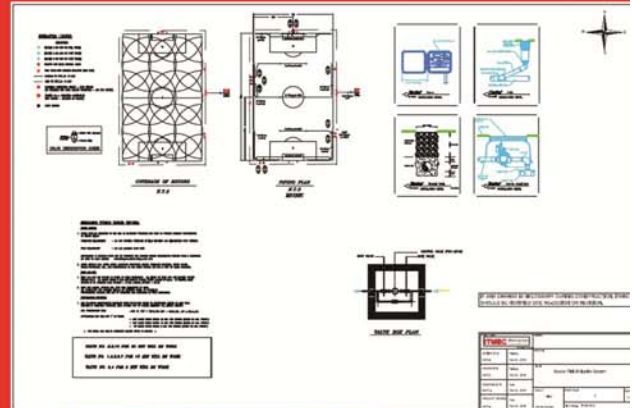
In Vancouver we are surrounded by natural waterways, creeks, lakes, rivers, and thankfully often experience mild, wet winters. It is easy to forget that the best quality treated drinking water is a precious resource that can become limited during dry, hot summers. According to Greater Vancouver Water District (GVWD) reports, the average daily water consumption in Greater Vancouver is almost one billion liter during the low-seasons, but it grows by 50% in high-seasons, which is a direct consequence of landscapes irrigation in summers.

In ITMBC, we believe that by implementing a SMART & Technical irrigation system, we achieve the following results:

- Enjoying a beautiful green landscape hassle free of a manual irrigation and too much waste of water
- Coping with irrigation hours restrictions that Municipalities/Cities consider in the summer
- Living environment friendly by minimizing the consumption of drinking water per capita, and keeping up with urban authorities and communities to prepare for future population growth and global warming problems
- Saving on water consumption costs and fertilizers and nutrients

Our Certified Irrigation Designers are experienced and equipped with the latest CAD software, and prepare your irrigation system design in the best way. We consider following topics in our design package:

- Weather and climate
- Water requirement
- Plant and Soil
- Irrigation Layout
- Hydraulic design
- Material and instruments selection
- Bill of material and bid documents
- Operation and maintenance



Photos: Hunterindustries.com

Irrigation Scheduling

The main goal of Irrigation Scheduling is water saving by preventing overwatering due to timing and poor uniformity. We may have a very good designed and implemented irrigation system, but waste too much water. For such a situation, all we need to have an ideal system is scheduling and management. Even in a bad shape system, proper scheduling can help to save water.

Irrigation scheduling is very important, although we may think that we don't have any water shortage in Vancouver, BC, as we really have. The below mentioned reasons force us to care about our water resources:

- There are many environmental concerns about over-watering both in quality & quantity aspects
- From horticultural perspective, over watering is not healthy for landscape
- With over watering, we cause the fertilizers and pesticides run-off or deep percolation
- Many municipal water networks and reservoirs were not designed for the summer peak flow and high rate of population growth



In ITMBC, our Certified Irrigation Schedulers (CIS) use the best tools, technology and knowledge to prepare the Irrigation Schedule in the most efficient, and cost effective manner as possible to the benefit of the clients. In irrigation scheduling, we normally do all or some of the following tasks:

- Inspection of system for needed repairs
- Analyzing the soil and plants
- Performing a catch can test to evaluate the system uniformity
- Calculating the uniformity and precipitation/application rate
- Developing and irrigation schedule
- Implementing and monitoring the schedule
- Recommendations to improve the system



Photos: Hunterindustries.com

Irrigation Contracting

The last physical step for having an advanced irrigation system is construction based on the design which is presented by Certified Irrigation Designer (CID), and available standards developed by IIABC.

ITMBC is a Certified Irrigation Contractor with Gold Seal (CIC – GS) – Turf residential in IIABC. We have Certified Irrigation Technicians (CIT) in our team, and they install your irrigation system under supervision and liability of the professionals with many years of experience in this field. Our company is covered by enough liability insurance and all our activities are under professional safety and quality assurance.



Photos: Hunterindustries.com



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