



**Steve Schaefer, P. Eng.**  
**Principal**  
**SCS Consulting Group**

## **Introduction**

Steve is a founding partner of SCS Consulting Group. He has over 23 years of experience and has been responsible for management and technical execution of engineering projects from the initial planning stages through to construction. His strong background in municipal design, water resources, and project management allow for a seamless approach to his projects from start to finish.

He has recently led design teams responsible for municipal design of many large residential, industrial, commercial, office and high/low rise condominium developments throughout the GTA. Steve also specializes in providing engineering services (such as cost sharing and project management) to several large development groups. Steve's experience includes provision of expert witness services at the Ontario Municipal Board.

Steve brings a very practical approach to all of his projects, which result in a feasible, cost efficient and easily implementable design and construction program.

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## **Education**

Ryerson University, Toronto, B.Eng., Civil Engineering, 1989

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## **Professional Affiliations**

Professional Engineer, Association of Professional Engineers of Ontario, 1992

Consulting Engineer, Association of Professional Engineers of Ontario, 1999

Member, Ontario Society of Professional Engineers

Member, BILD

Member, Whitchurch-Stouffville Chamber of Commerce

Member, Markham Board of Trade

Member, International Erosion Control Association



## Past Project Experience

### Big Bay Point – 2000 Unit, Marina and Golf Course Resort, Town of Innisfil

- ➔ Steve provided engineering input to the creation of the Resort Concept Plan and managed the engineering studies through the planning process
- ➔ The Stormwater system was designed to include an extensive treatment train of Low Impact Development practices to minimize the Phosphorous impacts on Lake Simcoe
- ➔ The storm servicing solution required to service the 4km of new shoreline, which was essentially at a constant elevation, included an innovative series of gravity and pumped systems with on-line storage to minimize the pumping costs.
- ➔ The project included a comprehensive and multi-disciplinary approach to satisfy the extremely onerous conditions imposed by the agencies through the OMB to ensure no environmental impacts to the lake or surrounding areas occur.

### Times Group – Markham Centre – Master Servicing Plan and Detailed Design, Town of Markham

- ➔ Steve coordinated a multi-disciplinary team to complete a Master Environmental Servicing Plan to support this 4500 unit high rise residential and mixed use (office, commercial, parks) project, proposed to meet LEED Gold standards.
- ➔ Provision of expert witness services at the Ontario Municipal Board.
- ➔ Managed the engineering design of the site services, including use of “green” technologies including green roofs, infiltration galleries, rainwater cisterns for irrigation, and oil-grit separators
- ➔ Managed the implementation of a \$7M external sanitary trunk sewer and input to the Class EA for two bridge crossings of the Rouge River.

### Box Grove Community – Master Servicing Plan and Cost Sharing, Town of Markham

- ➔ Managed the engineering studies through the planning process including preparation of the Master servicing and Environmental Master Drainage Plan studies for this 315 ha area. Acted as the Group Engineer for the Developer’s Group. Steve managed the detailed design of several subdivisions as well as a Regional By-Pass road.

### Ballantrae Golf and Country Club – 900 Lot Lifestyle Community, Ballantrae

- ➔ Responsible for coordinating the engineering support for this lifestyle community and golf course from the initial planning stages to detailed design and construction. The site is located on the Oak Ridges Moraine. To mitigate the environmental impact in this sensitive area, the stormwater management design incorporated a “zero” run-off solution, with the water either being used for golf course irrigation or infiltrated to the ground. The subdivision design included alternate development standards for all roads and services.

### Aurora 2C Secondary Plan and Subdivisions – Master Servicing and SWM Plan, and Design of three subdivisions, Town of Aurora

- ➔ Managed the engineering studies through the planning process for this 566 acre, 3000 lot residential subdivision area.
- ➔ Provided Group Engineering services including provision of cost sharing assistance
- ➔ Managed the design of three residential subdivisions, including creek crossings and SWM facilities.

