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Skills

2



Innovation

3



Solutions



C.C. Tatham & Associates Ltd.
Consulting Engineers

Trusted advisors for over 20 years.

C.C. Tatham & Associates Ltd.

CCTA is a Canadian, employee-owned engineering consulting firm. Headquartered in Collingwood, with branch offices in Bracebridge, Barrie and Orillia, CCTA has a solid team of over 75 permanent employees including 20 professional engineers and 15 certified engineering technologists. We pride ourselves in being both innovative and thorough, and on providing a very high level of quality and service to our clients. Our experience and range of services are key factors in our solid track record of successful projects and satisfied clients.

Front Cover

Photograph 1

Reconstruction of Muskoka Road 50 in the Town of Bracebridge to improve the road's horizontal and vertical alignment and level of safety through rugged terrain, in consideration of pedestrian, cyclist, automobile and truck traffic.

Photograph 2

Water Supply Master Plan, alternative source evaluations, treatability studies, 11,543 m³/day high rate direct filtration water treatment plant incorporating taste and odour control, 8,700 m³ reservoir, 42 km of water distribution system, plus subsequent upgrading to a capacity of 25,800 m³/day at Alcona in the Town of Innisfil.

Photograph 3

Assessment of an aged sanitary sewage collection network, prioritization of renewal works, detailed design and supervision of construction of a four phase sanitary sewer renewal program in the Town of Collingwood.

Photograph 4

Preparation and implementation of a Master Servicing Plan for the Muskoka Wharf Development, Town of Gravenhurst, a multi-use waterfront development including over 30,000 m² of public and private floor space, condominiums, hotel, and sport fields. Shallow bedrock, coupled with poor soil conditions created challenges.

Photograph 5

Preparation and implementation of a Master Servicing Plan for the internationally regarded Intrawest Village at Blue Mountain Resort 1,200 hotel/condo units with 10,000 m² of commercial floor space.

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Photograph 6 & 7

One of the most comprehensive septic re-inspection programs in Ontario, involving the inspection of over 7,000 residential on-site sewage systems in the Township of Tiny.





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Excellence
Clear Thinking

9

Results
Devoted
Quality



Independently Owned

Many consulting engineering firms in Ontario have been bought and/or acquired by a small number of huge, multi-national corporations. Not us! CCTA is a strong, healthy, autonomous, employee-owned practice. Our marching orders and key decisions don't originate in a head office two or three time zones away.

Extensive Range of Services

Our broad range of clients value CCTA's reliability, enthusiasm, and professional judgment. Together we derive innovative, cost-effective solutions to challenging problems. We work continuously and conscientiously at maintaining solid professional relationships with businesses, communities, and government agencies. This enhances our ability to work across our key areas of expertise:

*Municipal/Environmental
Engineering*

*Land Development
Engineering*

Water Resources Engineering

Transportation Engineering

Structural Engineering

*Engineering Analyses,
Reports, and Expert Advice*

Project Management

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Photograph 8

A gravity, load-bearing steel frame with reinforced concrete elevator/stairwell cores to resist the lateral loads were designed in this 32,000 ft.² office building in Collingwood.

Photograph 9

Upflow clarifiers and down-flow multi-media gravity filters at the Innisfil Lakeshore Water Treatment Plant.

*Suzanne Troxler, B.Eng., M.Sc., P.Eng.,
Manager - Environmental Engineering*

Model Citizens

Our employees live, work, and play within a stone's throw of the clients and markets we serve. We are active participants in community life, and generous supporters of local key institutions including hospitals, recreation complexes, animal shelters, libraries, and organized sports for young people. We have a vested and personal interest in making each of our projects a success.

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Photograph 10

Retained by the Pattison Sign Group to provide project management services for the renovations of its main headquarters in Scarborough, the project involved demolition of 50,000 ft.² of existing production facility to "Greenfield" status, severance and then redevelopment of a southern portion of the property, while upgrading the remaining 10,000 ft.² of a production facility for a new office and warehouse.

Photograph 11

An ancient sanitary sewage collection system serving the oldest sections of Collingwood created all sorts of problems over the years, from sewage backups to excessive infiltration and extraneous flows. CCTA explored the labyrinth and devised a multi-year program of upgrades and replacements to approximately 8.5 km of aging sewers and service connections.

Photograph 12

Lagoon City, situated on the east shore of Lake Simcoe, features beautiful homes fronting on an interior network of canals, connected to Lake Simcoe. Adding to the uniqueness are two wooden suspension bridges constructed about 20 years ago. CCTA undertook a detailed structural analysis and condition survey, which generated recommendations for immediate and long-term repair/replacement solutions.

Photograph 13

The community of Brechin was faced with constraints to growth arising from outdated individual sewage disposal systems, and the attendant potential for environmental degradation. The Township of Ramara retained CCTA to undertake a comprehensive Master Servicing Plan under the approved planning process set out in the Province's Municipal Class EA. Construction of this \$8.5 Million project was completed in August, 2008.

Back Cover

Photograph 14

CCTA provided structural design services for the spa complex, a campus of one and two story wood and timber framed buildings at Le Scandinave Spa near Blue Mountain Resort.

Photograph 15

Detailed design, tender documents and construction inspection services were provided for improvements to Bayview Avenue in the City of Barrie including widening the road from a two-lane rural cross-section to a seven-lane urban cross-section incorporating related infrastructure.

Photograph 16

A Schedule 'C' Class EA Planning Study was undertaken to identify an appropriate road improvement strategy, to address pavement deterioration, sub-standard horizontal and vertical geometry with limited sight lines, and safety issues, on Muskoka Road 50 in the District of Muskoka.

Photograph 17

A broad range of surface water management issues were addressed in designing an innovative drainage and water collection system that captures excess ditch and creek flows along with on-site surface water runoff, and stores it on-site for irrigation during the golf season, at this 18-hole golf course near Collingwood. The solution meets not only the needs of the golf course for irrigation supply and water conservation, but also provides the necessary stormwater management controls for the development through an aesthetically pleasing system of interconnecting ponds.

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Dedicated
Focused
Ethical
Practical
Environmentally
Responsible



Dan Hurley, B.A.Sc., P.Eng
Vice President, Manager -
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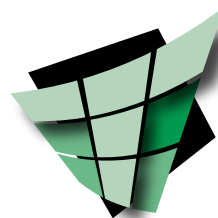
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