

Raymond A. Barker WTP Expansion – Contract 2

FEATURE PROJECT

The Town of Collingwood has awarded Kenaidan the contract to expand their water treatment facility which will significantly increase the water supply for both Collingwood and the Town of New Tecumseth. This major project will almost double the plant's capacity from 31 ML/day to 59 ML/day, supporting the future growth of both communities.

Drawing water from Nottawasaga Bay, the facility will feature state-of-the-art infrastructure, including a new membrane and UV disinfection building, expanded high-lift pumping facilities, and climate mitigation measures such as site and shoreline improvements. It will also be equipped with advanced systems like low and industrial lift pumps, membrane and UV equipment, a residual treatment system, and standby power systems. The existing water treatment plant will be retrofitted with upgraded administration spaces, additional chlorine storage, enhanced high-lift pumps, and a new chlorine contact tank.

"We are very excited to be proceeding with the expansion of the Raymond A. Barker WTP. This will be a landmark facility for the Town of Collingwood and a key piece of infrastructure for the supply of water to both Collingwood and the Town of New Tecumseth allowing for growth and development in both communities", said Ken Kaden, Project Manager, Environmental Services at the Town of Collingwood. "This is the largest infrastructure project Collingwood has had to date. We are looking forward to continuing to grow the positive working relationship we have with Kenaidan as construction moves forward."

The project will be completed in three major phases. Milestone 1, scheduled for completion by summer 2029, includes shoreline remediation, demolition of the current industrial pumping station and raw water building, installation of a temporary industrial pumping station, construction of a new membrane plant, modifications to the intake valve chamber, a temporary frazil ice system, and yard piping and electrical relocations.

Milestones 2 and 3, to be completed in spring 2031, will involve modifications to the raw water



system, decommissioning of the temporary industrial pump station, relocating equipment from the existing membrane plant to the new one, repurposing the existing facility, and completing landscaping, paving, and sidewalks.

To date, we have completed most of the shoreline remediation and started pre-demolition activities, installing secant piles around the new intake chamber for the temporary industrial pumping station, excavation within the secant walls, and relocating the 250 mm ductile iron residual outfall

south. After that is complete, we will proceed with shoring works for the intake including measures to prevent frazil ice build-up.

Once completed, the facility will also provide public amenities including a plaza, washrooms, and displays celebrating the history and art of the Saugeen Ojibway Nation.

Construction began in July 2024, with completion expected by spring 2031. This project will ensure a sustainable water supply and offer valuable community resources for years.

Key Challenges

- Maintaining operations of the existing plant throughout the project
- Managing high groundwater just 1.5-2 m below grade
- Deep excavations approx. 10-12 m into rock
- Minimizing impacts to the adjacent residential neighbourhood
- Working with and disposal of any contaminated materials

Roles & Responsibilities

Owner: The Corporation of the Town of Collingwood
Consultant: Sahely Water Engineering Ltd. (SWEL), AECOM Canada Ltd. and Ainley Group
Concrete and Formwork: Kenaidan Contracting Ltd.
Mechanical: Kenaidan Contracting Ltd.
Shoreline Remediation: Cambridge Landscaping & Construction Ltd.
Demolition and Hazardous Materials: QM Environmental Inc.

Earthworks and Yard Piping: Ambler & Co. Inc.
Rebar: Salit Steel
HVAC: Black & McDonald Limited
Building Automation System and HVAC Equipment Supply: HTS Engineering Ltd.
Electrical, Instrumentation, Controls and Structural Cabling: Lexasan Electrical Inc.
Rock Anchors and Drilled Caissons: Green Infrastructure Partners Inc.

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FEATURE PROJECT



Construction began in November 2023 and is projected to be substantially completed by January 2026. Once completed, the project will create a fully accessible, safe, and efficient pedestrian connection, significantly improving the transit experience for passengers using GO Transit, UP Express, and TTC services.

Key Challenges

- Coordination with multiple stakeholders (Metrolinx, TTC, Crossways Building Management, CN, CP and Bell)
- Maintaining operations of live Metrolinx and TTC tracks and stations
- Ensuring minimal impact on the residences and businesses at The Crossways Complex and local streets
- Keeping fibre and other utilities in service at all times

Roles & Responsibilities

Owner: Metrolinx
Consultant: 4TRANSIT
Demolition: DNN Contracting Inc.
Excavation and Backfill: H & S Heavy Equipment
Concrete and Formwork: Kenaidan Contracting Ltd.
Mechanical: Kenaidan Contracting Ltd.
Railway Works: A & B Rail Services Ltd.
Shoring / Caissons/ Micropiles: HC Matcon Inc.
Elevator Shoring and Jet Grouting: Keller Foundations Ltd.
Elevator: KONE Inc.
Electrical: Montana Electrical Contractors Ltd.
Reinforcing Steel: Salit Steel
Site Services: Kings Cross Contracting Limited
Environmental Monitoring: Envision Consultant Ltd.

To improve station accessibility on GO Transit's Kitchener Line, Metrolinx is constructing an accessible underground pedestrian tunnel extension (The Box structure) that will connect Bloor GO/UP Station with the Dundas West TTC Station. It is estimated that 600 transfers occur between the two stations daily, a number projected to grow to 1,600 by 2041.

Kenaidan's contract involves building a 270-metre tunnel extension on the south side of the existing Bloor GO Station to link the two stations. The project also includes creating a new TTC concourse level on the P2 level of The Crossways building's parking structure, with elevator and stair access to the Dundas West TTC platform level. Two elevators and a stairwell will be installed, connecting the existing Bloor GO/UP tunnel to the new TTC concourse level. Work also includes constructing new electrical, mechanical and telecommunication rooms with upgraded emergency backup and life-safety systems.

installing the lift stations, two sanitary discharge pumps, and three stormwater pumps within the pedestrian tunnel. Work is also being done to improve drainage and water supply systems in the Crossway building.

To date, the drilling of the secant wall has been completed, and we are now beginning the jet grouting scope for the shoring wall for the pedestrian box structure. Stair access has been opened from The Crossway to the westbound and eastbound platforms of Dundas West TTC Station, and CN and Bell 360 lines have been relocated to enable secant wall construction.

"We've had the pleasure of working with Kenaidan on several GO Expansion projects, including the recent accessibility upgrades at the Eglinton GO Station", said Yovanny Cardenas, Project Manager at Metrolinx. "We're excited to continue working with them on the Bloor-TTC Connection, a project that will create a direct, safer connection for passengers transferring between GO Transit, UP Express and TTC services."

Kenaidan is self-performing approximately 1,800 m² of formwork and 750 m³ of concrete placement for the pedestrian tunnel, stairs, elevator shafts, lift station, and mechanical rooms within the Bloor GO Station. At the newly created TTC concourse level, Kenaidan is handling about 1,000 m² of formwork and pouring 500 m³ of concrete for the two elevator shafts and stairways.

Kenaidan is also self-performing various mechanical portion of the project, which includes

Jeff Cressman Retires



After an illustrious 39-year career with Kenaidan, Jeff Cressman has decided to retire. Jeff began his journey in 1979 after completing the Civil Engineering Technology program at Ryerson University (now the Toronto Metropolitan University). He joined Kenaidan in 1985, and throughout his career, he developed extensive expertise in civil construction, particularly in heavy civil concrete structures, excavation, roadwork, and underground structures. Jeff's first project, the Manulife Centre Garage, set the foundation for a legacy of successful projects.

As a Project Superintendent, Jeff's construction knowledge and leadership were pivotal to the success of numerous projects, including the TTC Spadina Bloor Loop, the Eglinton Crosstown LRT West Launch Area, the Ashbridges Bay Digesters 13 and 16, and

most recently, the Baycrest Hospital projects. His work also took him beyond Ontario to the George Massey Tunnel and the Annacis Island projects in British Columbia and to New York for the Lake Placid Bobsled and Luge project.

Jeff was known for his unwavering commitment to seeing projects through, his calm demeanour, and his resilience in challenging situations. In 1986, he was honoured as the inaugural recipient of Kenaidan's Giuseppe Cavalieri Safety Award, celebrating his outstanding commitment to safety. Jeff collaborated closely with many Team Kenaidan members over the years and will be greatly missed.

Jeff, as you step into a well-deserved retirement, we extend our heartfelt gratitude for your dedication and lasting contributions. Your friends at Team Kenaidan wish you all the best for a fulfilling and joyful retirement.



Mental Illness Awareness

SAFETY CORNER

October 6th marked the beginning of Mental Illness Awareness Week. Mental illnesses, also called mental health conditions or mental disorders, are diagnosable conditions that can affect millions of people, impacting their thoughts, feelings, and behaviours. Conditions such as anxiety, depression, bipolar disorder, and schizophrenia can create significant challenges, but with awareness and support, individuals can lead fulfilling lives.

Nearly 1 in 5 adults experience mental illness in any given year. However, the stigma surrounding mental health issues often prevents people from seeking help. It's important to remember that mental health is just as important as physical health. Raising awareness and fostering a supportive environment can create a safer, healthier workplace for everyone. Remember, it's okay to ask for help, and it's essential to support one another.

In taking action to recognize Mental Illness Awareness Week and start the conversation, Kenaidan organized safety talks at our head office and all of our project sites in Ontario and British Columbia. Supporting mental health involves discovering coping strategies that work for you, one of them being journaling. Kenaidan provided employees with journals to encourage this practice and support their mental well-being.

Taking the first steps toward seeking help can be challenging but knowing where to look for help is a good start – if you or someone you know is struggling with mental health conditions, please reach out for help!



Maple GO Station Bridge Installation

POINT OF INTEREST

In late October, Kenaidan installed the bridge over Major MacKenzie Drive in Vaughan, enhancing infrastructure at the Maple GO Station. This upgrade supports future double-tracking and electrification of the Barrie Line under Metrolinx's GO Expansion, enabling more frequent and reliable transit for the growing community.



Recently Awarded



The Kenaidan Murphy Joint Venture has recently been awarded the **Oakville GO Station Renovation Project**, a key initiative within Metrolinx's GO Expansion program. This project aims to enhance the commuter experience and improve transit infrastructure, supporting increased service capacity across the GO Transit network.

The renovation will include upgrades to station facilities, platforms, and accessibility features, ensuring a modern and efficient transit hub for Oakville residents and the surrounding communities.

Recently Completed



GTAA – Infield Concourse Restoration and Reactivation (CMAR)

Kenaidan provided Construction Manager at Risk services for this terminal upgrade project. The Infield Concourse (IFC) restoration and reactivation included architectural upgrades, reopening six gates, and enhancing passenger experience for domestic and international flights. Capacity was increased to 11 operational gates, with five new boarding bridges added. Closed IFC areas were restored, and security and IT systems were modernized.

Occupancy Granted



Trillium Health Partners M-Site Parking Garage at the Mississauga Hospital

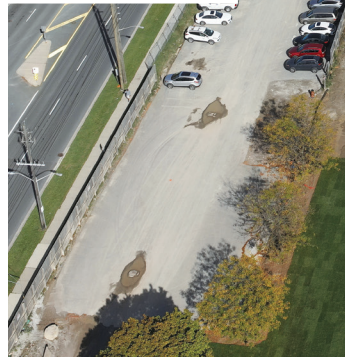
Kenaidan acted as Construction Manager for Phase 1 of an expansion involving a new 8-level parking structure. Our services included constructibility reviews and input on design, budgeting, scheduling, and early works including fire route realignment, demolition, and utility relocations. Work included a cast-in-place foundation, pedestrian bridge prep, roadwork, fibre optic relocation, underground services, four elevators, and communication hubs. Unique to this project is a two lane truck tunnel below the parking garage that provides connectivity to a future hospital tower. The design of the structure makes allowances for future expansion of the garage.

Nearing Completion



Richview Pumping Station and Reservoir

Kenaidan's work at the Richview Reservoir includes replacing outdated mechanical equipment, installing a buried valve chamber, and upgrading valves and process equipment. We are also building a standby power facility with natural gas generators, catalytic reduction, and radiator units, integrating all systems.

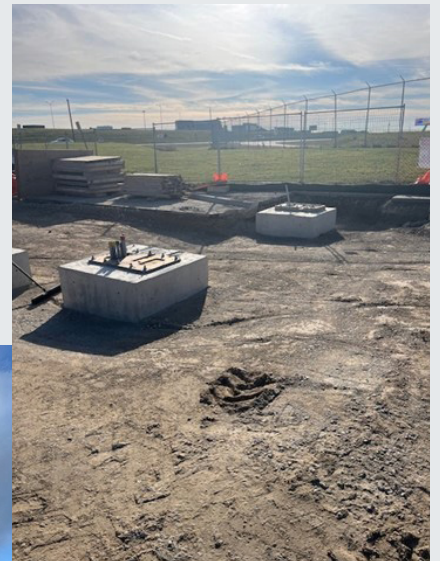


Recently Mobilized



GTAA - AESC Airside Access for Airfield Electrical Shop

Kenaidan has started work on the GTAA's Airside Access project for the AESC Airfield Electrical Shop, providing direct airside access to improve response times. The project includes upgrading Gate 401A to a secure, automated gate with CCTV, RAIC access, intercom, and vehicle detection, boosting safety and operational efficiency.



Projects Underway



Ashbridges Bay Treatment Plant - TWAS Project

After three years of preparation, the structural demolition of the Waste Heat Recovery and Incinerator building is underway. Our team has completed key tasks, including building a new freight elevator, relocating services, selective demolition, substance abatement, and installing a 14,000 sq. ft. hoarding system. On October 2nd, 2024, York-1 Demolition began using a 75T excavator with a 118-ft reach. Demolition will finish by January 2025, clearing the way for the new Thickened Waste Activated Sludge Facility.



Fleetwood Reservoir Phase 1

Pipes have been installed and pressure-tested at the Fleetwood Reservoir as part of its testing and commissioning processes.



Lower Don Enabling Works Package 3 - Early Works

A new Ontario Line bridge is being built north of the existing Lower Don Bridge to accommodate two-way train tracks. The project involves constructing the bridge over the Don Valley Parkway and Don River, shifting GO tracks to support Ontario Line infrastructure, modifying the existing bridge for future adjustments, and relocating utilities and rail signals. This summer, Kenaidan completed the East Abutment and is now working on the West Abutment.

Feature Crews



Pitt Meadows Crew in British Columbia

Our crew at the Pitt Meadows Autonomous RCMP Detachment Building and Harris Park Washroom Building.

Left to Right: Dmytro Luzhanskyi, Brody Quirk, Joshua Allan, Omar El-Bettar



Halton Regional Biosolids Management

Kenaidan is upgrading the W.A. Bill Johnson Biosolids Management Centre with a new sludge feed system, including pumps, grinders, and a centrifuge with related structural and process components. The project also features a conveyor network for sludge cake transport, a liquid polymer system, and modifications to polymer, water supply, and centrate discharge systems.

Left to right: Christian Grottenhuis, Kaleb Burns, Robert Conlan



Bloor GO Station (TTC Connection)

Left to Right: Norm Crawford, David Murray, Michael Healy, Carlo Lioni, Tejas Patel, Ross Davids, Nick Cacciaccaro, Olivia Kielb, Komalpreet Thind, Zachary Merius, Yoshi Shrestha

Kenaidan's 50th Anniversary

OUR MESSAGE



John Goffredo, President

As Kenaidan's 50th year anniversary comes to a close, I want to take a moment to reflect on the incredible journey our company has taken since 1974. From humble beginnings to becoming a leader in Canada's construction industry, our success is built on a foundation of trust, hard work, and the unwavering dedication of our team members, clients, and partners. This milestone is a tribute to every individual who has been part of the Kenaidan family over the years.

Kenaidan has always embraced challenges and technological advancements, continually striving to exceed expectations in quality, safety, and environmental responsibility. Our legacy extends beyond the physical structures we've built; it lives on in the relationships we've cultivated and the communities we've supported. This year, we have honoured those relationships and the innovation that has allowed us to evolve.

As we look to the next 50 years, we remain committed to our core values that brought us this far: integrity, Care Enough to Act (CETA), operational excellence, and a positive work environment. Thank you to everyone who has contributed to Kenaidan's journey. We eagerly look forward to building an even brighter future together.



Team Kenaidan came together in both British Columbia and Ontario to celebrate our 50th anniversary, with both evenings featuring heartfelt speeches from John Goffredo, Kenaidan's President, and Aidan Flatley, Founder and Chairman Emeritus.



A particularly memorable moment was when Aidan was presented with a meaningful gift – a painting by Andrew Cheddie Sookrah, inspired by an old photo of Ken and Aidan standing in front of Kenaidan's first trucks.

Our Company, Our People

ROAMING PHOTOGRAPHER



Men's Longest Drive:
Andrew Langton



Men's Closest to the Pin:
Drew Murray



Pitt Meadows Autonomous RCMP Detachment Building

The structural steel, metal deck, and stair installation for the civic building are complete, with intumescent paint priming underway. Rough-in and slab-on-grade damp proofing are finished, and concrete for the slab-on-grade and stair topping has been poured. Roofing and steel priming are in progress.



Ladies' Longest Drive:
Deborah Filippie



Ladies' Closest to the Pin:
Rida Abdullah



On September 7th, we enjoyed a fantastic evening celebrating Kenaidan's 50th anniversary with our BC team. The event was filled with delicious food, laughter, and great company as the team and their guests came together for a memorable night.



Winning Team:

Jakub Schabowski, Drew Allin, Chuck Lutz

Kenaidan Golf Tournament

On September 14th, the Kenaidan Golf Tournament brought together 64 participants at the Angus Glen Golf Club. It was a fantastic day filled with friendly competition across the 18-hole course. Congratulations to our winners!



On November 9th, we gathered with our Ontario team to celebrate Kenaidan's 50th anniversary, and it was an unforgettable evening! With 430 guests, the atmosphere was lively from the very start. The night kicked off with a jazz trio creating a relaxed vibe during cocktails, followed by a delicious dinner and dancing that carried the celebration into the night.

Congratulations To

- Dareen Issa on her promotion to Senior Project Scheduler
- Derek Beharry on his promotion to Director, Environmental and Quality Services
- Mahyar Kheiri on his promotion to Site Supervisor
- Larry Dorman on his promotion to Mechanical Operations Manager
- Mohammed Mohammed on his promotion to Site Supervisor
- Johnson Kusi-Appiah on his promotion to Environmental, Health & Safety Advisor
- Nilush Abeygoonaratne on his promotion to Site Supervisor
- Kriselle Pereira on her promotion to Health, Safety & Environmental Manager

Kenaidan Welcomes

- Tejinderpal Singh, IT Analyst
- Anas Mohammad, Shop Administrator
- Ayda Yazdanshenas, BIM/VDC Coordinator
- Luiz Meireles, Project Scheduler
- Erfan Esmaeelbeigi, Project Scheduler

Corporate Sponsorships

- Kenaidan recently sponsored:
- Northern Saints Gold Hockey Team
 - Ancaster Blitz Boys Basketball
 - Markham Majors AAA Hockey Team
 - Georgetown Mustangs Boys U9 Soccer Team
 - TNT Tornados Hockey Team
 - Faustina Fury Sports Club

Corporate Donations

- Kenaidan recently made donations in support of:
- Alzheimers Society of Toronto
 - Pancreatic Cancer Canada

Charitable Matching Program

- Kenaidan has recently matched employee donations to the following charities:
- Trillium Hospital
 - Scott Mission

Contributing Editors: Herman Reinders, Brian Atkinson, Yoshi Shrestha, Kriselle Pereira, Christine Bonner, John Goffredo, Marisa Nardini, Julie Dorie



Kenaidan's Mission Statement:

- To provide responsible, quality construction services utilizing superior innovation and expertise.
- To develop and maintain long-term relationships with satisfied clients and suppliers.
- To create a safe, challenging and enjoyable work environment where employees share in corporate growth and success.
- To build on a sound financial base where future development is promoted over short-term gain.



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