Thomas Yates

E: tom.yates100@gmail.com

Project Coordinator

T: (613) 581 9630

A personable and accomplished Field Engineer with a proven 5-year track record in effectively managing infrastructure projects. Educated with a diploma in construction management, I commenced professional journey as a Management Trainee with one of the UK's largest residential construction firms, progressing to the role of Assistant Engineer. My career is distinguished by delivery of multiple development and infrastructure projects up to \$80M. Recently relocated to Ontario working for one of the largest geotechnical contractors as a Field Engineer.

Work Experience

Field Engineer

Ottawa, ON

Keller Foundations Ltd, Toronto, ON June

Pape Station - Diaphragm Wall, East York, Toronto - \$42M

Installation of three, 52m deep shafts for the Ontario Line project. Duties included:

- Scheduling
- Cost Management
- Material Management
- Site Liaison with client and stakeholders
- QA/QC of excavation and pouring panels

Assistant Engineer

Taylor Wimpey, Manchester, UK July 2021 – April 2024

Housing developer delivering over 10,000 homes per year across the UK. Revenues of 3,514.5m (2023).

- Design Coordination and Management
- Site Team Support
- Health and Safety Compliance
- Quality Assurance

- Technical Documentation
- New Site Due Diligence
- Tender Preparation
- Budgeting and Cost Management

Millstream Meadows, Cheshire, UK - Residential Development - \$80M

- An ongoing development project of 390 units, a mixture of 2 story units ranging from 430 to 1389 sq ft. Collaborating with a diverse team of engineering and environmental consultants. My responsibilities included coordinating engineering designs and managing the construction of infrastructure, including roads, sewers, utilities, and foundations. Notably. This project required the installation of large-diameter surface water pipes and attenuation storage tanks to address an extensive catchment area created by nearby overland flows. Additionally, due to the site's flat topography, the project included the construction of a sewage pumping station and the establishment of a deep gravity network connecting to the wet well. It also involved rerouting existing utilities and implementing rigorous safety measures to protect essential assets such as overhead, underground HV electric cables and private chemical pipelines.
- Due to subsistence risks on site, specialist reinforced raft solutions were required to be procured and approved by the Brine Board, this included multiple rounds of redesign and negotiation.
- Managing a phased diversion of critical HV overhead cables supplying nearby homes .

Pennington Wharf Phase 6, Manchester, UK – Mixed Use - \$10M

- Mixed-use development project that included low-rise 2-story residential units (818-153 sq ft) and a 4-story apartment block (2-bedroom units from 565-716 sq ft) with a commercial unit on the ground floor (1830 sq ft). Responsible for the procurement, selection, and management of a team of multidisciplinary consultants tasked with preparing engineering designs for roads, sewers, foundations, and the apartment building's superstructure along with providing technical support to the production team.
- The development underwent an initial appraisal in 2018 but was considered unviable and subsequently put on hold by a previous team. In 2020 I conducted a thorough reassessment and proposed the use of Vibro

June 2024 – Present

Oct 2022 – April 2024

May 2021 - April 2024

ded:

- Inspection and testing of support fluid and verticality/alignment of excavation
- Daily logging of work complete
- Problem solving and resolution

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Ottawa, ON

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stone columns, resulting in a significant cost savings of \$725k. Along with other cost savings this brought the margin up to 28% and the development was approved to commence in 2021 by the board.

Taylor Wimpey, Manchester, UK Technical Management Trainee May 2019 - Jul 2021

- In partnership with a highly skilled senior colleague, I confronted a wide range of complex engineering • challenges, affording me the opportunity to bolster my knowledge and expertise while providing valuable assistance.
- During my trainee program, I completed a comprehensive two-year curriculum tailored to equip me with • role-specific skills and enhance my competencies. This also included guarterly seminars concentrating on developing management skills.
- In response to the COVID-19 pandemic, Taylor Wimpey provided me with 3D printers to produce face • masks for health care providers, leveraging my expertise in this technology. Following the pandemic, the 3D printers provided were repurposed and used to create models to aid in the visualization of development projects. The technology allowed for a hands-on, visual aid assisting effective project assessment and planning.

The Orangery, Manchester, UK - Residential Development - \$60M

- Development of a former factory site consisting of a mixture of 2 story 350 homes (931-1259 sq ft). Working with a senior colleague, I was responsible for assisting with the procurement of engineering designs, remediation strategy and management of the remediation prior to development.
- Effective management during the remediation process allowed for the successful repurposing of concrete • underground structures as aggregates for working platforms reducing the cost of importing.

Mulberry Lane Phase 2, Middleton, UK - Residential Development - \$20M

- Greenfield development of 24 units ranging from 565-1153 sq ft. Part of a multi-phase local plan to meet • housing needs within the area.
- Working alongside a senior engineer, responsibilities included procurement of road and sewer designs • along with foundation details.

Education & Professional Development

•	HNC Construction, University of Salford, England	2019 -2021
	Internationally recognised by OACETT under the Dublin Accord.	
•	BTEC Level 3 Diploma in Engineering. Future Tech Studio School, England.	2015 - 2017
•	GCSEs: Maths, English, Science and Business. North Cestrian Grammar School, England.	2013 - 2015

Ontario Working From Heights Training Course - Valid until 2026

Internal Training Courses:

- Site Management HSE Update Training 2023
- **Environmental Management Training 2022** •
- British Heart Foundation Installation of Defibrillators and CPR Training.

Software & Skills: AutoCAD, Civil 3D, Microsoft Office, Coins, DocHosting

Hobbies & Interests: During my leisure time, I engage in activities such as rock climbing, mountain biking, and snowboarding. Additionally, I have a keen interest in 3D printing.

Jan 2020 - Jul 2021

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NHBC - Fundamentals of Foundations and

Groundworks