

Professional Engineer Designate – Engineer-in-Training

Department: Wastewater Services, Water and Waste Department

Designated Work Location: 1199 Pacific Avenue - Hybrid

Position Type: Permanent on a Temporary Basis, Full-time

Salary: \$2,471.91 to \$2,869.76 bi-weekly as per the Engineer in Training classification

Posting No: 125778

Closing Date: April 28, 2025

Providing a wide range of services to over half of all Manitobans, The City of Winnipeg is one of the largest employers in Manitoba. We provide a comprehensive range of benefits and career opportunities to our employees. These include competitive salaries, employer-paid benefits, dental and vision care, pension plans, and maternity/parental leave programs. Additionally, we offer education, training, and staff development opportunities to ensure that our employees are equipped with the necessary skills to advance in their careers.

Our Benefits web page provides detailed information about the benefits we offer, and we encourage you to visit it for further information at [City of Winnipeg Benefits](#). We take pride in fostering a [respectful](#), [diverse](#), safe, and healthy workplace where our employees can thrive and achieve their full potential.

Flexible work arrangements, which may include flexible hours, remote work, or a hybrid of remote work may be available; subject to review and approval. Please note that Employees who are approved to work remotely are responsible for and must demonstrate that they are available to return to their Designated Work Location and/or other work location to attend meetings or attend other tasks that occur in person.

The City is committed to attracting and retaining a diverse skilled workforce that is representative and reflective of the community we serve. Applications are encouraged from equity groups that have been and continue to be underrepresented at the City; Indigenous Peoples, Women, Racialized Peoples, Persons with Disabilities, 2SLGBTQQIA+ Peoples and Newcomers are encouraged to self-declare.

Requests for Reasonable Accommodation will be accepted during the hiring process.

Preference to internal applicants may be applied.

Job Profile

The Professional Engineer Designate – Engineer in Training (E.I.T.) will undertake a variety of engineering assignments for their respective Supervisor including: administering data collection programs; data analysis; preparing reports and presentations; field inspections, investigations, and surveys; wastewater/land drainage modeling, design, and operational cost estimates; GIS/data querying and responding to customer concerns and/or requests for information. The E.I.T. will rotate through Wastewater Services Divisions to develop a broad understanding of application of engineering skills and receive mentoring from a professional engineer. The duties and skills learned are intended to provide the E.I.T. with the work experience required for eligibility to register as a professional engineer.

As the *Professional Engineer Designate – Engineer in Training* you will:

Under the supervision of a Professional Engineer -

1. Assist in the planning, maintenance and operation of the City's wastewater collection/flood protection systems and sewage treatment plant to ensure the level of service being provided is at acceptable and expected standards.
2. Undertake engineering design, project management and/or contract administration for operational projects, including the preparation of bid documents and operational cost estimates.
3. Perform engineering analyses, calculations and hydraulic modeling to assess designs for wastewater loadings, wastewater treatment system performance, capacity, surcharge, flood protection levels, and infrastructure condition assessments.
4. Provide recommendations with respect to design alternatives, operational costs, and operational risk and customer impacts ensuring the proposed design minimizes impacts to the environment.
5. Assist in design review of proposed modifications to existing infrastructure and new development proposals to ensure designs comply with City servicing criteria and minimize customer, operational and environmental impacts.
6. Coordinate with personnel from other Department Divisions / Branches on operational system requirements such as training materials, templates, safety documentation and operating / maintenance manuals to support the Winnipeg Sewage Treatment Program (WSTP) Capital Upgrade Projects.
7. Support readiness activities for the WSTP Capital Upgrade Projects related to asset management.
8. Review design documents, as-built drawings, field survey data, property data and utility data for conflicts with proposed works.
9. Administer field data collection and monitoring programs to assess and optimize system performance.
10. Review and become familiar with all relevant licensing requirements under which facilities operate.
11. Provide customer service, respond to customer and councillor inquiries and maintain positive working relationships with internal and external contacts.
12. Provide written reports and presentations to document engineering analyses, recommendations and system performance of the wastewater collection and sewage treatment.
13. Perform other related duties consistent with the position as assigned.

Your education and qualifications include:

1. Must have a Bachelor of Science degree in Engineering.
2. Must be eligible to be registered as an Engineer in Training with the Engineers Geoscientists Manitoba (E.G.M.) within three (3) months.
3. Ability to prepare engineering reports and make recommendations.
4. Basic knowledge of the municipal wastewater, and land drainage systems.
5. Demonstrated communication and interpersonal skills, including written and group presentation skills.
6. Demonstrated ability to operate a personal computer using Microsoft Office (e.g. Outlook, Word, Excel).
7. Demonstrated ability to establish and maintain positive working relationships with employees at all levels of the organization, external contacts and the public, in accordance with the Respectful Workplace Standard.

8. Knowledge of economic analysis methodologies.
9. Ability to work effectively in a group setting and independently.
10. Analytical and problem-solving skills with the ability to be flexible and active in developing innovative methodologies.
11. Organizational and project planning skills to plan, organize, prioritize and coordinate work and resources with a high degree of independence.
12. Demonstrated knowledge of specific operating, maintenance and work processes used for wastewater collection, land drainage and flood protection and design and construction.
13. Demonstrated knowledge of the Water, Sewer, Lot Grading By-Laws.
14. Ability to work extended hours in emergency situations.

Conditions of employment:

1. The successful applicant must maintain legal eligibility to work in Canada. If the successful applicant possesses a work permit, it is their responsibility to ensure the permit remains valid.
2. A Police Information Check satisfactory to the employer will be required from the successful candidate, at their expense.
3. Must possess and maintain a valid Class 5 Manitoba Driver's License. The successful applicant will be required to provide a driver's notice in force document upon request.

APPLY ONLINE, including all documentation listed below:

1. Current resume (**Required**).
2. Cover letter.
3. Transcript of post-secondary education courses.
4. Applications submitted without REQUIRED documentation will not be considered.

Your application documents must clearly indicate how you meet the qualifications of the position.

Online applications can be submitted at <http://www.winnipeg.ca/hr/>. For instructions on how to apply and how to attach required documents please refer to our [FAQ's](#) or contact [311](#).

Hours of Work: 8:30 am to 4:30 pm, Monday through Friday or as required/assigned

Employee Group: W.A.P.S.O.

Position Reports To: Various Senior Engineers

1. If and when this temporary position becomes permanent, the successful applicant to this bulletin will automatically receive this position and a further bulletin will not be necessary.
2. In accordance with Article 4, an employee who enters the bargaining unit on or after the date of ratification [October 29, 2020] shall be placed on Schedule A-2. Employees of the bargaining unit who are on Schedule A-2 at the time of ratification will continue to be paid in accordance with Schedule A-2. Employees of the bargaining unit who are on Schedule A-1 at the time of ratification will continue to be paid in accordance with Schedule A-1 until they are the successful applicant to a position at a higher Administrative Salary Level (Grade) or they (or the Association on

their behalf) initiate a successful reclassification to a higher Administrative Salary Level (Grade) in which case they will be placed on Schedule A-2 and subsequently follow article 25-2 (Position Evaluation - Treatment of Incumbents).

3. Attainment of the Engineers and Geoscientists Manitoba (E.G.M.) "P. Eng." designation is mandatory within one (1) year following completion of the minimum number of years of experience recognized and required by the Association. Failure to obtain the designation will result in termination of the Designates employment with the City. Designates who successfully obtain the P. Eng. designation will remain in the Development Program until they are successful in obtaining a permanent engineering position.
4. Applicants may be required to undergo testing to determine their knowledge, abilities and skills as they relate to the qualifications of the position.
5. The successful applicant may be required to provide a vehicle for transportation while on City business, subject to the terms and conditions of the City's Transportation Policy.
6. The successful applicant will be required to complete job specific training required for this position as directed.

Only candidates selected for interviews will be contacted.