

Riverbank Management Engineer

Department: Engineering Services, Water and Waste Department

Designated Work Location: 1199 Pacific Avenue - Hybrid

Position Type: Permanent, Full-time

Salary: \$3,640.59 - \$4,897.02 bi-weekly, W.A.P.S.O. Grade 6

Posting No: 126087

Closing Date: August 5, 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

Under the general direction of the Manager of Engineering Services, the Riverbank Management Engineer is the head of the Waterways Branch and is responsible for the management of the Waterways function. The incumbent is the Delegated Authority for administering the Waterway By-law including processing and reviewing Waterway Permit Applications, issuance of permits and the enforcement of the By-law.

The Riverbank Management Engineer also provides technical support to other City Departments in respect to management, development and planning along the City's waterways as well as other geotechnical matters.

The Riverbank Management Engineer is also responsible for developing and implementing the riverbank stabilization program including the assessment of riverbank assets, the justification and prioritization of riverbank

improvement projects and the associated long term capital planning. As the project manager of riverbank improvement and asset protection projects, the Engineer will manage all activities related to delivery of the projects. The incumbent will also be responsible directing riverbank research activities and other special studies.

As the *Riverbank Management Engineer*, you will:

1. Administer the Waterway By-law to regulate construction along the City's waterways as Delegated Authority.
2. Provide geotechnical engineering support to City departments with respect to private development, the City of Winnipeg's own riverbank lands and other City initiatives.
3. Lead Riverbank project management, asset management and capital planning
4. Direct research and dissemination of information to assist in day-to-day operations and in long-term planning, policy decisions and advancement of riverbank engineering.
5. Manage human resources with respect to the Waterways Branch.
6. Provide support to the Standing Policy Committee on Water and Waste, Riverbank Management and the Environment and Planning Property and Development Department in respect to management, development and planning along the City's waterways.

Your education and qualifications include:

1. Post-secondary Degree in Engineering and a Master's Degree in Geotechnical Engineering is required. An equivalent combination of related education, training and experience may be considered.
2. Research experience in geo-hazards and PhD in Geotechnical Engineering is considered an asset.
3. Project Management Professional (PMP) is desirable and required within four (4) years.
4. Member of Canadian Geotechnical Society is desirable.
5. Member of Project Management Institute is desirable.
6. Member of International Erosion Control Association is desirable.
7. Extensive geotechnical engineering experience, preferably with hydraulics engineering experience and local experience (ie. Southern Manitoba).
8. Experience managing large, complex projects and leading multidisciplinary project teams from design through construction.
9. Experience managing a riverbank stabilization program or comparable asset management or geo-hazard management program is preferred.
10. Experience applying sound engineering practices and innovation to the development of programs and projects.
11. Experience using geotechnical modeling software programs (ie. Geo-Studio; Rocscience; FLAQ or Soilvision).
12. Experience using MicroSoft Word, Excel and Outlook.
13. Must have strong interpersonal skills with the ability to establish and maintain strong working relationships with staff and diverse stakeholders.
14. Must be organized with the ability to work in a deadline driven work environment with changing priorities.
15. Ability to effectively analyze complex problems to make and defend sound decisions.
16. Ability to verbally communicate technical and complex information to various internal and external stakeholders.
17. Ability to effectively in writing with experience preparing complex and technical reports and documentation.

18. Ability to perform critical peer review of the work of other professionals.
19. Ability to evaluate unproven, innovative works and develop new regulatory policies and standards.
20. Knowledge of hydraulic modeling practices and software.
21. Knowledge of codes, standards, by-laws and regulations relating to waterway development is preferred.
22. Knowledge of other jurisdictions' policies and programs related to waterways is desirable.

***IMPORTANT:** Applicants who have been educated outside of Canada must have education which is comparable to the minimum qualification in Canada. Applicants submitting foreign credentials require an official academic assessment report issued by a recognized [Canadian assessment service](https://canalliance.org/en/) <https://canalliance.org/en/> at application.

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.
4. Must possess and maintain a Professional Engineer (P. Eng.) and be a member in good standing with EGM.

APPLY ONLINE, including all documentation listed below:

1. Current resume (**Required**).
2. 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 to Friday

Employee Group: WAPSO

Position Reports To: Manager of Engineering Services

1. 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.