

# Job Title: Civil Engineer II (Senior Water Resource Engineer)

Requisition ID: 39622

## Organization

Located on the traditional, ancestral and unceded lands of the x̱w̱məθḵw̱əy̱əm (Musqueam), Skw̱x̱w̱ú7mesh (Squamish), and sə̱lilw̱ətaʔ (Tsleil-Waututh) Peoples, Vancouver has a commitment to becoming a City of Reconciliation. Vancouver consistently ranks as one of the world's most liveable cities and is working towards being the greenest city in the world. Named among Canada's Top 100 Employers, BC's Top Employers, and Canada's Greenest Employers, the City of Vancouver seeks colleagues who can help shape and embody our core commitments to sustainability, decolonization, equity and outstanding quality of life for all residents. Consider joining our committed team of staff and being part of an innovative, inclusive and rewarding workplace.

## Main Purpose and Function

The Senior Water Resource Engineer position focuses on green infrastructure design and delivery within the Park Board system and will provide leadership and engineering expertise to the Park Planning, Park Development, and Park Operations teams. This role will have support from the Engineering - Green Infrastructure team and be responsible for implementing the City of Vancouver's Rain City Strategy - Parks and Beaches Action Plan. This new position will have a key role in implementing parts of the Park Board's Biodiversity Strategy and Parks and Recreation Services Master Plan (VanPlay) to build an ecological network that supports nature across the city and reduce potable water consumption. The position will be focused on immediate application of green infrastructure strategies to support the multiple benefit objectives of rainwater integration into parks, internal and external design, construction and asset management.

Given the high public profile nature of Vancouver's parks, this position will support the City's efforts to be a leader in holistic and integrated approaches to water management and green infrastructure to help shape a more livable, equitable and resilient city that helps revive its urban watersheds and ecosystems. [Rainwater integration projects](#) at various scales within parks have already been identified and funding has been allocated, but this position is needed to advance them through design and construction. These projects will also be partly funded by the Government of Canada's Natural Infrastructure Fund, which supports projects that use natural or hybrid approaches to protect the natural environment, support healthy and resilient communities, and contribute to economic growth and jobs.

## Specific Duties and Responsibilities

- Lead the implementation of the Parks and Beaches Action Plan in the Rain City Strategy.
- Develop and manage consultant and construction contracts for Park GI Projects (including scopes of work, requests for proposals and contract execution). This includes regular site meetings/inspections with consultants and contractors.
- Conduct preliminary site assessments to evaluate potential GI sites for suitability.
- Prepare materials and design specification package, design concept development, design reviews and approvals, construction inspections as well as compliance review for internally and externally designed green infrastructure.
- Develop budgets for infrastructure capital works and forecast operational and maintenance needs for capital works.
- Provide senior engineering leadership, expertise and technical guidance to support ambitious green infrastructure plans for rainwater management integration into parks.
- Develop guidance materials and processes related to capital design, construction, establishment, operations and maintenance, monitoring and performance evaluation plans for green infrastructure in parks.
- Advise on playing field redevelopment projects, and how to best manage drainage and irrigation requirements with existing assets, synthetic and natural.
- Develop frameworks, processes and metrics by which to evaluate and learn from the design, construction, maintenance and performance of GI installations and to support continuous improvement in our implementation efforts.
- Liaise with other City departments and external agencies (e.g., Metro Vancouver) to coordinate the design, planning and construction of green infrastructure in parks.
- Provide strategic and technical support for major, city-led planning or policy initiatives that require an integrated approach to rainwater management.

- Represent the Park Board and Green Infrastructure Implementation Branch in departmental and organizational strategic plans and planning programs; and
- Prepare technical reports, Council and Park Board reports, presentations, letters & memos.
- Other duties/responsibilities as assigned.

## Qualifications

### Education and Experience:

- Bachelor's degree in Civil, Water Resource or Environmental Engineering with considerable related experience (minimum 7 years preferred) as a professional engineer.
- Registration or eligibility to register as a Professional Engineer in British Columbia.
- A demonstrated interest, working knowledge, and experience in the application of green infrastructure, ecology and Park Board priority areas related to wetland habitat, biodiversity, environmental education, and passive recreation.
- Experience reviewing and providing direction on designs developed by external consultant teams, construction field inspections and lifecycle asset management for green infrastructure.
- Experience developing and managing consultant and construction contracts.

### Knowledge, Skills and Abilities:

- A sound understanding of the engineering principles related to the design and construction of green infrastructure and other rainwater management systems, including hydrology, water quality, levels of treatment, and life-cycle management.
- Strong leadership, communication, and collaboration skills.
- Strong project management experience to effectively deal with multiple tasks of moderate complexity.
- Excellent interpersonal and written and verbal communication skills.
- Strong knowledge or skill in using computer software such as AutoCAD, Word, Excel and PowerPoint.
- Ability to work independently and to provide professional interdisciplinary advice and technical guidance while functioning effectively in a team environment.

Where operationally appropriate and subject to change, the City of Vancouver has a Flexible Work Program. This program allows staff to work remotely 1 – 4 days a week from locations that are a daily commutable distance from their work at a City worksite. At this time this position is eligible to be part of the Flexible Work Program.

The City's COVID-19 vaccination policy is currently suspended and as a result, vaccination against COVID-19 is not required at this time. However, should circumstances change and the City deem it necessary to re-introduce such policy, you may be required to provide proof of vaccination against COVID-19 in order to be eligible to continue performing your duties.

**Business Unit/Department:** Engineering Services (1300)

**Affiliation:** Exempt

**Employment Type:** Regular Full Time

**Position Start Date:** January 2024

**Salary Information:** Salary Range 91: \$106,345 to \$132,936 per annum

### Application Close: November 17, 2023

At the City of Vancouver, we are committed to recruiting a diverse workforce that represents the community we so proudly serve. Indigenous peoples, people of colour, 2SLGBTQ+ persons including all genders and persons with disabilities are encouraged to apply. Accommodations will be provided upon request during the selection process. Learn more about our commitment to diversity and inclusion.

### *Before you click **Apply now***

*Once you start your application you can save your work and leave the applications page, however please remember to submit your profile to the specific job requisition before the posting closing date.*

*In addition to uploading your cover letter and resume, part of the application process may include answering application questions related to the preferred requirements of the role which may take approx. 5-10 minutes. Cover letters should express interest and highlight additional information relevant to the position and resumes should include a summary of skills and experience related to the position.*