



Metro Vancouver – Join us in our commitment to provide services and solutions to one of the world's most livable regions. We deliver service excellence in the areas of regional growth planning, air quality, water, liquid and solid waste management, regional parks, affordable housing, and community engagement to over 2.4 million residents. We invite you to bring your skills, passion, and expertise to help us in our commitment to sustain and enhance our region's livability. We offer competitive salaries; excellent benefit packages; a municipal pension plan; employee wellness programs; and varied opportunities for professional growth and development. *Our Water Services Department is currently seeking a:*

## **Design Draftsperson I (Civil)** **(2 Positions)** **(Full-Time Regular)**

### **Nature of Work:**

Metro Vancouver is looking for a Design Draftsperson I (Civil) to join our Drafting team in the Water Services department. We provide drafting services for our engineers at Metro Vancouver for large civil infrastructure projects including South Surrey Interceptor, South Delta Main #1 and Angus Drive Main.

This position is located in our brand new office at Metrotown in Burnaby, which is located centrally and easily accessible by transit. We offer an attractive salary and benefits package, provide training and development and support our employees through various health and wellness initiatives.

### **DUTIES:**

Prepares preliminary and final engineering drawings of water, sewage and drainage systems including sewage treatment plants, water reservoirs, pumping stations and ancillary structures.

Prepares detailed structural, mechanical and electrical drawings, topographic plans, tabulations, bills of material and performs the technical calculations required.

Performs design and layout work involving water and sewer pipelines and appurtenances such as valve chambers, under the direction of an engineer; conducts investigations of proposed water and sewer pipeline routes.

Prepares cost estimates and job schedules and conducts field inspections of work sites; provides design and technical information; requests survey assistance when appropriate.

Reduces and plots field notes of traverses, topographic and hydrographic surveys; calculates quantities of fill and cut at spoil sites.

Prepares orders for legal plans, existing and future underground service reference plans and maintains progress reports.

Maintains records of changes and modifications; updates "as constructed" plans as appropriate and prepares "as built" drawings for completed construction and installation projects.

May check the work of one or more drafting subordinates.

Performs clerical and statistical duties related to the work.

Performs related work as required.

**REQUIREMENTS:**

Graduation from an Institute of Technology Certificate program in an appropriate discipline plus sound related experience, or an equivalent combination of training and experience.

Sound knowledge of municipal engineering design and computerized drafting principles, practices, techniques and standards; and of mathematics.

Sound knowledge of construction methods, practices and materials.

Ability to perform skilled drafting and to do the associated calculations accurately.

Ability to perform engineering design work of intermediate complexity and to prepare cost estimates and job schedules.

Ability to inspect construction work for technical adequacy and conformance to Municipal standards and specifications.

Ability to work efficiently with limited supervision and to understand and carry out written and oral instructions.

Ability to read and interpret engineering drawings and specifications.

Ability to establish and maintain effective working relationships with a variety of internal and external contacts.

Good visual and numerical aptitude.

Skill in the use of drafting and computing instruments including software applications for design and drafting (e.g. AutoCAD, Civil 3D, etc.).

*Please follow this link <http://www.metrovancouver.org/about/careers/> to our Careers page where you can submit your application by March 20, 2018.*

*While we greatly appreciate all the replies we receive, regretfully only those selected for an interview will be contacted.*