

Greater Vancouver Regional District

Position Description: Inspector V (G---)

Feb 2012

Purpose: This position is responsible to perform material and construction inspection on water, sewer, solid waste and other Metro Vancouver projects under the direction of senior technical or engineering staff and carry out a variety of technical sub-professional engineering related duties (e.g. investigations of proposed pipeline routes, directing of surveys, basic design of water and sewer pipelines).

Duties: *(The duties described hereunder are to be representative of the position and are not to be considered as all-inclusive.)*

Inspect water, sewer, solid waste and other Metro Vancouver construction projects for conformity to specifications and drawings and ensure that general quality for the project is maintained.

Read and interpret detailed engineering drawings for construction layout and for construction conformity.

Prepare daily inspection reports, detailed diaries and attend pre-construction and site meetings with engineers and contractors.

Maintain detailed written records concerning material quality and instructions to contractors.

Maintain construction records (e.g. pipe laid, excavation quantities, concrete and reinforcing steel placed, bedding and backfill material used, etc.) for the preparation of progress estimates and "as built" records.

Inspect and ensure quality of materials including aggregates, concrete, asphalt, pipe fabrication, linings and coatings at manufacturing plants.

Prepare elementary designs of water and sewer pipelines and appurtenances.

Organize, co-ordinate, inspect and approve the scheduling of work on construction projects.

Investigate proposed water and sewer pipeline routes.

Advise and assist engineering personnel in all aspects of water and sewer related engineering practices such as route investigation, design, inspection and construction.

Inspect the field application of corrosion protection on welded steel pipelines.

Perform engineering related calculations.

Perform grade and alignment checks using survey equipment.

Ensure staff and contractors adhere to safety regulations.

Ensure that staff and contractors understand the specifications and drawings.

Make and classify soil investigations.

Oversee the work of contractors and resolve problems with same.

Supervise and direct one or more junior staff.

Train and mentor junior staff.

Make training recommendations for staff.

May be requested to act for supervisor as required.

Perform other related duties.

Requirements:

Diploma in Civil Engineering Technology from BCIT or a recognized technical institute plus at least eight years of directly related and progressive experience.

Valid BC drivers licence.

Considerable knowledge of standard engineering terminology and applicable practices.

Ability to interpret and follow standards and specifications.

Considerable knowledge of quality control testing procedures regarding materials utilized in water, sewer and solid waste projects.

Ability to communicate and deal effectively with Metro Vancouver staff, outside organizations, contractors and the public.

Considerable knowledge of safety procedures and WorkSafe regulations and ability to apply regulations.

Considerable experience in the use of computers and applicable software.

Excellent verbal and written communication skills.

Effective technical writing skills.

Demonstrated ability to supervise staff.

Demonstrated ability to train and mentor staff.

Clearly demonstrated ability in all aspects of sub-professional engineering practices such as route investigation, basic design, inspection and construction.

Membership with the Association of Applied Science Technologists and Technicians of BC.