



ABOUT US

Giffen Consulting Ltd. is a Vancouver, Canada based organization that provides design, engineering, project and construction management services to a range of sectors, including mining, chemical wastewater and industrial.

We deliver effective, timely and innovative solutions that result in successful project delivery – from conceptions to completion. What sets us apart from other consultancies is our ability to deliver flexible project management strategies that are tailored to the needs of our clients

POSITION OVERVIEW

Giffen Consulting Ltd. is looking for a Senior Pipeline Designer to work with our clients to provide project design services for utilities projects. You will have a technical background in utilities, piping, pipeline or facilities projects and strong communication and interpersonal skills. You will also have had some construction experience throughout your career.

Working both at our Vancouver Office and, as required, from the client's office, this role will be responsible for producing piping layout drawings, routing, and alignment drawings, piping isometric drawings, specifications and detail, and bills of material while adhering to strict company procedures, engineering criteria, design standards and applicable codes.

This role will work within both 2D and 3D model environments and interface regularly with other disciplines, vendors, and client team members. This role will also provide guidance and technical support to designers, drafters, and junior engineers as we grow our internal team.

This is a senior level hourly/contract position.

KEY RESPONSIBILITIES

- Should be able to prepare FEED & detailed engineering drawings of utilities, overland or facilities pipelines.
- Responsible for reading, processing, and interpreting field data and survey drawings/ documentation
- Perform/ participate in pipeline site surveys & route finalization.
- Preparation of Overall Route Map, Plot Plan, Profile Drawings, Route Alignment sheets, station approach drawings, Pipeline Survey Corridor cross section, Pipeline Trench Details, Field Area Layout Drawings.
- Preparation of crossing layout and detail drawings, including Horizontal Directional Drilling (HDD) drawings.
- Familiarity with Pipeline detail engineering standards, including spacing requirements, accessibility, operation, maintenance, crossings and right of way (ROW)

- Preparation of Overall Routing Layout Drawings which includes Plot Plan, Equipment layout, Layout Index, Piping Plan (GAD), Valve Pit Drawing, Piping plan Demolition Drawing, Valve Station Drawing & Fencing layout Drawing, and Tie-in detail Drawings.
- Checking & review of pipeline eng. drawings, including Plan & Profile, Alignment sheets, Plot Plan, Piping Plan, Isometric Drawings, with respect to the latest P&ID's, Vendor Drawings & inputs from other discipline
- Prepare and assist in the release of drawings and documentation for projects.
- Perform calculations and check and revise drawings.
- Perform site visits / audits and measure existing infrastructure such as piping and tanks in support of the engineering team as required.
- Prepare 3D model and 3D designs using Civil3D.
- Generate 2D drawings from the 3D model
- Apply the design criteria and strict client drafting standards throughout the evolution of the design and to all deliverables.

QUALIFICATIONS & EXPERIENCE

- Diploma in Mechanical Engineering Technology, Process Piping or equivalent educational background
- Registered, or eligible for registration, as an Applied Science Technologist in British Columbia or equivalent.
- 15+ years experience in utilities, piping, pipelines or facilities engineering and design.
- Knowledge of CSA Z662 and ASME B31.3.
- Familiar with ASME B31.4 and B31.8
- Experience creating 2D and 3D drawings, general arrangements, and isometrics.
- AutoCAD Civil3D or GIS is essential.
- Excellent communication skills, both verbal and written.
- Ability to work as part of a project team in a multi-discipline environment.
- Ability to present project design and concepts to clients.
- Fluent with MS Office software.
- Valid Class 5 BC drivers license.

To apply, please send your cover letter and resume in confidence to info@giffenconsulting.com.