

## ROLE

Working in conjunction with the SMJV Engineering Team, the Junior Field Surveyor will be responsible for assisting with data collection, survey set-out and staking, and managing of machine control equipment. Experience with data collection via drone flights is considered an asset. The Junior Field Surveyor will be involved with the project from the start of scouting to the end of clean-up, capturing the necessary data for the construction and restoration of the pipeline and right of way.

## KEY RESPONSIBILITIES

Junior Field Surveyors usually work as a two-person crew with the Drone Operations Technician and are required to assist with their duties. Primary instruction is provided by the Drone Operations Technician but may also be given directly in the field from time to time by Foreman and Superintendents. Responsibilities include:

- Set-up and operate Topcon GPS systems and other survey gear (i.e. total stations)
- Support Trimble & Topcon machine control equipment including loading files, calibrating equipment, troubleshooting problems, and performing small repairs (replacing cables)
- Support drone flights to collect data (videos, photos, photogrammetry data, etc.).
- Assist field data collection with concise notes as requested for processing (topography, pipe bending data, as-builts, design features, etc.)
- Provide construction support to field crews such as verifying excavation depths and cut/fill slopes
- Set-out stakes in the field for construction crews using drawings, point files, linework, and surfaces including:
  - Centreline, design features, cut stakes, excavation and grade designs, control networks, etc.
- Support design verification for accuracy before implementing for construction
- Safe driving of a company truck on terrain including highways, forestry logging roads and pipeline right of ways
- Establish and promote best practice in health, safety, and environmental matters in conjunction with the HSE department

*Note: In addition to these duties personnel are required to carry out such other duties as may be reasonably required in order to support the objectives of the company.*

## POSITION REQUIREMENTS

*Qualifications (preferred but not mandatory)*

- Bachelor's Degree in Engineering (Geomatics or Civil preferred) or
- Technological Graduate in Geomatics or Civil Engineering Tech

### *Experience*

- Minimum 3 years surveying experience in the field
- RTK GPS and Total Station experience
- Topcon GPS experience is an asset
- Trimble & Topcon Machine Control experience an asset
- Civil grading experience an asset
- Pipeline construction experience an asset
- AutoCAD Civil 3D an experience asset
- Drone experience with an Advanced Operations RPA Certificate an asset

### *Skills and Knowledge*

- A valid driver's license and can provide a clean driver's abstract
- Understanding of the oil and gas pipeline construction industry
- Basic understanding of the concepts behind data management in a relational database
- Ability to think analytically and solve problems
- Strong written and oral communication skills, having the ability to listen and ask questions to clarify understanding as necessary
- High level of attention to detail
- Strong problem-solving skills in a field environment
- Appreciate the time, cost, and quality implications of the role
- Ability to use own initiative and prioritize tasks each day
- Ability to take direction, work in a team environment, and contribute to the success of the project
- Capable of completing work to deadlines
- Complete training and required valid safety tickets is a requirement prior to employment
- Must be physically fit and able to walk on uneven terrain for sustained periods of time

### **WORKING CONDITIONS**

This position is field based and often works within remote project locations. Travel and/or living in temporary accommodations is required. This position works 5 days on, 2 off Monday – Friday, 12 hours per day. Considerations to be made for working Saturdays pending workload.

### **REPORTING RELATIONSHIPS**

The Junior Field Surveyor reports to the Drone Operations Technician & Engineering Manager.