

# Pipeline Construction

GeoVerra is a one-stop shop for surveying and environmental solutions for pipeline projects. Our team provide safe and cost-effective solutions for the successful completion of these projects throughout the construction lifecycle.

As one of Canada's biggest surveying and geomatics firms, we have the capacity to take on large, long-term projects and the ability to scale up and down as required. Having surveyed thousands of kilometres of pipelines, we understand the process and the complexity involved. As industry experts for large-diameter pipeline projects, we support all phases of construction with an experienced, field-based team that includes survey crews, geomatics technologists, forestry specialists, and on-site management, backed by a consistent team of office professionals.

## Preliminary Engineering Surveys

- Obtain imagery, LiDAR, cadastral boundaries, for preparation of base maps in CAD and GIS formats
- Creation of a GIS geodatabase and custom Web Portal for project planning purposes
- Preliminary Master Crossing List (MCL)

## Access Road Network

- Creation and maintenance of an access road network and access mapping

## Regulatory & Land Acquisition support

- Preliminary mapping for stakeholder engagement, public/regulatory/Indigenous consultation

## Pre-Construction Staking

- Staking/flagging boundaries of all proposed features and known crossings
- Line locating for ground disturbance/one call

## Construction & As-built Surveys

- Staking of ditch line appurtenances, crossings, environmental and archaeological features
- Pipe tally/pipe log and pup tracking
- Weld mapping and pipe verification
- Lower in, tie-ins, hydrostatic test support, caliper run support, deficiency staking
- Valve and Facility surveys
- Highway and railway monitoring support
- HDD & bore profiles
- Full feature pipeline as-built and LTO deliverables

## Post-Construction & Legal Surveys

- Re-staking and cleanup support
- Post construction final grade profile
- Redlining of IFC drawings.
- Posting survey monuments on pipeline right of way boundaries
- Plan creation, land surveyor review and approval
- Registration and disposition filing

For more information, visit our website or get in touch with your local office at [geoverra.com/contact](https://geoverra.com/contact)