

Ericka Lee - Tuck BSc., G.I.T.

250-741-4619 · ealtlee@gmail.com
1 - 25 Pryde Ave., Nanaimo B.C

JUNIOR GEOSCIENTIST

A dynamic self-starter with three years of experience working in BC's construction and engineering sectors, both on and off-site. Seeking a dynamic role with a geotechnical engineering firm where my geoscience skills and field experience can be put into practice.

KEY COMPETENCIES

Geotechnical Assessments
Soil & Rock Identification
Site Investigations

QA/QC Management
Project Coordination
Report Preparation

AutoCAD 2024
Microsoft Office
Adobe Acrobat

EDUCATION

Brighton College

October 1, 2024 to Present

CAD Drafting for Civil Infrastructure Certificate

Areas of Study: AutoCAD, BC Building Code, Construction Estimating. Future courses include SketchUp and Civil3D.

Vancouver Island University

2009-2016

Bachelor of Science - Major in Geoscience

Areas of Study: Engineering Geology, Quaternary Geology, Structural Geology, Mineral Resource Geology, Geomorphology, Hydrology, Geological Field Methods and Mapping.

TECHNICAL PROJECTS

Dzawada'enuxw First Nation, Padakus Creek Hydroelectric Project

June 2023 to Aug. 2024

- QA services as the geotechnical owners representative for construction of intake, penstock, GRS wall, and powerhouse structures for a run of river project in Kingcome Inlet B.C
- Daily site inspections of the above structures as construction progressed that included supervision of drilling, blasting and earthworks activities.
- Worked in partnership and liaised with the contract administrator and the civil/structural engineer of record with ongoing construction reviews.

TransMountain Pipeline - Coquihalla River 10th River Crossing Reroute

Aug. 2024 to Sept. 2024

- QA services in support of temporary GRS wall/access road construction to the southern tie in portion of the TransMountain Pipeline reroute and pipeline backfill oversight
- Services included review of GRS wall/access road construction, compaction oversight and rockfall hazard mitigation.

TransMountain Expansion Pipeline - Spread 6 - KP1113 Slope Stability

Sept. 2023 to Dec. 2023

- QA services for the construction of a GRS retaining wall that was to provide added slope stability prior to the installation of the fourth expansion line near Abbotsford B.C
- On site reviews of the contractor on GRS wall construction progress as well as reviewed any changes to the design.

TransMountain Pipeline - KP933 Integrity Dig and Shoring

May 2023 to June 2023

- QA services to support an integrity dig along a section of the TransMountain Pipeline located at the Larson Hill portion of the Coquihalla Highway south of Merritt B.C
- Services included review of micropile drilling activities, excavation to targeted section of pipeline and, backfill compaction oversight up to asphalt milling and placement
- Liaised with TransMountain Inspector on daily construction activities.

RELATED WORK EXPERIENCE

Base Geotechnical Inc - Parksville B.C

Nov. 2022 - Present

Junior Geoscientist

- QA/QC services for building foundations, earth retaining walls, resource roads, rock anchors, rock fall mitigation structures, penstocks, and creek bed remediation
- Assisted in the preparation of geotechnical assessment reports for senior review including flood and slope stability assessments, and rock structure analysis
- Geotechnical drilling and test pit investigations for geotechnical assessments
- Drafted field memos and final reports for senior engineer approval and distribution
- Reviewed construction and engineering drawings for project planning.

Milestone Equipment Contracting Inc - Nanaimo B.C

May 2018 - Aug. 2019

Project Coordinator

- Site visits with Project Managers to monitor and review construction progress
- Coordinated the completion of deficiencies with the Project Manager and Superintendent
- Drafted project documentation including QC manuals, safety documents, and O&M manuals
- Attended pre-tender site meetings with the Chief Estimator and Project Manager to evaluate the potential tendering of projects
- Assisted with the completion of tenders by drafting submittal documentation and procurement of sub-quotations
- Assisted with field preparation of equipment, coordinating utility locates and subcontractors

Core Geotechnical Inc - Nanaimo B.C

Sept. 2017 - May 2018

Geoscientist in Training

- On-site construction reviews for QA/QC purposes for an earth retaining wall project in Mill Bay B.C
- Planned and coordinated a test pitting program with the contractor for a multi-residential building project in Nanaimo B.C
- Collected and logged soil samples from the test pit program and prepared them for materials testing.

CERTIFICATES

Road Builder/Heavy Construction Foundations and Heavy Equipment Operator Certificate

Class 5 Drivers License with Air Brake Endoresment

SiteReady BC - BC Construction Safety Alliance

WHMIS 2015 - BC Construction Safety Alliance

Occupational First Aid Level 1 - St John Ambulance

Ground Disturbance Level II - BC Common Ground Alliance

Resource Road Driver Training - BC Forest Safety

References Available Upon Request