STATEMENT OF QUALIFICATIONS

# Innovative Civil Engineering Solutions



**Innovative Civil Engineering Solutions**
c/o ENGI 8700 Project Group 1
Faculty of Engineering and Applied Science
Memorial University of Newfoundland
St. John's, NL A1B 3X5

# Keith Bartlett

**Structural Engineer**

An organized and skilled senior Civil Engineering student, Keith's experience includes multi-disciplinary project management, concept development, and structural analysis. With over a year of structural experience with Tiller Engineering he has been involved with the analysis of guyed and self-support tower structures, the construction and expansion of a storage warehouse, and project reporting and controls for tower infrastructure upgrades for the Atlantic Region. Keith's other experiences include environmental remediation, building envelope inspections, foundation inspections and preliminary cost estimation. He has worked as a project manager in both owner and prime consultant roles.

# Scott Noseworthy

**Project Manager**

A highly motivated and skilled project/construction manager, Scott has experience in all stages of construction projects in a multi-disciplinary environment, including concept and design development, and cost estimating. With close to two years of project management experience with the Government of Newfoundland and Labrador, he has been involved in the design of various building improvements and has been responsible for conducting architectural, structural, and civil inspections, building envelope investigations, as well as field supervision of major renovations and new building construction throughout the Avalon Peninsula. He has also contributed to the design of various building improvements. As a member of the Canada Green Building Council, Scott is familiar with LEED® accreditation for new construction and renovations and has been involved in such projects during his employment with the Provincial Government. He has effectively managed various projects for time, quality, and budget during his co-operative education employment.

# Lloyd Osmond

**Geotechnical Engineer**

Lloyd possesses extensive experience in geotechnical investigations and analysis, and has considerable on-site experience in the coordination and management of heavy civil projects. Throughout his valuable work experience as a co-operative education student, Lloyd has been exposed to large reinforced concrete construction, geotechnical drilling, and he has been directly involved in the design process. The projects that he has been involved with during his employment have promoted his development as a professional engineering student, as well as a geotechnical engineer. Lloyd looks forward to pursuing challenging and demanding projects in the Civil Engineering field.

# Ian Bursey

**Quality Control Engineer**

Ian brings an extensive research background from the oil and gas industry to Innovative Civil Engineering Solutions. Ian has been involved in several research projects which have included studying the effects of frost heave on buried CNG pipelines, experimentation of pipe-in-pipe riser systems, as well as finite element modeling of CNG containment vessels. In the process he has gained valuable project planning, management, and reporting experience. Ian also brings a familiarity with hydro-electric developments from working with CF(L)Co's Water Resources Division where he performed regular surveillance and inspection of earth dykes and dams, in addition to hydraulic structure and spillway inspections.

# Selected Project Involvement

- New Mobile Central High School Construction
- Hazardous Materials Abatement and Demolition of Old Mobile Central High School
- Building Envelope Investigations – Various Buildings, Avalon Peninsula
- Holy Family School Extension
- Amalgamated Academy School Extension
- Beachy Cove School Extension
- Leary Brook School Extension
- Torbay New Elementary School CP1 Site Work (LEED)
- Laval High School Partial Demolition and Renovations
- CNA Prince Philip Drive Building Envelope Refurbishment
- Former Janeway Hospital Hazardous Materials Abatement and Building Demolition
- Queen's Printer Accessibility Upgrades Concept Design and Budget Planning
- Her Majesty's Penitentiary Building Envelope Upgrades
- Her Majesty's Penitentiary Cognitive Skills Room Renovations
- OCIO Loading Dock Replacement Feasibility Review
- Salmonier Prison Camp – Demolition of Camp/ Structures
- Reinforced Concrete Ferry Terminal Construction, Portugal Cove
- Bridge Rehabilitation on Route 60 Conception Bay South Highway, Holyrood
- Geotechnical Investigation for a Flow Control Structure in Quidi Vidi Lake
- Geotechnical Investigation for a Building Extension on Kenmount Road
- Geotechnical Analysis for a Proposed Building Construction on Stavanger Drive
- Reinforced Concrete Structure Quality Control Analysis for a salt storage shed, Bay Roberts
- Topographical constraints report for a proposed Newfoundland and Labrador Hydro Corridor
- Environmental Remediation of Oil Spills – St. John's and Labrador
- Annual Structural Audit –IOCC
- Tower Foundation inspections – Bell Mobility
- Concrete Cracking Control and Remediation
- Warehouse Structural Analysis & Expansion Design
- Environmental Emergency Response Plan Development
- Building Envelope Inspections – NLHC

# Codes/Standards Familiarities

- CAGBC LEED® for New Construction and Major Renovations
- CAN/CSA A23.3-04 Design of Concrete Structures
- CAN/CSA S16-01 Limit States Design of Steel Structures
- CAN/CSA S304.1-04 Design of Masonry Structures
- CAN/CSA S37-01 Antennas, Towers, and Antenna-Supporting Structures
- City of St. John's Specifications Book
- National Building Code of Canada 2005
- National Fire Code of Canada 2005
- Newfoundland and Labrador Highway Specifications
- Newfoundland and Labrador Master Specification for Publicly Funded Buildings