

Education

Memorial University of Newfoundland - B. Eng, Civil Engineering, 2004

Registrations

Engineer-in-Training – Province of Alberta

Experience Summary

Upon graduating from Memorial University with a degree in Civil Engineering, Mr. McGrath began his engineering career with Inco Technical Services Ltd. at their mini-pilot plant facility in Mississauga, Ontario. During his time there, Desmond was part of a dedicated team that worked to refine Inco's new state-of-the-art hydrometallurgical process for producing high purity nickel from concentrate. After fifteen months with Inco, he began his role as a municipal engineer with Beairsto Lehnert Ketchum Engineering Ltd. in September 2005. Since that time, his primary focus has been on the design of residential and commercial/industrial subdivisions and the preparation of detailed engineering drawings. His experience has varied from rural applications to large commercial developments. In addition, Mr. McGrath has also been actively involved in environmental site assessments and the design of rural roads in the County of Grande Prairie.

Representative Projects

Wapiti Center - Developer (Wade Bloomer) - Municipality (City of Grande Prairie). Project Engineer responsible for the design of a 22-acre commercial development which began construction in June 2007. Planning for the project included a detailed review of the existing underground infrastructure, a storm water analysis of the property and surrounding area as well as all associated water and sewer designs. The first phase of this on-going development included the installation of the underground utilities and construction of internal roads, parking lots and entrances. Other features of the project include the design of a deceleration lane on an arterial road, off-site tie-ins to trunk mains and multiple auger shots across an existing highway for future tie-ins.

Creekside - Developer (Creekside Land Corp.) - Municipality (City of Grande Prairie). Project Engineer responsible for the design of the fourth phase of the manufactured home community at Creekside. This phase of the development consisted of 86 lots, as well as the construction of a large park and playground, central to the community. This project involved the design and construction of several hundred metres of internal roads and lanes. All associated water and sewer designs were also designed and constructed.

Westlake Village - Developer (Grant Althen) - Municipality (County of Grande Prairie). Project Engineer responsible for the design of the third phase of this up-scale residential development, which included 36 acres of municipally designed subdivision. The key features of Westlake Village are its oversized lots with walkout basements backing onto a large fully landscaped, storm pond. A walking trail network was integrated into the design to provide the residents with easy access to the pond from any section of the subdivision. The third phase of the project involved the construction of paved roads and underground infrastructure capable of servicing the needs of the development.