



Servant, Dunback, McKenzie & MacDonald Ltd.

NOVA SCOTIA LAND SURVEYORS & CONSULTING ENGINEERS

36 Oland Crescent
Bayers Lake Business Park
Halifax, Nova Scotia
B3S 1C6

Phone (902) 455 1537 Email rlandry@sdmm.ca
Fax (902) 455 8479 Website www.sdmm.ca

RAYMOND A. LANDRY
M.A.Sc., P.Eng., LEED Green Associate
CHRISTOPHER J. FORAN
P.Eng.
GEOFFREY K. MacLEAN
P.Eng.
RACHAEL W. KYTE
P.Eng., LEED Green Associate
ALEXANDER W. PULSIFER
P.Eng.
BLAKE . TRASK
P.Eng., NSLS

DANIEL S. GERARD
P.Eng., NSLS
CARL K. HARTLEN
NSLS
H. JAMES McINTOSH
P.Eng., NSLS, CLS
KEVIN A. ROBB
NSLS
MICHAEL S. TANNER
NSLS
ADAM J. PATTERSON
P.Eng., NSLS

CORPORATE PROFILE

SDMM provides a wide range of professional engineering, surveying and other geomatics services to local and national clients throughout Atlantic Canada. SDMM, its predecessor companies and associated practices have provided professional services throughout eastern Canada since 1875.

The company is Nova Scotia owned and managed by a professional staff who offers consulting and technical services to its private, commercial, industrial and government clients. SDMM presently has a permanent staff of 30 people. All professional staff members are professional engineers and/or land surveyors, licensed to practice in Nova Scotia and on Canada Lands throughout Canada.

The company's engineering focus is primarily on municipal engineering, building civil site services and land development. Conceptual planning, construction cost estimates, drainage studies and detailed design of roads and services are part of the engineering services offered to our clients. During the construction stage, project management is provided through the preparation of tender documents, inspections, as-built data collection, testing, monitoring, record drawings and certification.

SDMM has a strong background in and a long history providing professional land surveying services. Our company has surveyed large tracts of rural woodlands, large subdivisions for both residential and commercial developments, complex land assemblies in urban centres, corridor surveys for gas pipelines and transmission lines. We also have extensive experience in construction surveys, condominium surveys, accident surveys, topographic surveys, easement surveys, crown land surveys and boundary litigation.

The technical and professional staff use state-of-the-art, electronic field and office equipment to ensure that all assignments are executed in the most accurate and cost-efficient manner possible. The company owns and utilizes the latest models of electronic theodolites (total stations), Global Navigation Satellite Systems (GNSS), 3D High Definition Laser Scanning (HDS) and Unmanned Aerial System for photogrammetry as primary, high-accuracy data collectors.

Our computing facilities are supported by an extensive suite of software including the latest versions of Autodesk Infrastructure Design Suite, Autodesk Building Design Suite, ClearEdge3D EdgeWise, Leica Geo-Office, Leica Cyclone, Leica JetStream, & Leica Cloudworx. Electronic files & final products can be supplied to the client in a wide variety of 2D & 3D formats.

As a member firm of a consortium of maritime owned companies, SDMM provided the surveying services to Maritimes and Northeast Pipeline for the Sable Offshore Energy Project.

PROFESSIONAL SERVICES

SDMM has a well-respected reputation of providing the highest quality of cadastral topographic and engineering surveys. This well founded recognition is based on many years of being a leader in the land survey profession through maintaining dedicated and well-experienced land surveyors and surveying engineers in our company. SDMM continues to stay current with the ever-changing legislation and regulations that affect land development. We employ qualified technical staff and use the latest technical equipment and computer software for the benefit of our clients.

We apply the same corporate philosophy to our professional municipal/civil engineering servicing. Under the direct control and supervision of our professional engineers, SDMM has successfully completed many engineering projects. These projects include concept plans and drainage studies for building sites, campuses and large subdivisions; On-site sewage system design and master plan preparation (QP services); the design of roads, storm, sanitary and water services in both serviced and un-serviced subdivisions as required; along with commercial site servicing and grading design. Our professional staff has carried out all aspects of construction management and inspection for both serviced and un-serviced subdivisions, including the preparation of record drawings and final certification reports.

ENGINEERING SERVICES

DESIGN/DEVELOPMENT

- ✓ Concept Subdivision Plans
- ✓ Development Agreement Applications
- ✓ Tentative Subdivision Plans
- ✓ Final Subdivision Plans
- ✓ Subdivision Drainage Plans
- ✓ Stormwater Management Plans
- ✓ Erosion & Sedimentation Control Plans
- ✓ Preliminary & Detailed Road and Street Design
- ✓ Water Main, Sanitary, & Storm Sewer Design
- ✓ Sanitary Sewer Pumping Station Design
- ✓ Preliminary & Detailed Design Cost Estimates
- ✓ Tender Document Preparation & Evaluation
- ✓ Subdivision On-site Sewage System Master Plans
- ✓ On-site System Malfunction Investigation and Design
- ✓ Land Based Sewage Treatment
- ✓ NSDEL Application for Approvals

CONSTRUCTION INSPECTION & CERTIFICATION

- ✓ Full time on-site Inspection Services & Contract Administration
- ✓ As-built field data collection & Record Drawing Certification
- ✓ Detailed Construction Cost Certification
- ✓ HRWC Water Main Digital File Preparation
- ✓ Water and Sewer Services Testing Verification & Certification
- ✓ Water and Sewer Service Lateral Card Preparation
- ✓ QP1 and QP2 On-site Sewage System Inspection & Certification
- ✓ NSDEL letters of Certification
- ✓ HRWC letters of Certification
- ✓ HRM letters of Certification

BUILDING SITE SERVICES

- ✓ Parking area Layout, Grading and Storm Sewer Servicing Design
- ✓ Driveway Entrance, Concrete Curb & Sidewalk Layout & Design
- ✓ Water and Sewer Services from Building to Municipal Services
- ✓ Construction Inspection Services and Electronic Data Collection
- ✓ Record Drawing Preparation
- ✓ Sprinkler Service Inspection & Certification
- ✓ Water Bacteria Samples
- ✓ Building Layout & Location Certification
- ✓ Hydrant flow testing
- ✓ Construction Management Plans

SURVEYING SERVICES

CADASTRAL SURVEYING

- ✓ Boundary surveys
- ✓ Subdivision surveys
- ✓ Condominium surveys
- ✓ Surveyor's Location Certificates
- ✓ Lot grading surveys
- ✓ Lease space surveys

ENGINEERING SURVEYS

- ✓ Topographic surveys
- ✓ Construction surveys
- ✓ Route surveys
- ✓ Accident surveys
- ✓ Lot grading surveys
- ✓ Hydrographic surveys
- ✓ Subsidence monitoring

SPECIALITY SERVICES

- ✓ 3D high definition laser scanning
- ✓ GPS Surveying
- ✓ Aerial Imaging
- ✓ Aerial Surveys
- ✓ Volume calculations
- ✓ Building gridline layout
- ✓ Land title research
- ✓ Precise control networks
- ✓ Cell tower site surveys
- ✓ Large format table digitizing
- ✓ Expert testimony for litigation
- ✓ Alternate dispute resolution
- ✓ CAD drafting and plotting
- ✓ ASCII file preparation
- ✓ Scan-to-BIM Modeling (Revit)
- ✓ Scan-to-CAD Modeling (AutoCAD)
- ✓ Factory/Plant Modelling
- ✓ Infrastructure Modelling
- ✓ As-built drawings and Models
- ✓ Progressive Construction Scanning
- ✓ Asset Management
- ✓ Matterport Virtual Tours