09: TECHNICAL CAPABILITY

The applicant has retained Sebago Technics, Inc., a consulting engineering firm, to assist in all aspects of the proposed site development. A firm introduction and key personnel resumes are included in this section.

Introduction to Sebago Technics, Inc.

Year Established: 1981 (36 years in business)

About Us: Sebago Technics, Inc. (STI) is a consulting firm of more than 65 design professionals and technical staff providing services throughout New England. From the start, our business plan was simple: "to provide quality, cost-effective civil engineering services that are responsive to a customer's goals, schedule and budget." Our One Company capabilities and resources provide clients with experience and solutions to respond to their planning, permitting and design needs.

Structure: Employee-owned since 1998

Services: Civil, environmental, transportation & traffic engineering; municipal engineering; local/state/federal permitting and planning; land surveying & laser scanning; GIS; landscape architecture; environmental services; and natural resources.

Employee Disciplines:
Professional Engineers, Civil Engineers, Transportation Engineers, Landscape Architects, Professional Land Surveyors, Survey Technicians, CADD Designers, Wetland Scientist, Soil Scientist, Construction Inspectors, Environmental Scientists, GIS Professionals, Marketing, Administrative & Financial

Professional Focus: Sebago Technics provides engineering and planning services to both public and private sector clients. In the municipal and government sectors we have provided multiple discipline services through General Services Contracts (GSC) and project specific contracts. A few examples include the Portland Jetport, City of Portland Public Services, City of South Portland, City of Lewiston, City of Westbrook and several smaller communities. Our municipal sector work includes street and utility infrastructure design, municipal facility planning and specialty work such as Island marine and solid waste planning & engineering.

Location: South Portland, ME

Geographic Service Area: Maine, New Hampshire, Vermont, Massachusetts

Web Site: www.sebagotechnics.com

AMBER R. FERLAND, PE

Project Engineer

Ms. Ferland joined Sebago Technics, Inc. in 2017 as a Civil Engineer. Amber is a graduate of Norwich University with a degree in Civil Engineering and a Masters in Business Administration. Amber is originally from Vassalboro, ME but has been working for the last few years in Florida. She has worked as a Project Manager for a municipal public works department and most recently as a Staff Engineer for a national engineering firm. Amber inspected various stormwater management facilities in Florida including dry retention ponds, dry detention ponds with underdrains, and wet ponds. Inspections were completed for Florida Power & Light Company, Stetson University, and On Top of the World.

EXPERIENCE

Morse High School & Regional Technical Center - Bath, ME
Project included site design and engineering for a new high school and regional technical center in the City of Bath. Assisted with site design including stormwater treatment design and permitting through municipalities and regulatory agencies.

Titusville School Sidewalks, Phase 2 - Titusville, FL
Ms. Ferland was responsible for managing construction, maintenance of traffic reports, reviewing all contracts for FDOT LAP program requirements, conducting employee interviews, and LAP coordination with FDOT (construction inspections, meetings, walkthroughs). The project consisted of removing and replacing existing and installing new 5' sidewalk according to construction documents on Milton St., Capron Rd., Knox McRae Dr., and Capron Rd.

East Central Rail Trail, Phase 1 - Titusville, FL
Ms. Ferland was responsible for managing construction, maintenance of traffic reports, reviewing all contracts for FDOT LAP program requirements, conducting employee interviews, and LAP coordination with FDOT (construction inspections, meetings, walkthroughs). This was the first phase of East Central Florida Regional Rail Trail (part of the East Coast Greenway). Contained about 1.0 mile of asphalt trail. Ms. Ferland was also involved in the second phase of East Central Florida Regional Rail Trail (part of the East Coast Greenway). Contained about 0.5 miles of asphalt trail and steel truss pedestrian bridge overpass.

Hopkins Ave. Complete Streets - Titusville, FL
This project consisted of a Complete Street design for local Hopkins Ave. including sidewalk widening, bus turnouts, pedestrian refuge islands, ADA compliant curb ramps and drainage improvements. Ms. Ferland completed 75% of the design, and managed other design subconsultants.

City of Titusville Public Works Department for FDOT & FHWA certification as a LAP agency:

- Created the ADA Transition Plan
- Created the Limited English Proficiency (LEP) Plan
- Created the Title VI/Nondiscrimination Policy

EDUCATION

Norwich University - Northfield, VT
Masters of Business Administration, 2014

Norwich University - Northfield, VT
Bachelor of Science, Civil Engineering
Minor: Construction Engineering Management, 2012

REGISTRATIONS

Professional Engineer: Maine #15451

MEMBERSHIPS

Society of Women Engineers
2008-Present
President 2009-2011
Vice President 2011-2013

American Society of Civil Engineers (ASCE) 2010-Present

National Academy of Engineering - EngineerGirl Mentor - 2018 - Present

CERTIFICATIONS

Certification #089 Maintenance and Inspection of Stormwater Best Management Practices

SEBAGO TECHNICS

207.200.2095 AFERLAND@SEBAGOTECHNICS.COM

PAUL D. OSTROWSKI, PE

Senior Project Engineer

Mr. Ostrowski is a senior project engineer with over 16 years of experience in the civil engineering field, working on a wide variety of projects from private retail and commercial developments, to municipal utility work, and construction oversight/inspection. Mr. Ostrowski joined the Sebago Technics team in 2013. Most recently, Mr. Ostrowski completed three construction seasons of on-site inspection work with the City of Portland on various CSO projects. Prior to the construction field work, Mr. Ostrowski was the design engineer for various CSO projects for the City of Portland, with duties ranging from full plan design, preparation of quantity take offs, cost estimates, and specifications for delivery to the Client.

EXPERIENCE

Portland Schools Site Evaluation – Portland, ME
Mr. Ostrowski, as part of a larger project team, reviewed existing schools and ancillary buildings within the Portland School Department. Responsibilities included reviewing existing site conditions and their remaining life expectancy, identifying grading/drainage concerns or deficiencies, and ADA accessibility. Mr. Ostrowski assisted in generating conceptual cost estimates for addressing noted deficiencies or replacement of site amenities at or past their life expectancy.

Thornton Heights Sewer Separation - South Portland, ME
Mr. Ostrowski assisted in the design and bid document preparation for Phase 1 of a three phase sewer separation project in the Thornton Heights neighborhood. Responsibilities included sizing of the storm drain system to accommodate future phase separation, quantity take-offs and cost estimates. Mr. Ostrowski leads the design of the Portland Water District's work in Thornton Heights.

Westside Interceptor Sewer (Capisic Brook) - Portland, ME
While employed at another firm, Mr. Ostrowski served as full-time construction representative to observe the progress and quality of construction. The project included installation of 5,700 feet of 60-inch sanitary sewer pipe using T-Base and conventional manhole structures. Duties included daily observations; preparation of daily, weekly and monthly reports; verification of contractor payment requests; and coordination with City representatives for field changes during construction. The sewer replacement project traversed through Capisic Park, which is designated by the Maine Department of Environmental Protection as an Inland Wading Waterfowl Habitat (IWWH), thus requiring Mr. Ostrowski to closely monitor disturbance limits within the IWWH as well as discuss proposed work and restoration efforts with abutting property owners, Friends of Capisic Park Neighborhood Group, and Portland Trails.

Forest Avenue to Mt. Sinai Cemetery CSO Project - Portland, ME
Mr. Ostrowski was the design engineer for this project which separated the combined storm drainage within the West Side Interceptor sewer into a 42 to 48-inch diameter storm drain which parallels the existing interceptor sewer. Coordination was required with Portland Water District for the relocation of existing infrastructure (16-inch, 6-inch, and 4-inch mains) within Forest Avenue.

Numerous Assignments - Portland, ME
Senior Inspector responsible for part/full-time inspection of roadway and sewer infrastructure improvements from 2010 to 2013 for the City of Portland. Work included utility and infrastructure upgrades for the following roadways; Canco/ Carlyle/Read, Dorothy/Dibiase, Belfort/Commonwealth, Broadway/Lexington, Victor/Vera, Allen/ Auburn/Washington, Alpine/Hillside, and Barltey/Rustic.

EDUCATION

B.S., Civil Engineering
University of Maine, Orono

CERTIFICATIONS

MaineDOT LPA Certified
Recertification April 2014

MEMBERSHIPS

American Society of Civil Engineers

REGISTRATIONS

Registered Professional Engineer:
Maine #11175

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CHARLES D. MARCHESE, PLS

Director of Survey Operations

Mr. Marchese has over 40 years of experience in the land surveying field with an emphasis on boundary and engineering related projects. He joined Sebago Technics in November of 2009 after eighteen years with Civil Consultants as a survey project manager. Since joining Sebago Technics, Mr. Marchese has assisted with field and office duties relating to private, residential and public works projects. In his role as a Director, he continues to manage his survey team and provide the experience and knowledge necessary to provide quality and timely survey work to a wide variety of clients.

EXPERIENCE

During 1991 to 2009 while employed at Civil Consultants, Charlie worked on an assortment of boundary retracement surveys for various government agencies. This work included thirty-three miles of United States Forest Service boundary retracement in Lovell, Stoneham, Gilead and Bethel, Maine. Boundary work for the United States Fish and Wildlife Service comprised surveys for the acquisition of tracts for addition to the many refuges located throughout Maine and New Hampshire. The bulk of this work involved the establishment of the Lake Umbagog National Wildlife Refuge located in Errol, New Hampshire and localities along the shores of Lake Umbagog and its many waterways. This project ultimately surveyed in excess of 30,000 acres for inclusion within the National Wildlife Refuge System.

During the summers of 1994 through 1996 Charlie was the party chief for survey crews working on approximately 30 miles of boundary corridor survey along the Appalachian Trail for the National Park Service. This work involved surveying and monumenting the actual ownership lines of the lands surrounding the trail and other scenic areas owned by the National Park Service.

Charlie was the project surveyor, subcontracted through Sebago Technics, for the boundary and topographic survey associated with the Sanford, Maine site for the new Wal-Mart and Lowe's stores. He was responsible for the layout of the Wal-Mart site for Cleveland Construction throughout the building phase of the project. He has an extensive background in construction layout ranging from residential development to large scale retail and public works projects.

EDUCATION

The University of Maine, Orono, ME

Established 60 credit hours towards Bachelor of Science in Civil Engineering, 1976

Attended Business Administration classes University of Maine, Portland

Annual seminars and meetings pertaining to survey topics current to continuing practice

CERTIFICATIONS

OSHA 10-hour Construction Safety and Health

MEMBERSHIPS

Maine Society of Land Surveyors

National Society of Professional Land Surveyors

REGISTRATIONS

Professional Land Surveyor: Maine #2009

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