

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

JAMES R. SEYMOUR, PE

Senior Project Manager



Mr. Seymour has been with Sebago Technics, Inc. since 1993. His role encompasses management of projects relating to civil engineering designs for private residential and commercial developments, and providing planning and development review services for municipal clients. His specific engineering design experience includes roadways, sewer/utilities, stormwater management plans and permitting, sediment and erosion control plans, State and Federal wetland/environmental permits for residential and commercial developments.

Mr. Seymour has strong experience in providing municipal planning and permitting review services. He has consulted with planning, code enforcement, and public services departments to assist Planning Boards in various roles.

EXPERIENCE



Municipal Planning/Engineering Review Experience:

1998 - 2004: Consulted with the City of Portland, as Acting Development Review Coordinator providing engineering peer review services and onsite construction observations to assure compliance with approved plans.

1998 - 2008: Provided construction monitoring for the Town of Windham with responsibilities of reviewing bonding, stormwater management review, and provided and onsite construction observations/reports.

2008 - Present: Provided the Town of Casco planning services to assist the Planning Board with processing various site/subdivision applications, and prepared ordinance revisions, to the Shoreland Zoning per State requirements, and assisted in instituting a contract zone for Camp Sunshine.

2012 - Present: Mr. Seymour has been the consulting Planner for the Town of Raymond in charge of directing the Planning Board with processing various site/subdivision applications, coordinating new ordinance revisions, and maintains weekly hours at the Town for general planner assistance.

2011 - Present: Mr. Seymour has been the consulting engineer for the Town of Brunswick assisting the Town with peer reviews of site/subdivision applications, and has drafted new ordinance revisions.

2012 - Present: Mr. Seymour has been providing planning and engineering consultation to the Town of Poland on an as-needed basis to assist the Planning Board with plan reviews and drafting ordinances.

The variety of projects that Mr. Seymour has been involved with provides him with a well-balanced technical knowledge of planning and land use development issues and engineering experience. Additionally, his involvement with a variety of clientele gives him a unique and positive insight to successfully communicate and coordinate projects from design to construction stages.

EDUCATION



University of Maine, Orono, ME
Bachelor of Science, Civil Engineering

REGISTRATIONS

Professional Engineering:
Maine #9984

Certified Training for
Hazardous Waste Operations
40 hr. Training Compliance with OSHA
29CFR 1910.120

Certified Professional in Maintenance
and Inspection for Best Management
Practices by Maine DEP and Inclusion on
the Qualified Third Party Inspector List for
the Long Creek Watershed Management
District (May 2011)

MEMBERSHIPS

Former Town of Windham Planning Board
member

New England Sports Turf Manager's
Association (NESTMA)

Scarborough Little League Board of Directors
League - President
2015 to Present



DEREK H. CALDWELL, PE, PTOE

Transportation/Traffic Engineer



Mr. Caldwell joined Sebago Technics in 2016 as a Transportation/Traffic Engineer. He was previously employed by the Massachusetts Department of Transportation as a Traffic Engineer in the District Four office. Derek is a graduate of Worcester Polytechnic Institute with a B.S. in Civil Engineering and also has a M.S. in Transportation Engineering from the University of Massachusetts – Lowell.

He is proficient in the use of AutoCad, ArcGIS, Microstation, Synchro/SimTraffic and Vissim. Since joining the firm he has been actively involved in a variety of projects including traffic impact studies, traffic signal design, traffic signal operations, intersection design, and planning studies.

EXPERIENCE



Broadway at Evans Street and Lincoln Street – South Portland, ME: Design engineer for signal reconstruction project. Project involves two signalized intersections being modified from isolated to coordinated operation. Improvements are to address traffic operational efficiency as well as vehicle and pedestrian safety. Project completed under the MaineDOT Local Project Administration (LPA) program.

Route 108 Corridor Study – Dover, NH: Developed a VISSIM traffic simulation model to compare alternatives along an existing signalized corridor. The model contained multiple scenarios to include both signalized and roundabout traffic control.

Dirigo Plaza Off-Site Improvements – Portland/Westbrook, ME: Design of new traffic signals at five locations as part of mitigation for a major commercial development.

State of Maine Office Building – Augusta, ME: Traffic Impact Study for 125,000 square feet of new office space. Study including the analysis of an existing coordinated signal system.

383 Commercial Street – Portland, ME: Traffic Impact Study for hotel, residential and commercial mixed use development in Portland's Waterfront District. Study included alternatives analysis of proposed traffic signal configurations.

Municipal Peer Review Services– Portsmouth, Dover, Newington, and Somersworth, NH: Provide peer review of roadway plans and traffic studies for various municipalities.

CERTIFICATIONS

IMSA Work Zone Temporary Traffic Control Technician

ACI Concrete Field Testing Technician – Grade I

NETTCP Concrete Inspector

IMSA Traffic Signal Design/Engineering Technician Level II

IMSA Traffic Signal Construction Technician Level II

IMSA Traffic Signal Field Technician Level II

EDUCATION



Worcester Polytechnic Institute
Worcester, MA
B.S., Civil Engineering, 2008

University of Massachusetts - Lowell
Lowell, MA
M.S., Civil Engineering -
Transportation, 2013

MEMBERSHIPS

Institute of Transportation Engineers

REGISTRATIONS

Professional Engineer:
Maine #14400
Massachusetts #52626
New Hampshire #15272
Vermont #127175

Professional Traffic Operations
Engineer #4273



SARAH A. HANF

Civil Engineer



Mrs. Hanf joined Sebago Technics, Inc. in 2017 as a Civil Engineer. With 7 years of experience in the civil engineering field Mrs. Hanf has been involved in a wide variety of projects in Maine and New Hampshire. Sarah has a vast experience within the education sector for primary and secondary schools. She has designed and permitted residential developments for private developers and college universities. Sarah has also been involved in private retail and commercial developments, municipal sewer separations and small roadway projects.

EXPERIENCE



Blueberry Lane Improvements – Falmouth, ME: Civil Engineer/Designer: Led the design team's efforts in coordinating with the Public Works Director and Town Engineer on a full-depth sidewalk reconstruction project with milling and overlay of 2800 LF of roadway in Blueberry Lane. Additional project work consisted of road-side parking spaces, lighting and utility upgrades. Sarah assisted the Town throughout the bidding process. The project is to be constructed this summer.

Bowdoin Park Row Residences – Brunswick, ME: Mrs. Hanf is currently working as a Civil Engineer/Designer for designing and permitting the addition of four three-story apartment buildings along Park Row on the Bowdoin Campus. Proposed site improvements supporting the housing consist of pedestrian walkways, patios, common areas, landscaping, and innovative stormwater treatment areas such as porous asphalt, permeable pavers and meadow basins.

The Residences at Clarks Pond – South Portland, ME: Mrs. Hanf was a lead engineer/assistant for designing and permitting a residential community consisting of four six-story residential buildings. Project work included site and parking layout, site circulation, and designated common areas. The proposed community had very particular requirements for utilities and it was determined that the use of subsurface soil filters would be needed for treatment due to site restrictions and portions of the property belonging to the Portland Water District.

Ottawa Road – Sewer Separation – South Portland, ME: Mrs. Hanf assisted in the phased sewer separation project in South Portland. Responsibilities included disconnecting foundation drains, trench drains to eliminate inflow, and repairing damages to reduce infiltration into the existing sanitary sewer system. Project work involved lining sewers mains, manholes, and repairing lateral connections, where damages were noted from video surveillance. Other project work involved drainage improvements, utility upgrades and resurfacing existing roadways.

Waterpark Expansion Phase II, Funtown/Splashtown USA - Saco, ME: Performed extensive site and stormwater drainage design and analysis for a water park expansion that included the addition of a restroom facility, restaurant, group event area, six new water slides, and a concrete deck for additional seating and lounging to obtain state environmental permitting. Project included careful selection and design of stormwater treatment in order to maximize usable space within the project boundary. Treatment included porous pavers, grassed underdrained soil filters and bioretention cells. Construction observation and construction administration tasks were also performed.

Falmouth Elementary School - Falmouth, ME: Civil engineer/design assistant for multi-year, multi-phase project including the complete redevelopment of an existing school campus and the construction of a 139,000 sf elementary school, including parking, circulation, community connectivity, and athletic fields. Site development constraints necessitated the use of innovative use of stormwater treatment methods to meet State requirements for stormwater runoff. Services included site selection and design, environmental permitting, creation of bidding documents, and construction administration.

EDUCATION



University of Maine, Orono, ME
Bachelor of Science,
Civil & Environmental Engineering
2007

CERTIFICATIONS

Maine DEP Certified BMP Inspector
(Pending)

MEMBERSHIPS

American Society of Civil Engineers
(ASCE)

SKILLS

AutoCAD – Civil 3D, HydroCAD,
SWMM Modeling, HEC-RAS



DANIEL M. DANVERS

Landscape Designer



Mr. Danvers joined Sebago Technics, Inc. in 2017 as a Landscape Designer. Dan graduated from The University of Rhode Island with a degree in Landscape Architecture. Mr. Danvers previously worked at a landscape design-build firm in Rhode Island, where he worked on design teams to complete residential and commercial projects while managing construction and horticulture crews. Dan also has experience with concept drawings, planting plans renderings, construction documents, and attending Town meetings.

Dan is skilled in SketchUp, Adobe Suite, and has over 10 years working with AutoCAD.

EXPERIENCE



Residence - South Portland, Maine

As a part of a larger team Dan designed hardscape and landscape elements for a coastal residence in South Portland.

Summer Camp and Recreational Facilities - Auburn, Maine

Developed a master plan concept for a woodland camp for the YMCA. Included sports fields, outdoor classrooms, pool, accessible hiking, and mountain biking trails.

Hop Yard- Arundel, Maine

Designed a site plan for a hop yard, brewery and distillery in Arundel. Including circulation, crop, and building studies for the client.

Single Family House - Portland, Maine

Sited, graded, and prepared permit drawings for a single family house lot in Portland.

Car Dealership - Scarborough, Maine

Developed a site plan, conceptual grading, and application documents for a car dealership in Scarborough.

CMCC Field Enhancements - Auburn, Maine

Generated a 3D fly-over and renderings of proposed work on campus.

Days Inn - South Portland, Maine

Performed analysis and conceptualization of site improvements and re-development of the existing hotel.

Apartment Complex Landscape - South Portland, Maine

As a part of a larger team, developed planting plan and landscape drawings for a proposed apartment complex in South Portland.

EDUCATION



University of Rhode Island
Kingston, RI

Bachelors of Landscape Architecture
2014

CERTIFICATIONS

Rhode Island Certified Horticulturist
Rhode Island Nursery and Landscape
Association, 2015

Certified Invasive Manager
Rhode Island Coastal Resource
Management Council, 2016

AFFILIATIONS

Rhode Island Nursery and Landscape
Associations, Executive Board
Member 2016 - 2018

American Society of Landscape
Architects 2012 - Present

Portland Society of Architects
Member 2017 - Present

Maine Chapter of the American
Society of Landscape Architects
2017 - Present



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

