



The Connecticut Surveyor

February 2016

Volume 22, Issue 2

Connecticut Association of Land Surveyors
78 Beaver Road, Wethersfield, CT 06109

CALS own Rick Howard running for Vice President of NSPS



The NSPS Nominations Committee has presented the list of candidates for the offices being contested this year. The offices of NSPS President-elect and Vice President are the only ones on the ballot. Recent NSPS Bylaws changes extended the terms for the Secretary and Treasurer positions. The current NSPS President-elect accedes to the office of President.

Running for office are: Jan Fokens (President-Elect) along with Kim Leavitt and Rick Howard (Vice President). The election will be conducted primarily online, but will include mailing of ballots to members for whom NSPS has no active email address.

If you have not received your ballot please contact Trisha Milburn at trisha.milburn@nsp.us.com.

The last day to vote is February 12, 2016.



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www.ctsurveyors.org
email: kathy@ctsurveyors.org
tele. 860-563-1990

Professional Development

Survey Courses at Three Rivers Community College Reinstated

Many of the program changes at Three Rivers Community College have gone through, but the administration has decided to reinstate the survey classes (under the architecture umbrella), starting in the Spring.

Survey I w/Lab will be offered Mondays and Wednesdays from 1-3:45. Very few seats remaining.

Spring Classes at Central Connecticut State University

EGR 410 01 Boundary Law starting mid January 2016, 15 weeks. Charter Oak State College, on-line college. Cost approximately \$1,000 + book. This course is offered on-line only.

CE 458 70 Introduction to GPS with GIS Applications, starting late January, 2016, 3-week, on-line course. Saturdays 8am-10:40am, includes module on AutoCAD Map 3D GIS software. 3 credits.

This course covers GPS with GIS and Surveying applications. Students will utilize AutoCAD Map 3D to develop GIS maps using GPS receivers.

Cost of course \$1,450 plus cost of textbook. Contact Jay Doody at jjdoody@snet.net for more information on the above courses.

University of Connecticut

Geodesy - Dr. Thomas Meyer and Kevin Franklin, L.S.

Introduction to GIS - Dr. Thomas Meyer and Kevin Franklin, L.S.

For more information contact Dr. Meyer at thomas.meyer@uconn.edu.

Surveying Education at the University of Maine - Did You Know

Veterans can enroll in the University of Maine surveying program and pay in-state tuition regardless of their state residency.

Contact Knud E. Hermansen, P.L.S., P.E., Ph.D., Esq., Professor
University of Maine - 207-581-2168, for more information.

Charter Oak State College

EGR 410 "Boundary Law" Classes begin January 19, 2016. On-line course, 3 credits, includes 15 weeks of study in an in-depth examination of boundary law for land surveyors, based on the textbook "Evidence and Procedures for Boundary Location" by Robillard et al.

Cost is \$1,050, with textbook. Contact Jay Doody at jjdoody@snet.net



Professional Development Seminars

Revised ALTA Land Title Survey Requirements

The American Land Title Association (ALTA) was founded in 1907 and is the national trade association and voice of the abstract and title insurance industry whose members search, review and insure land titles to protect home buyers and mortgage lenders who invest in real estate. ALTA and the American Congress on Surveying and Mapping (ACSM), now the National Society of Professional Surveyors (NSPS) established its first set of Standard Detail Requirements for Survey drawings in 1964. These instructions were established to nationally standardize the requirements for survey drawings that were to be used for ALTA loans. Updates to the requirements often occur every four-to-six years. The last recent revision took place in 2011 in conjunction with NSPS. Notable changes implemented included:

- Requirement to reference a title report on the Certificate of Survey
- Requirement to include Standard ALTA Certification
- Greater attention to offsite easements and servitudes
- Changes to the Table A items for Optional Survey Responsibilities and Specifications.

An ongoing revision has been completed and will become effective February 2016. Gary Kent, chair of the NSPS committee on the ALTA Standards has agreed to come to Connecticut on April 19, 2016, and present a full day seminar on these new changes.



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- **Friday, February 19, Basic Survey Math for Technicians I,**
Presented by Rachel Dearborn, PLS, 10am-2pm \$125
 - **Wednesday, February 24, CT Minimum Standards for Land Surveyors,**
Presented by Bob Dahn, PLS 8:30am-4pm, \$200
 - **Friday, March 4, Basic Survey for Technicians II,**
Presented by Rachel Dearborn, PLS, 10am-2pm \$125

All classes will be held at the ITBD, New Britain, CT. Classes are for members only.



Harvard's Find of a Colonial Map of New Jersey Is a Reminder of Border Wars

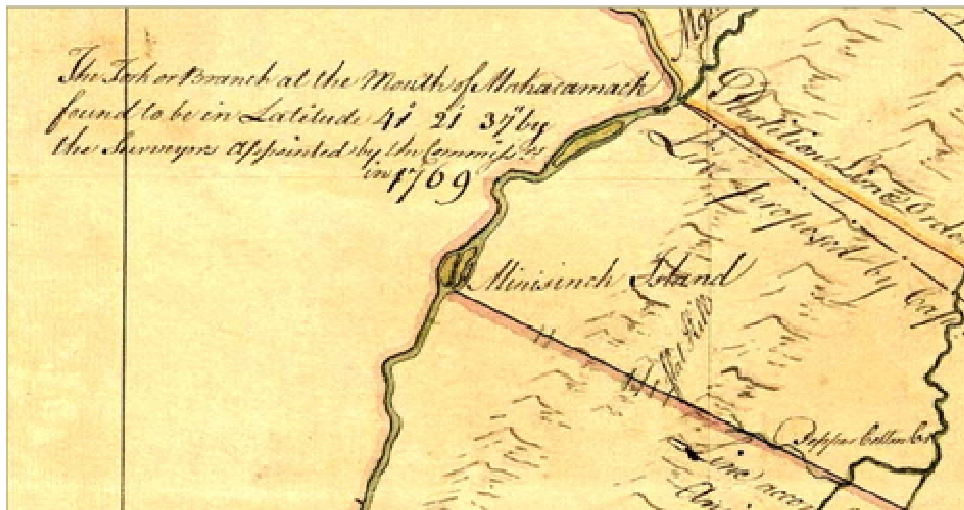
By JENNIFER SCHUESSLERJAN. 1, 2016, New York Times

The border wars between New York and New Jersey have seen fierce fighting over the years, from actual shots fired in the 18th century to trash-talking and legal wrangling over the ownership of Ellis Island almost into the 21st. Now, a librarian in the neutral territory of Massachusetts has uncovered a long-lost document from those tangled disputes: a hand-drawn map that may be the earliest surviving one showing New Jersey's northern border where it is today.

See ([http://iiif.lib.harvard.edu/manifests/view/drs:51656614\\$1i](http://iiif.lib.harvard.edu/manifests/view/drs:51656614$1i))

The map, which is owned by Harvard University, was created by the celebrated colonial surveyor Bernard Ratzer in 1769, at the re-

quest of a royal commission charged with settling the long-burning northern border dispute once and for all. It was found by John Overholt, a curator of rare books and manuscripts at the university's Houghton Library, rolled up in a container and stacked with some uncataloged material. "I pulled it out just enough to get a sense of what it was and saw the name 'Ratzer,'" Mr. Overholt said. "I thought, gosh, this must be something important."



The newly uncovered New Jersey map, with its dense web of annotated alternate boundary lines for the northern border, may not

And after more than a year in a conservation lab, the map, which measures about 63 inches by 32 inches, has been digitized as part of a broader effort to put Harvard's [colonial North America manuscript material](http://library.harvard.edu/colonial) online (<http://library.harvard.edu/colonial>).

Ratzer is known as a maestro of early American maps. When an ultra-rare copy of his famous 1770 map of New York City turned up at the Brooklyn Historical Society in 2011, the discovery was front-page news.

have the same immediate eye-candy appeal. (It does not address disputes over New Jersey's coastal borders.) But experts say it offers another glimpse of Britain's attempts, on the eve of the American Revolution, to get its colonial house in order, cartographically speaking.

Continued on page 7...

Harvard's Find of a Colonial Map of New Jersey Is a Reminder of Border Wars Continued...

The New York-New Jersey border dispute is one of the great rabbit-holes of American cartographic history. Confusion reigned almost from the beginning, thanks to a 1665 charter that, among other puzzling features, defined New Jersey's northern boundary in relation to a branch of the Delaware River that no one could definitively locate...

A royal commission to settle the northern boundary was declared in the 1760s, with Ratzer, a British Army officer, hired to do the surveying. The original copy of his hand-drawn map was presumably sent to the commission in London, but Mr. Overholt said he has been unable to determine if it survives in British archives.

The map at Harvard, he said, appears to be a copy prepared for New York's representatives to the commission, to rebut any appeal by New Jersey. It includes the border as surveyed by Ratzer as well as lines indicating alternate boundaries, including one showing the New Jersey-friendly "pretended settlement of 1719" — loaded language presumably added by New York's representatives, Mr. Overholt said — and another giving New York a large chunk of present-day New Jersey.

The Harvard map includes a notarized statement from Ratzer attesting that it was an accurate copy of his original for the commission, plus the additional lines. That same statement, Mr. Overholt said, is on a printed version of the map that appears in a rare 1770 pamphlet summarizing the controversy.

"Our map is clearly the source," Mr. Overholt said. (Ratzer's map also became the basis for more widely distributed [engraved maps](#) of New Jersey published later in the 1770s.)

The New York and New Jersey legislatures approved the compromise border in 1772... The Harvard map may not revive the border wars. But Mr. Overholt said it was a welcome reminder of the political nature of cartography. "All maps are ideological statements about the world," he said. "It's really helpful to have a map where that's so obvious."



CREW CT – The Real Estate Exchange Elects 2016 Board of Directors

Elected **President** is **Jennifer Marks, Principal at BL Companies**. Additional officers are:

President-Elect/National Delegate: Courtney Hendricson, Vice President of Municipal Services, Connecticut Economic Resource Center (CERC)

Secretary: Katie Pelczar, Director, Acquisitions at UBS Global Asset Management

Treasurer: Melissa Ferrucci, Senior Manager, CohnReznick

National Delegate: Pamela Torsiello, Asset and Accounting Manager, Chestnut Realty Management

Past President/Sponsorship Chair: Janet Wheeler, Manager, Space Planning and Utilization, University of Hartford

Jennifer Marks, Principal at BL Companies is a licensed surveyor with over 30 years of experience in the commercial real estate and energy industry. BL Companies is an employee-owned firm delivering integrated architecture, engineering, environmental and land surveying services to public and private clients for land development, building design and infrastructure projects. Marks serves clients throughout the Northeast and Mid-Atlantic and leads business development activities for the company. In addition to her involvement in CREW CT, she is a member of Professional Women in Construction and the Connecticut Association of Land Surveyors.



The book is called Opportunity and its first chapter begins today.



**NSPS/MAPPS 2016 Spring
Conference/Business
Meetings March 14-18, 2016
Hilton Hotel, Crystal City (Arlington), VA**

Conference registration will include breakfast, lunch, and breaks on each day for which one is registered. Registration options are being developed, and will soon be posted.

Some highlights for the program schedule include:

Monday March 14:

- NSPS Student Competition – Chair James Sens may be looking for judges
To date, 13 four-year programs have expressed interest, as well as 2 two-year programs
General Sessions - Not yet assigned

Tuesday March 15:

- Exhibit Hall all day
- Mock Trial all day – Gary Kent
- Federal Agency briefings
- Reception in the evening

Wednesday March 16:

- Capitol Hill Day
- Exhibit Hall breakfast; exhibitors break down after breakfast
- 2016 ALTA/NSPS Standards workshop all day – Gary Kent
- Presentations

For a complete schedule visit <http://www.surveyingandmapping.net/program.html>.



CALS 2016 Memorial Scholarship

Established in honor of the following members:

- **Harry E. Cole – 1909-1984**
- **Oliver H. Paquette – 1931-1992**
- **William G. Berglund – 1918-1989**
- **William W. Seymour – 1947-1998**

The Connecticut Association of Land Surveyors is pleased to offer annual scholarships to deserving students of surveying.

To qualify an applicant must:

- 1) Be a resident of Connecticut.
- 2) Be enrolled in a program leading to a BS, AS or Certificate program in surveying, or a student in a BS or AS program who has a proven record of surveying employment, as evidenced by letters of recommendation from his or her employer.
- 3) Show an interest in being a part of the surveying profession.
- 4) Students must be in their BS program junior or senior year, or AS second year.

Please submit a statement outlining qualifications, together with a transcript, resume, and other pertinent information to:

CALS SCHOLARSHIP COMMITTEE
C/O JAY DOODY
49 ARLINGTON STREET
WEST HAVEN, CT 06516

The deadline for applications is June 1, 2016



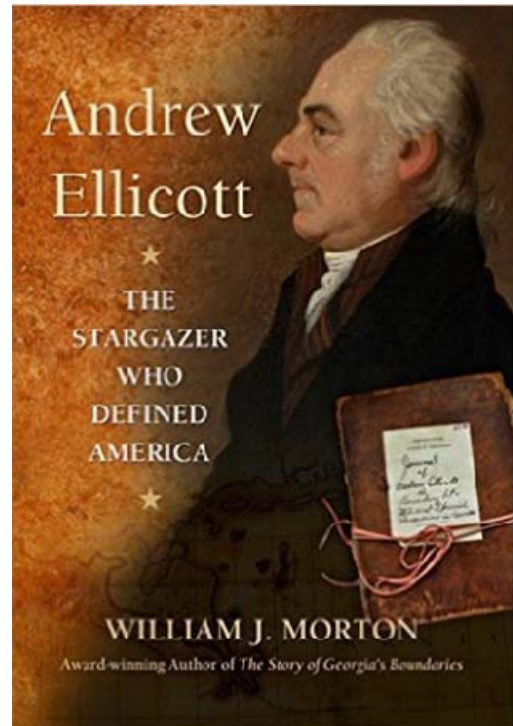
The Stargazer Who Defined America

By William J. Morton

This story is an important piece of American history and tells of a four year venture that fell on the shoulders of one man. His success would make a huge difference in the security and commerce of the struggling United States. The story involves the complex details of diplomacy in dealing with the dilatory Spanish, the technical and physical problems of measuring and marking a 530 mile line through dense woods and swamps and interacting with angry Indians through whose property they were trespassing.

Andrew Ellicott was a second generation Pennsylvanian who served as a major in the Maryland Militia during the Revolutionary War. Without much of a formal education, he became the most famous astronomer-surveyor in America. Ellicott surveyed all of Pennsylvania's boundaries and would eventually survey the boundaries of thirteen states, more than anyone before or since. President George Washington and Secretary of State Thomas Jefferson asked Ellicott to survey the ten square mile District of Columbia and he worked with Pierre L'Enfant, the architect of the City of Washington, to survey many of the boulevards and squares in the new federal capital. However, Ellicott's most ambitious task was in surveying the first international boundary line of the United States.

Rather than a biography, *Andrew Ellicott: The Stargazer Who Defined America* is a close study of this unquestionably major achievement—the monumental United States/Spanish survey dividing the thirteen original states from the property owned by His Catholic Majesty, Charles V of Spain. This story provides a stunning record of a critical moment in American history. The dramatic stories of Ellicott's four-year-long efforts are the stuff of fiction. Here are adventures into unknown territory fraught with physical hazard and personal danger, encounters with hostile Indians, Spanish spies, and a cast of remarkable characters. Revealed in his letters home, there is also a warm tale of spousal devotion despite his having a washerwoman as a mistress.



The book is called Opportunity and its first chapter begins today.

CALS Says Goodbye to a Surveyor



Ellington, Ct – Robert R. “Bob” Messier, 69, of Buff Cap Rd, died Thursday January 7, 2016, at St. Francis Hospital. He was the loving husband of Dolores (Magao) Messier for 49 years. Born in Putnam, Connecticut, he was the son of the late Theodore J. Messier Sr. and Lillian (Briere) Messier.

Bob was a 1970 graduate of Northeastern University. He co-owned and operated Messier & Associates Civil Engineering & Land Surveying and was a member of the Connecticut Association of Land Surveyors. He was a communicant of St. Edward the Confessor Church in Stafford Springs, CT.

Bob enjoyed spending time with his family, reading and working in his yard.

In addition to his wife, Bob is survived by his son, Michael R Messier of Ellington, CT; his daughter, Tammy Quinn of Windsor, CT; his sister, Carol A. Rodriguez of Ann Arbor, MI; and his grandson, Alex Quinn; Bob is predeceased by his brother, Theodore J. Messier, Jr.

Memorial donations may be made to the Connecticut Association of Land Surveyors, 78 Beaver Road., Wethersfield, Ct 06109.

For memorial guestbook visit [www. GilmanAndValade.com](http://www.GilmanAndValade.com)





February

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 Ground Hog Day 	3	4	5	6
7	8	9	10	11	12 Last day to vote in NSPS election	13
14 	15 	16	17	18	19 CALS Basic Math I Seminar	20
21	22	23 New ALTA Regulations take effect	24  FLAG DAY Minimum Standards Seminar	25 CALS Board of Directors Meeting	26	27
28	2 ^o  It's a Leap Year!					

The book is called Opportunity and its first chapter begins today.

Classified

Fairfield County

- Immediate Need for multiple positions at a relaxed and friendly land survey firm. Positions include:
 - **Entry Level Field Surveyor** (willing to train the right candidate)
 - **Experienced Party Chief** with research and AutoCAD abilities.
 - **Survey/Field Technicians** to join the Redniss & Mead Team of Land Surveying, Civil Engineering, and Land-Use Planning professionals in a growing firm located in Fairfield County, CT. Candidates should have 3+ years experience in the surveying field and experience in the processing and preparation of all types of surveys, including boundary surveys, topographic surveys and construction layout. Knowledge of AutoCAD and Data Collection is required. Responsibilities include performing fieldwork, processing and mapping of fieldwork, coordination with clients and in-house staff. Work for this position will be on a variety of project types including residential, commercial and institutional. For consideration, please forward your resume to Lawrence W. Posson, PLS, Director of Surveying: L.Posson@rednissmead.com. We are an Equal Opportunity Employer and offer a competitive compensation package including salary, medical benefits, paid vacation, paid holidays, performance bonuses, 401K retirement plan, direct deposit, and a health club membership.
-

Pereira Engineering, LLC is an established Civil/Environmental/Land Surveying firm located in Shelton, CT and we are looking to fill the following position:

- **Civil Engineer** - experienced in various types of site development projects including residential, commercial, and municipal projects. Responsibilities include the design of site layouts, subdivisions, septic systems, storm and sanitary sewers, storm water management systems, grading, roads, and hydrologic/hydraulic studies. Duties will include preparation of plans, specifications, and calculations as well as coordination with other design professionals and public officials.

Qualified candidate must have a B.S. in Civil Engineering from an accredited engineering program and must be proficient with AutoCAD Civil 3D and other commonly used design and drainage analysis software. Candidate must be organized, highly-motivated, and detail-oriented.

Pereira Engineering offers a very competitive salary and benefits package including Major Medical Insurance, 401(k) Profit Sharing Plan, Life Insurance including Short-Term Disability and AD&D coverage, paid Vacation, Holidays, Sick Days, Direct Deposit for payroll, and a Health Club membership. Please email resume and salary requirements to: joe.pereira@pereiraeng.com or fax to: (203) 944-9945.

- **CAD Technician** with Land Surveying Experience.
Full time for Civil Engineering/Surveying company located in Greenwich, CT.
Preferred 5 years experience. Excellent salary and benefits.
For more information contact risoli@optonline.net.
-

Classified

Hartford County

- **Surveyor** - Loureiro Engineering Associates, Inc. (LEA), an employee owned, full-service multi-disciplinary engineering and construction firm located in Plainville, CT. has an immediate opening in our Civil/Survey division for a Surveyor.

Key responsibilities are related to experience in boundary work, deed research, topographic surveys, utility mapping, and construction layout.

Requirements include 3-5 years related experience, good communication and team skills. GPS, Robotic Total Station, and AutoCAD experience a plus.

We offer a competitive salary and comprehensive benefits package. Apply online to Resume@Loureiro.com; by fax (860)-410-2993; or mail to- Loureiro Engineering, Attn: Human Resources, 100 Northwest Drive, Plainville, CT. 06062. EOE/AA

New Haven County

Milone & MacBroom, Inc. is a growing multidisciplinary engineering, planning, landscape architecture, and environmental science consulting firm. Our corporate office is located in Cheshire, Connecticut with satellite office locations in Maine; New York; Massachusetts; and Vermont.

- **Survey Field Technician** - We are looking for talented Survey Field Technicians (Rod Person) to join our Survey team and perform field boundary, topographic and construction surveys for various projects in the New England area.

The candidates should have zero to two years experience in land survey field work, knowledge of field instruments and proficient computer skills required. College degree and CAD experience preferred. Excellent oral and written communicative skills required.

All candidates should have a strong work ethic, enjoy working outdoors in a technical capacity, working I individually or in a team, willing and eager to learn, and looking to take on more responsibility.

We offer a competitive salary, opportunity for advancement, a comprehensive benefits package, and a flexible and positive work environment. Our success depends on attracting the best talent and continuously striving to improve what we do and how we do it. There are no barriers to where your talent can lead you.

Interested applicants may submit their resume to:

Pamela Harris, Human Resources Manager
Milone & MacBroom, Inc.
99 Realty Drive
Cheshire, CT 06410
pamh@miloneandmacbroom.com, Tele. (203) 271-1773

Milone & MacBroom, Inc. is an Affirmative Action/Equal Opportunity Employer, M/F/D/V

Classified

New Haven County continued...

- **Instrument Person** - We currently have an opening for an Instrument Person in our Cromwell, CT office. Practical knowledge of land surveying practices is required. Skills in using total stations, GNSS equipment, robotic instruments and data collectors a plus. Applicants should have the ability to travel for work. A high school diploma or equivalent is required. A minimum of three (3) years of survey experience is preferred. OSHA 40 hour training and OSHA construction certificate a plus. All successful applicants will have background checks, will be drug tested and will be subject to random testing throughout the year. An Affirmative Action/Equal Opportunity Employer. Please send resumes to : contact@lrconsult.com

Tolland County

- **Party Chief - Field**— Rob Hellstrom Land Surveying LLC
Family owned, full-service Surveying/Engineering Firm. Immediate opening; Boundary, Topo surveys & construction layout. Experienced Field Crew Supervision. GPS, Carlson, CGS & AutoCAD experience a plus. Resume by email; robbs44@aol.com, mail; Rob Hellstrom Land Surveying LLC, PO Box 497, Columbia, CT 06237 or phone direct for details 860-228-9853.



"On the plus side there's no evidence of asbestos."

PLEASE SUPPORT YOUR SUSTAINING MEMBERS



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evan.cooper@bearingstar.com

BERNTSEN INTERNATIONAL

Survey Markers & Monuments
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Tim Klaben-800-356-7388
tklaben@berntsen.com

CADNET SERVICES, LLP

**IT Infrastructure &
CAD Technology**
Manchester, NH

Rick Ladd – 603-296-2376
www.cadnetservices.com
Rladd@cadnetservices.com

CAMILLERI & CLARKE An Affiliate of SMITH BROTHERS INSURANCE

Glastonbury, CT
Scott Smith - 860-430-3287
ssmith@smithbrothersusa.com

CARLSON SOFTWARE

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www.carlsonsw.com
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& Supplies**

Newington, CT
Tim Lagosh - 860-666-8573
tim@dpcct.com

EASTERN TOPOGRAPHICS

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Wayne Kelloway - 603-569-2400
wkelloway@e-topo.com

FENNER & ESLER AGENCY

**Professional Liability for
Engineers & Surveyors**
Oradell, NJ

Timothy P. Esler - 201-262-1200
tpesler@gmail.com

GEOMAPS INTERNATIONAL

Aerial Photogrammetry Services
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William Crawbuck - 516-827-9100
billc@geomapsintl.com

GOLDEN AERIAL SURVEYS

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Lenny Johnson - 203-426-3322
lgjohnson@goldenaerialsurveys.com

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ebieler@keypre.com
Paul Carver, Manager - 888-443-9840

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Mike Gage - 800-322-5003
mgage@maintechnical.com

BL FINANCIAL ARCHITECTS

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& Disability**

South Windsor, CT
John Carbone - 860-432-1991 x355
jcarbone@blfinagrc.com

REYNOLDS STRATEGY GROUP

Counselors at Law
West Hartford, CT

Kevin Reynolds - 860-308-2388
kreynolds@rsgllc.com

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