



The Connecticut Surveyor

Volume 19, Issue 1

Surveyors plumb for work

Written by Gregory Seay for the Hartford Business Journal 12/9/2013



Enfield land surveyor/business owner David J. Palmberg, right, with employee David Fortin at a Bloomfield commercial site. Palmberg and his Connecticut peers are seeing light at tunnel's end in demand for their services, paced by new construction and redrawn flood-insurance

end of what some describe as a long, dark tunnel, that still has too many of them chasing too few projects for limited fees. Hiring is almost nil.

"It's nothing like it was in 2000, I'll tell you," said Enfield's David J. Palmberg, a second-generation surveyor who presides over the Connecticut Association of Land Surveyors. "There's a lot more competition."

What business exists, said Palmberg, who runs William R. Palmberg & Son LLC, the firm his father started in 1971, is spearheaded largely by commercial development, including neighborhood retail centers, restaurants, medical offices and apartments. All communities in Connecticut and elsewhere typically require a valid survey of a tract before they will allow it to go forward to zoning or wetlands review.

They are akin to canaries in the coal mine when it comes to land development.

Well before a building project's first shovel of dirt or structural framing is set in place, land surveyors — many equipped with the latest digital and laser- and satellite-guided tools — trace property boundaries, map site topographies and tag all of a landscape's natural and manmade elements.

As demand rises or falls for new and renovated houses, commercial buildings, roads and other public works, so goes the land-survey industry.

But after a rocky trek dating back more than a decade, Connecticut's surveyors say they are seeing light at the

Inside this issue:

| | |
|--------------------------|----|
| Surveyors plumb for work | 1 |
| Continuing Education | 4 |
| Professional Development | 5 |
| NSPS | 6 |
| Calendar | 10 |
| Watch us grow | 12 |
| Classified | 13 |

Continued on page 2...

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Surveyors plumb for work continued...

Land Surveyor Census

Number of Licensed Land Surveyors in Connecticut

2009 - 751

2010 - 742

2011 - 733

2012 - 722

2013 - 718

Those are followed closely, he and other surveyors say, by growing engagements from mortgage borrowers and lenders in response to new flood-insurance requirements prompted by redrawn federal maps showing more Connecticut shoreline properties prone to deluge.

Connecticut surveyors' recent annual meeting at Portland's St. Clement's Castle drew some 400 attendees from as far as New York and Vermont, many of whom shared the same lament.

"Some people are busier than others," Palmberg said.

Entering the slack period when frigid temperatures and snow cover limit their field work, most, including Palmberg, are setting sights on spring, when hopefully the economy may finally lift surveyors and the rest of the economy from the doldrums.

"It's been up and down, peaks and valleys for everybody," he said.

This year, the state Department of Consumer Protection sent out annual renewal notices to 712 licensed surveyors, down from 733 in 2011 and 751 in 2009, said Michael Elliott, the agency's director of license services.

But there are some bright spots. Commercial projects planned before the economy tanked as early as 2007 and languished since are sputtering to life. One was the recent opening of LongHorn Steakhouse, erected on a pad site fronting Enfield Square Mall.

Peter DeMallie runs Design Professionals Inc. (DPI) in South Windsor, whose services cover land surveying, civil engineering and landscape architecture. The headwinds his firm had encountered, particularly for survey work, appear to be ebbing, DeMallie said.

"It's been improving to the degree that people who had been on the sidelines — developers, builders — are coming back into the market," the former South Windsor town planner said. "We're expecting either 2014 or 2015 will be the first of many successive years of a normal business environment."

Meantime, his firm's more than \$20,000 capital investment in satellite global-positioning systems hardware and software, and for "total stations" — the tripod-mounted digital optics to gauge boundaries and measure distances — means DPI can perform its pre-crash workload with fewer people. Surveyors earn between \$18 and \$50 hourly, depending on experience and licensure.

Also, the establishment of the new Bradley International Airport industrial zone portends fresh commercial and public-works survey assignments in Windsor Locks as well as neighboring Granby and Suffield, surveyors say. The state of Connecticut, too, has provided a trough of survey opportunities. Its primary public-land steward, the Department of Energy and Environmental Protection, regularly contracts with surveyors to set or verify boundaries and easements on its 250,000 acres or so of parks, forests and other open space.

Surveyors plumb for work continued...

The surveys enable DEEP to identify encroachment or other illegal incursions onto public property, said agency land-management director Graham Stevens.

"We probably have more neighbors than any other property owner in Connecticut," Stevens said.

For instance, DEEP this year spent about \$40,000 on survey work tied to resolving two separate boundary disputes, the agency said. It also contracted for \$50,000 of survey work associated with 312 acres it acquired.

Over the last five years, DEEP says it has paid around \$75,000 to \$125,000 annually for survey work on acquired lands. Another \$25,000 to \$50,000 yearly was spent over the same period on surveys to settle boundary disputes and encroachments.

Other state land holders, including the transportation department, plus municipalities, water companies and nonprofit land trusts, too, rely on surveyors. Communities also are budgeting more for new schools, firehouses, roads, sidewalks and other public-works projects that will require survey services, surveyors say.

But nowhere have surveyors been busier than on the storm-ravaged Long Island shoreline, authorities say.

New flood-zone maps out last August covering Connecticut shoreline private and public landowners have had "a big impact on our business," said Jeff McDougal, president/owner of Darien land surveyor William W. Seymour Associates.

Revised federal policies mandate that starting in four years, the cost of flood insurance will more realistically reflect a property's true risk of flood damage, McDougal said.

As a result, he said, surveyors must now tally different floor elevations of a house or building, including basements, for any property owner who applies for the first time for flood insurance, or existing policyholders who apply for mortgage refinancing.

McDougal said his firm, too, is busy conducting, based on new flood maps, shoreline property surveys for DEEP and the Army Corps of Engineers, as well as marinas and private dock owners.

"It's more of a boon than it's been in the last 15 years," said McDougal, who has spent 35 years as a surveyor.

His firm is up to 10 staffers, including three licensed surveyors, allowing him to field three two-person crews at a time.

Survey billing typically varies with the project, but can run from a flat fee of \$1,000 or so and climb close to five digits, depending on the level of engagement the client requires, officials say. That might include even more detailed surveys across multiple properties, to doing public presentations of their results to local land-use boards.

DeMallie, of South Windsor, says that despite rising health care expenses, taxes and other overhead, the survey market hasn't improved enough to sustain fee increases. He laments losing his rock-bottom bid for a job in which a rival was willing to accept an even lower fee.

"It's not as competitive as you'd think," McDougal said, noting practically no new surveyors have come on stream due to the economy. However, he said he expects that to change as the economy and survey demand gain steam.

Meantime, a roiling stock market also has ignited a fresh wave of construction of "mega-mansions" in wealthy communities along the Connecticut shoreline that McDougal hopes won't end anytime soon.

"They don't call it," he said, "the 'Gold Coast' for nothing."



CALS AND CONTINUING EDUCATION CREDITS



John J. Doody, L.S., P.E.
Chairman, CALS Professional
Development Committee

As the professional organization representing land surveyors in Connecticut, CALS has the ability to assign Professional Development Hours (PDH) or Continuing Education Units (CEU) to seminars/webinars that it produces or sponsors. Because Connecticut does not require PDHs for land surveyors this has no meaning for CALS members that only possess Connecticut registration. However, as a service to our members that possess dual licenses, the Professional Development Committee has researched the requirements in New York and the 5 other New England States, and makes a concerted effort to assign PDHs or CEUs in the form accepted by each of these states.

Maine and Rhode Island use the PDH system for professional seminars and CALS polices its own assignment of contact hours for these states. New Hampshire has become a state that will accept CALS' awards of contact hours as CEUs. Their definition of a CEU is ¼ PDH. In Vermont, seminars must be approved in advance by the VT Board of Registration, and CALS sends that package to Vermont for every professional seminar. Vermont uses the PDH as their unit of continuing education. In the case of New York, CALS must purchase a three year vendor license from the NY Board

of Registration for \$900. Pre approval is not always required but if it is sent in, there is a set format that the request must be presented in. In New York the CEU is valued at one tenth of a PDH. In the past, our seminars have had some additional attendance from NY land surveyors. If you have a dual license with NY and have found this service desirable you should attend our seminars and let CALS know of your use of this service. If this \$900 expense is not visibly benefiting our members, it could be eliminated when renewable comes up this August.

The Professional Development Committee evaluates whether a seminar or webinar meets the requirements for professional level continuing education. PDHs are not issued for survey technician and exam preparation seminars. Business related seminars, particularly at the annual meeting do not qualify for continuing education credits. Care must be taken that CALS seminars are not so state specific that other states might find it does not meet the continuing education requirements of their state. One well known example of a seminar in Connecticut that would not be accepted in Vermont is the topic of tidal datums. Vermont is landlocked and does not recognize seminars in tidal surveying as applicable for their professional development requirements.

Along with the power to issue professional development hours comes the responsibility to follow the reporting and administrative requirements of the other states. This requires certification of attendance at seminars, sending out certificates of attendance for member records, collection of evaluation data from attendees, and the keeping of those records in case of a request for review from other state boards of registration that require professional development hours. CALS makes this effort for its members. Only CALS members in good standing can attend our seminars. Non-members must join CALS in order to attend a seminar that interests them. Finally, CALS has an obligation to its members not to lose money on seminars. The net proceeds from seminars are shared between the CALS Scholarship Fund (25%) and the CALS General Fund (75%).

Why is attendance at CALS professional development seminars lacking? Out of over 500 members, seminar attendance is under 20 members in most cases. It is not the responsibility of the Professional Development Committee to try to discover the seminar needs of its members. If you have a seminar that you would attend and CALS is not offering it, please contact the chair of the committee, Jay Doody at jjdoody@snet.net and tell him what you would like to see presented. In that way, professional developments events will become bigger and better, and CALS will be seen as fostering an atmosphere of robust voluntary continuing professional development.



Professional Development

Are you looking to add new GIS skills to your portfolio?

CCSU's Department of Geography and Office of Continuing Education is offering a GIS certificate in 10 months! Start in February and finish in December with a break in the summer. The program is designed for professionals seeking to enhance their knowledge and skills in GIS or for the beginner with a desire to learn. Visit: <http://www.ccsu.edu/page.cfm?p=8665> or email Christa Sterling csterling@ccsu.edu.

UNIVERSITY OF MAINE MASTERS DEGREE PROGRAM IN SURVEYING

The University of Maine on line SVT master's program is scheduled to begin the Spring semester began on January 13, 2014 and will end in May of 2014. The dates for the Fall semester have not been determined.

SVT 532 Survey Strategies in Use of Lidar. The description in the course catalog is:

Types of Lidar sensors and their applications; integration of GPS-IMU with Lidar; calibration; elimination of non ground data; break line extraction; ground based mobile Lidar; Integration of survey control into Lidar data sets; accuracy assessment of overlapping scanned data; the industry standard .las format; integration with other survey information; Lidargrammetry; classifying Lidar data by return number and layer; procedures for geodetic accuracy assessment; corridor mapping.

The UMaine Course Catalog states that "available as of 05/01/2014" Ray will be teaching:

•SVT501 Advanced Adjustment Computations

Direct formation of reduced form of normal equations; Cholesky decomposition and back substitution; using Cholesky algorithms for computing select variance-covariance terms; optimization of solutions via banded and column profile minimization; recursive matrix partitioning; use of conjugate gradient procedures in solution efficiency; post-adjustment variance-covariance propagation for computed terms.

•SVT511 Geodetic US Public Land Survey Computations

Review of townships, sections, closing corners, parenthetical distance and acreage; section subdivision, fractional rules; major changes in the 2009 Manual; the USPLS datum; Mean bearing in geodesy; geodetic coordinate geometry; geodetic computations of single and double proportioning; geodetic one, two, and three point control; geodetic compass rule adjustment, grant boundary adjustment, irregular boundary adjustment, and meander line computations; Geographic coordinate data base issues in an updated system; mega-adjustments and error propagation.

•SVT531 Advanced Digital Photogrammetry

Airborne GPS-IMU processing techniques; conversion between local cartesian and conventional mapping coordinate systems; techniques in automated pixel matching; digital cameras and their calibration; optimization of automated photocoordinate measurement for aerotriangulation; recursive partitioning techniques for aerotriangulation solution optimization; techniques for automated feature extraction; synthesis of digital imagery and Lidar; image enhancements issues in orthophotos and mosaics; multi-ray considerations.

•SVT541 Geodesy

Types of coordinate systems and mathematical models; defining datums; defining transformation parameters between datums; building gravity models; modeling continental drift; conventional celestial and terrestrial references frames, precession, nutation, and polar motion; spherical trigonometry and spherical harmonic expansions; geodesic line, geodesic curvature, differential equations of the geodesic, direct and inverse solutions; conformal mapping of the ellipsoidal surface.

- The second item is that now being offered is a Dual Four-Year Degree in Surveying & Forestry.

For more information contact Dr. Carlton A. Brown, P.L.S., P.E., Associate Professor,
University of Maine Orono, 207-581-2781 (Office)



"Strive not to be a success, but rather to be of value"



CALS members pleased with NSPS affiliation

In the fall of 2013, CALS members voted overwhelmingly to join more than 40 other states and become a part of the NSPS 100% Membership Program. This opportunity gives strength to the issues of all licensed land surveyors and insures representation on a National level.

On November 21, 2013, NSPS members from 19 states ventured to Capitol Hill in Washington, DC on to visit their Congressmen and Senators during the society's Lobby Day. Some of the issues addressed included:

1. Urging Congress to introduce resolutions and legislative proposals that state that geo-spatial imagery and data collection, usage and its application does not threaten the privacy of individual citizens. NSPS is concerned that compliance with some proposals for regulating the collection of data will be impractical to the point of impossible for surveyors.
2. Encourage Congress to require accurate location of pipelines and abandoned railroads, in accordance with standards and protocols for data collection as developed by the Federal Geographic Data Committee (FGDC).
3. Encourage support of "Map it Once, Use It Many Times Act" H.R. 1604 4. Encourage Congressional Members to send a letter to the Secretary of Labor requesting more transparency and an open dialogue with affected parties regarding Davis-Bacon, regardless of their position with the issue. Recent actions by the Secretary of Labor regarding Surveyors were taken without NSPS input, and we hope to avoid this in the future.

In addition to NSPS Lobby Day, NSPS's Committee on Joint Government Affairs - working closely with the NSPS Lobbyist is constantly reviewing issues and legislation that affect surveyors across the country. One of many functions handled at the national level by NSPS, which would be nearly impossible for CALS or other state associations.

As of January 3, 2013 the North Dakota Society of Professional Land Surveyors (NDSPLS) is among the state societies to have entered into the joint membership MOU with NSPS.

Currently 41 societies (40 states and the District of Columbia) that are now in the program.



A special thanks goes to Professor Knud E. Hermansen, from the University of Maine, who recently provided a webinar titled Non-Adversarial Unwritten Rights for Land Surveyors, and donated his entire speakers fee back to the CALS Scholarship Fund.



NEWS & VIEWS

National Society of Professional Surveyors

ALTA/ACSM standards

Please send questions/comments you may have about the standards to NSPS Executive Director Curt Sumner via email at curtis.sumner@nsps.us.com. Responses will be posted in NSPS News and Views.

Question:

We've been asked to prepare an ALTA/ACSM Land Title Survey covering multiple parcels and owners from an accumulation of multiple title commitments. We typically prepare unsigned "base maps" based on the individual commitments, but complete the actual ALTA/ACSM Survey only after there has been a Pro Forma commitment prepared that wraps all of the individual title commitments into one. Because of the timing of this particular project, we have been asked to complete the Survey from the individual title commitments before the final consolidated Pro Forma is issued. Will the title company accept such an ALTA/ACSM Land Title Survey without the Pro Forma? What else should we be concerned with? Can an ALTA/ACSM Land Title Survey be based upon more than one title commitment? It would also be awkward trying to label the individual parcels and exceptions on the Survey. Do you have any thoughts about such a request? What items should we be concerned about? How might you reply?

Answer:

This is interesting – we usually never see a Pro Forma of the combined parcels. In any event, it is not uncommon, and is certainly not wrong, to prepare the survey based on the individual title commitments, and reference each parcel and commitment separately. Some thoughts/comments:

1. If you usually do the survey relying on a combined pro forma commitment, ask the title company if they will accept it referencing the individual commitments. I'm guessing they will.
2. Make sure the individual parcels and easements are identified clearly, perhaps by using some sort of coding for the parcels and easements (e.g., "The parcel identified as 'A' is described in Schedule A of Chicago Title Insurance Company Title Commitment 123456; and all easements identified with the prefix 'A' (i.e., A-8, A-14, etc.) are the exceptions as numbered in title commitment no. 123456. The parcel identified as 'B' is described in Schedule A of Chicago Title Insurance Company Title Commitment No. 789123; and all easements identified with the prefix 'B' (i.e., B-6, B-13, etc.) are the exceptions as numbered in title commitment no. 789123.")
3. Make sure that the client and lender will be fine with this. It is my experience that sometimes they may want a separate survey for each parcel being acquired.

Senate may take up FEMA flood reform delay

The U.S. Senate may soon consider changes to the Biggert-Waters Flood Insurance Reform Act, the 2012 law that reformed the FEMA flood insurance program, including its risk mapping activities.

The Senate is expected to move as early as [Wednesday, January 8](#) to consider legislation that would delay for four years any phase-outs of premium subsidies for second homes and business properties insured by the National Flood Insurance Program. The bill also would halt efforts to update the NFIP's Flood Insurance Rate Maps and to phase-in appropriate risk-based rates for those properties whose designations have changed.

Because the NFIP's statutory authority is scheduled to expire at the end of 2017, a four-year delay would effectively gut reforms that were passed by Congress by overwhelming margins in 2012. The NFIP remains roughly \$24 billion in debt to U.S. taxpayers and hasn't repaid any principal on its loans since 2010.



NAPA issues report on elevation data, endorses 3DEP

When Congress passed the Biggert-Waters Flood Insurance Reform Act, in the MAP-21 Act, (P.L. 112-141), including the highway bill, FEMA flood reform and changes to the federal student loan program, it included a variety of mapping-related provisions. A key section, 100121, required a National Academy of Public Administration (NAPA) study on how FEMA can improve interagency and intergovernmental coordination on flood mapping, including a funding strategy to leverage and coordinate budgets and expenditures and establish joint funding mechanisms with other Federal agencies and units of State and local government to share the collection and utilization of data among all governmental users. The [NAPA report](#) is out. Included is the following recommendation (page 11): "Recommendation 15: The Office of Management and Budget should use the 3DEP implementation plan for nationwide elevation data collection to guide the development of the President's annual budget request." NSPS has endorsed the 3DEP program, and petitioned the Appropriations Committee in Congress to begin funding the contract program for collection of elevation data, primarily through LIDAR.

OMB issues guidance on federal grants, protects QBS

The Office of Management and Budget has issued new guidance on the administration of [federal grants](#). Of interest to [COFPAES](#), of which NSPS is a member, is the preservation of the "[Brooks Act](#)" and numerous state "mini-Brooks Acts," which provide for the qualifications-based selection process (QBS) to be used for contracting for architecture, engineering, surveying and mapping services.

FAA selects sites for UAV testing

The [Federal Aviation Administration](#) (FAA) announced on December 30 the selection of six sites for research and testing of unmanned aerial vehicles (UAV). The tests will be conducted to enable FAA to develop a plan by 2015 to integrate commercial UAVs into the nation's airspace, as the agency was directed to do in an aviation bill enacted into law in 2012.

OMB issues policy on value engineering

The Office of Federal Procurement Policy (OFPP) in the Office of Management and Budget (OMB) is publishing final revisions to [OMB Circular A-131](#), to update and reinforce policies associated with the consideration and use of value engineering (VE).

Congress limits GLONASS

Before leaving the Nation's Capital for the holidays, Congress passed the 2014 National Defense Authorization Act, which included a provision that virtually bars Russia from building about a half-dozen [GLONASS receiving stations](#) on American soil that critics fear Moscow could use to spy on the United States, or worse. Under the new law, unless the Secretary of Defense and the Director of National Intelligence certify to Congress that the ground stations would not be used to spy on the United States or improve the effectiveness of Russian weaponry — or unless they waive that requirement altogether on national security grounds — the plan is dead. The waiver would also require that the stations not pose a cyberespionage threat or weaken the American GPS technology for consumers.



NEWS & VIEWS

National Society of Professional Surveyors

Rep. Kingston seeks Labor Department information on Davis-Bacon

The chairman of the House Appropriations Subcommittee that funds the Department of Labor has asked for the release of information regarding the Department's controversial ruling that survey crews are "laborers and mechanics" under the federal prevailing wage law. Rep. Jack Kingston (R-GA), an Appropriations Committee "cardinal" or subcommittee chairman, wrote Secretary of Labor Thomas Perez on January 10 pointing out that numerous attempts to provide transparency on the department's decision have been unheeded.

DISH withdraws offer to buy LightSquared

DISH, the satellite television company, has withdrawn its \$2.2 billion bid to acquire LightSquared. NSPS members will recall LightSquared proposed a rural broadband system that created controversy for its interference with GPS spectrum signals.

NOAA Opens Comments on Plans to Privatize Paper Charts

The National Oceanic and Atmospheric Administration (NOAA) has announced plans to eliminate and privatize printing of paper nautical charts. NOAA published its plan in the Federal Register and is seeking public comments. Comments on the plan are due February 3.

Researchers Continue to Seek Assistance in Defining 'Geodetic Surveyors'

The U.S. Department of Labor requests your assistance with a program that is important to the nation - the Occupational Information Network (O*NET®). The O*NET Program serves employers, human resource professionals, job counselors, and labor market analysts across the country who depend on occupational information to perform their daily work. Individuals who are exploring and planning careers also use O*NET information. We would like your help to keep this information current. Your assistance will help describe the complexities of your work to the American public

NSPS seeks your assistance as an occupation expert (OE) for the occupation of Geodetic Surveyors. Occupation experts will be called and asked to complete O*NET questionnaires to provide information on their field of expertise. Their contribution to this program will ensure that the occupational information provided in the O*NET database is current and accurate.

"Are you an Occupational Expert?"--the criteria:

1. Do you currently work in the U.S.?
2. The description of this occupational classification is below. Does the work described fit either the work you're doing now or have done in the past? (Your job title doesn't need to match, just the work described.)

3. Geodetic Surveyors: Description:

Measure large areas of the Earth's surface using satellite observations, global navigation satellite systems (GNSS), light detection and ranging (LIDAR), or related sources. Some of the alternate titles for this occupation: Geodesist , Geodetic Surveyor Technologist, Geographic Information System Surveyor, and Remote Sensing Surveyor.

4. Do you have at least 5 years experience with this occupation? Experience = practicing the occupation but also includes those who have at least 1 year of practice who are now training, instructing or supervising those in the occupation .

If you said yes to the questions above, will you volunteer to assist with the O*NET research of Geodetic Surveyors?

If so, please email Curtis Sumner (curtis.sumner@nsp.us.com) or MaryePasick (mpasick@onet.rti.org)


Please include your name, phone number and city/state. We really appreciate your help!!

Your participation in this effort is voluntary. Yet, participation by occupation experts is vital to the success of this important program. Many thanks in advance.

Curtis Sumner
NSPS Executive Director



FEBRUARY 2014

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2014

Calendar of Events

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- February 2 - Ground Hog Day
- February 14 - Valentine's Day
- February 17 - President's Day
- February 27 - CALS BOD Meeting
- *May 1 - CALS General Membership Meeting**
- September 10-12 - NESS Convention, Burlington, VT
- *September 25 - CALS Golf Outing**
Indian Hills Country Club, Newington
- *October 31 - CALS 47th Annual Meeting**
Saint Clements Castle, Portland

"Strive not to be a success, but rather to be of value "

**NORTH EAST
SURVEYING
SOCIETIES
CONFERENCE
AND
CONVENTION**

VSLs 50TH ANNIVERSARY CELEBRATION 2014 NESS Meeting & Conference



**September 10-11-12, 2014
Sheraton Conference Center
South Burlington, Vermont**



NESS MISSION STATEMENT: To nurture the Land Surveying Profession by enriching, educating and empowering surveyors throughout the northeastern United States. The member societies will identify issues of mutual interest and work cooperatively to address these issues to foster the betterment of the surveying profession

Please check our website for updated information <http://www.vsls.org>.

"Strive not to be a success, but rather to be of value"

Watch us grow...

In July of 2002, CALS opened several investment accounts with our Sustaining Member Matt Peak, through Waddell & Reed. The initial investment into the Scholarship Fund was \$51,588.63.

Since then we have consistently contributed 25% of all workshops, a minimum of \$2000 from the annual meeting, and a significant percentage of profits from the annual golf outing to the Scholarship Fund. Matt himself has run the Hit the Green contest at the golf outing donating all proceeds to this fund. All of these efforts, coupled with the consistent contributions from our members, has seen the CALS Scholarship Fund grow to nearly \$175,000 so that we are now able to give more generous scholarships to young, up and coming surveying students.

Thank you for your generous donations to CALS Funds.

Your support is very meaningful to our organization.

- Bob Baron
- Jay Doody
- Knud Hermansen
- Anthony Mello
- Scott Mundy
- Arthur Neriani
- Phil O'Brien
- Richard Tournville



Classified

Consistently ranked by CE News as one of the “Best Civil Engineering Firms to Work For,” **Vanasse Hangen Brustlin, Inc.** (VHB) provides integrated planning, transportation, land development, land surveying and environmental services from 21 offices throughout the east coast. VHB is dedicated to providing a challenging, fun, and rewarding work environment. Our expanding Land Surveying Departments in Connecticut, Western Massachusetts and New York are **seeking qualified candidates to join our team, including entry level to project management level positions.** Please submit qualifications and resumes via email to ccdanforth@vhb.com.

Join the 2012 Builder of the Year! ESE Consultants, Inc., a Toll Brothers, Inc. Company, has two openings for a Field Land Surveyor to join our team in Newtown, CT.

We are a full-service land surveying company that conducts site improvement stakeouts, outbound surveys, topographic surveys and ALTA/ACSM surveys for residential developments.

This is an exceptional opportunity to join one of the nation’s most respected companies!

Qualifications:

- Ability to perform and work as a one-person crew utilizing state-of-the-art robotic and GPS equipment.
- Working knowledge of construction layout, cut sheets and survey calculations, outbound and title surveys, topographic survey, and data collection of survey information.
- Excellent written and verbal communication skills required.
- AutoCAD experience a plus.
- 3-5 yeas of experience in the role of a Party Chief.
- A college degree is preferred but not required.

We offer an excellent compensation and benefits package, including comprehensive medical/dental, 401 (k) with a company match, discounted stock purchase, discounts on mortgages, homes, appliances, and much more! Come see why ESE Consultants, Inc. has been attracting and retaining some of the best professionals in the industry! For immediate consideration, please email your resume to Jobs@TollCareerCenter.com today!

Surveyors Field & CADD Technicians – Multiple Vacancies - Work for an Industry Leader!

Challenging Projects - Dynamic Work Environment - Outstanding Opportunities

Southern Connecticut:

- **Position available** for career oriented land surveyor in well established civil engineering and land surveying firm located in southeastern Connecticut. Qualified candidates must have valid Connecticut Land Surveyor license or be eligible to obtain licensure within one year. Candidates must have solid background and experience in field surveying, processing of field data, land record research, boundary analysis, defensible determination of property boundaries, and preparation of final survey maps. This position requires the ability and willingness to manage and supervise technical and professional staff, interact directly with clients and prepare project budgets and client proposals. This position is intended to result in advancement to senior management with future ownership opportunity.

Interested parties may submit a letter of interest along with a current professional resume – all contact will be kept confidential. Respond to: ctsurveyorwanted25@gmail.com



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Langan Engineering & Environmental Services is an award-winning ENR Top 500 Design Firm and has been recognized as one of CE News Best Civil Engineering Firms to Work For. Join our team of industry leaders and make a difference on some of the most exciting and interesting projects in the field! Langan offers integrated engineering and environmental services for both public and private sector clients at sites located throughout the United States and abroad.

Langan has openings for Survey CADD Technicians and Field Technicians.

We have multiple vacancies for temporary hires with possible future full-time opportunities at our Elmwood Park, NJ; New York, NY; New Haven, CT and Center City Philadelphia, PA locations.

As the successful candidate, you will be working on small and large-scale land development projects. You will have experience working with commercial, retail and residential properties within the local region. Relocation assistance is not available.

Requirements: Ideally possess a minimum of 2 years related survey drafting experience and/or field experience; Proficiency in Civil 3D and/or Carlson software; Strong attention to detail with excellent analytical and judgment capabilities; Demonstrated ability to work with co-workers and managers; Excellent communication skills; Possess a valid driver's license in good standing; Availability to travel overnight for select projects; and, Position requires work Monday through Friday with occasional evenings and weekends.

We provide our staff with the opportunity to direct their own career path. If you are a highly motivated self-starter, we can offer you challenge, responsibility, and an environment to grow your career! We offer employees competitive compensation packages; company paid medical, dental, and vision coverage; life insurance, short- and long-term disability insurance; 401(k) with company match; educational reimbursement; extensive training; and much more!

Please send resume, cover letter, desired office location, and salary requirements with Job REF # MULTI-JER-1001CAL to Marie Best care of careers@langan.com or fax 201-398-4702.

Hartford County:

- **Survey Party Chief:** Position opened for an experienced Survey Party Chief. The candidate must have experience in field procedures, land record research, boundary and topographic surveys. Candidate must have knowledge of Robotic Instruments and GPS operation. LDD or Civil 3D knowledge is a plus.

Field Technician: One Position opened for a survey technician with one or two years of experience working in the field. Experienced preferred but will train the right candidate.

Martinez Couch & Associates, LLC is a growing Land Surveying, Civil Engineering and Environmental Consulting firm based in Rocky Hill, CT. **MCA** offers a competitive salary and benefits package including paid vacation, medical insurance, 401(K) retirement plan with employer matching contribution, life insurance, Short-Term Disability and Long Term Disability as well as a professional working environment with opportunity for advancement. Interested candidates should submit a letter of interest together with a current resume to email@martinezcouch.com or fax to 860-436-4626. MCA is an Equal Opportunity Employer.

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Hartford County:

- **Survey Manager** - Loureiro Engineering Associates, Inc. (LEA), an employee owned, full-service multi-disciplinary engineering consulting firm located in Plainville, Connecticut has an immediate opening for a Survey Manager in our Civil/Survey Division.

Key responsibilities for this position include working with Engineers, Project Managers and other personnel to define and implement survey applications for any number of given projects; overseeing the respective department operations and staff to ensure that they are fully supporting the overall needs of the Company and our clients; marketing our services while building relationships with clients/prospective clients.

Other responsibilities include: direct, supervise and report on the performance of the department systems and production; collect and evaluate statistical and technical information and provide accurate and timely communication of information to/from clients and internal staff; direct the development of new methods and routines to assure optimum utilization for all staff and equipment; recommend state-of-the-art products in both hardware and software.

Requirements: minimum two years of college education preferred but not required; Professional Licensure in Connecticut (Rhode Island and Massachusetts a plus); 7-10 years of surveying experience in boundary work, deed research, topographic surveys, utility mapping and construction layout; 3 or more years field crew supervisory experience; familiarity with GPS, Robotic Total Station, AutoCAD and Carlson software experience; excellent communication and team skills.

We offer a competitive salary and a comprehensive benefits package. Interested candidates may 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

- Join an energetic and growing group of civil/transportation professionals at BSC Group, Inc., a 110-person multi-state consulting engineering firm. The following position is currently open in our **Glastonbury, CT** office:

Part-Time Survey Technician – Work schedule will be 16-24 hours per week with the possibility of advancing towards full-time employment. Responsibilities include assisting Land Surveyors at the job site with land title surveys, existing condition/topographic surveys, boundary surveys, subdivision surveys and construction staking. Candidates must be physically capable of carrying tools over difficult terrain and working outdoors in varying weather conditions. The qualification requirements are a minimum of 2 years of experience, a valid driver's license and good math skills. Associate's degree a plus.

Please e-mail your resume to: info@bscgroup.com, No telephone calls, no recruiters, please.
BSC is an AA/EEO employer.

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Middlesex County:

- Land Surveying firm located on the shoreline looking for a **part time Field Technician and part time Cad Technician** Contact 860 669-7799 and ask for Don.
- **Senior Surveyor (CT)** - Currently we are seeking a Senior Surveyor in our Cromwell, CT office. Senior Land Surveyor would be responsible for production of surveying and mapping projects in accordance with current standards of practice. The successful applicant will schedule, assign and supervise work of survey parties engaged in collection, processing and mapping of survey data. The ideal candidate will be a PLS in the State of Connecticut with 5 or more years of surveying and mapping experience, reducing field notes, preparing base maps and performing office computations. Computer skills should include Autodesk/AutoCAD, Trimble Office, and Microsoft Excel and Word. Travel to our office in Poughkeepsie, NY may, at times, be required. OSHA 40 hour training and OSHA construction certificate a plus. All successful applicants will have back ground checks, will be drug tested and will be subject to random testing throughout the year. Please send resumes to: contact@lrconsult.com
- **Office CAD Designer / GIS Technician** - We currently have an opening for a CAD Designer/ GIS Technician in our Cromwell, CT office. CAD Designer/ GIS Technician would be responsible for producing survey maps and engineering site plans. Applicants should have knowledge of AutoCAD, Microstation, Microsoft Excel and Word. Knowledge of ARC GIS will be a requirement. A high school diploma or equivalent is required. A minimum of three (3) years of survey experience is preferred. Please send resumes to: contact@lrconsult.com
- **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 back ground checks, will be drug tested and will be subject to random testing throughout the year. Please send resumes to: contact@lrconsult.com

New Haven County:

- **Land Surveyor Assistant** - Successful candidates must be able to work indoors as well as outdoors in all weather conditions and varied field conditions; Ability to lift 50lbs; Must be dependable with own transportation & possess a valid CT driver's license; Must be proficient in computer and math skills. Past survey experience is a plus. Monday - Friday 32 to 40 hours a week. Salary DOE
Please send or fax resume and references to: LWF Land Surveying, 48 Alps Road, Branford, CT 06405
Fax (203) 483-9388 cfisher.lwf@sbcglobal.net
- **Rod Person**—Civil Engineering / Land Surveying Firm looking for an instrument / rod person. AutoCAD experience very helpful. Pay commensurate with experience. Please contact John or Scott @203-639-8636.
- **Civil Engineer** – Wallingford, CT -.Civil Engineer needed for family owned Engineering and Surveying firm in business for over 39 years. Must have 3 years or more experience in site planning, grading, utilities, subdivision design and commercial development. Must be able to multi-task and possess strong communication skills. Knowledge of AutoCAD and Microsoft Office. Please send your resume and salary requirements to cjuliano@julianoassociates.com.
- **Land Surveyor**—Part time* position requires five (5) years of practical experience with Total Stations and Data Collection, GPS a plus. Salary and benefits are open and will be negotiated base on applicant's experience. (* Position has potential to expand to full time)

Send resume, including salary history and requirements in confidence to: Patrick Corless, Jr., L.S., Clarence Blair Associates, Inc., 85 Willow Street, New Haven, CT 06511 Or, e-mail: pcorless@clarenceblair.com

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New Haven County:

- **Survey Project Manager** - Milone & MacBroom, Inc. is a growing multidisciplinary engineering, planning, landscape architecture, and environmental science consulting firm. We will provide you with the opportunity to collaborate with a diverse workforce of extremely talented professionals.

We are seeking a licensed professional land surveyor to join our land surveying department as a Survey Project Manager at our corporate office located in Cheshire, Connecticut. The qualified candidate will have the opportunity to work on a wide range of projects in the New England area.

As an essential member of the survey team, the successful candidate will be responsible to manage survey projects, coordinate with clients and build relationships, supervise survey crews, and coordinate survey projects with other professionals throughout the company.

The ideal candidate will be a licensed land surveyor in Connecticut and Massachusetts with a minimum of five years' experience and the ability to relate to clients and people at all levels of the organization. Excellent oral and communicative skills are necessary. Experience using GPS survey technology and knowledge of *AutoCAD* and *Carlson* software are preferred.

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., (203) 271-1773

99 Realty Drive, Cheshire, CT 06410, pamh@miloneandmacbroom.com

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

- **Instrument man / Rod man** - Contact Scott Poryanda, Connecticut Consulting Engineers, LLC, One Prestige Drive, Suite 110, Meriden, CT 06450, Tele. 203-639-8636.



Change in CALS Board of Directors

- Norm Bolduc will now be representing Middlesex County.
- Mike Garon will be the new director representing New Haven County.

We still have an opening for another director who lives or works in Middlesex County. Call the CALS office if you are interested.

Make this your year to get involved!



"Strive not to be a success, but rather to be of value"

SUPPORT YOUR SUSTAINING MEMBERS

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Avon, CT

Evan Cooper - 800-300-4180
evan.cooper@bearingstar.com

**BERNTSEN INTERNATIONAL
SURVEY MARKERS & MONUMENTS**
Madison, WI

Tim Klaben-800-356-7388
tklaben@berntsen.com

CAMILLERI & CLARKE
An Affiliate of SMITH
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Glastonbury, CT

Robert D. Camilleri - 860-430-3306
rcamilleri@camillericlarke.com

CARLSON SOFTWARE
Surveying Software
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John O'Brien - 800-283-0023
www.carlsonsw.com
jobrien@carlsonsw.com

CHAMPION INSTRUMENTS
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www.championinstruments.com
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tim@dpcct.com

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

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Rob Powell - 800-591-8907
rob@engineersupply.com

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

**GEOMAPS
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Bethpage, NY

William Crawbuck - 516-827-9100
billc@geomapsintl.com

GOLDEN AERIAL SURVEYS
Aerial Photogrammetry Services
Newtown, CT

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

**KEYSTONE PRECISION
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Eric Beiler, CT Sales Rep. -
860-558-5700
ebieler@keypre.com
Paul Carver, Manager - 888-443-9840

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info@lafavewhitemcgivern.com

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mgage@maintechnical.com

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kreynolds@rsgllc.com

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Matt Peak - 860-432-8111
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