



# The Connecticut Surveyor

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

Volume 22, Issue 7

July 2016



The CALS golfing community received a wonderful treat on June 15th when we had our annual tournament at Timberlin Golf Club in Berlin, CT.

The sky was blue and the sun shown bright and everyone had a great time.

Every player received a golf umbrella although it certainly wasn't needed this year!

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## CALS Golf Outing



Longest Drive Colin Dempsey



Tolland County Director Jay Ussery, Past Presidents Dave Palmberg & Kevin DaRos

Life is 10% what happens to us and 90% how we react to it.

## CALS Golf Outing



**President McDougal announced the winners**



**Past President Dave Palmberg won the 50/50 mulligan raffle and donated his winnings back to CALS. Thank you Dave!**

**Thank you to Matt Peak who ran the Hit the Green contest and raised \$275 for the CALS Scholarship Fund.**



**Dean and Brice Martin**



**Three generations - Peter Flynn far left, Ken Cyr, center, and Matthew Cyr, right.**

**Life is 10% what happens to us and 90% how we react to it.**



## CALS Professional Development



**The seminar on The Evolution of the National Spatial System, presented by Dan Martin, NGS-NOAA, has been rescheduled for Friday, September 9, 2016.**

**If you registered for the previously scheduled seminar on May 26th, your seat has been reserved.**

**Otherwise, call the CALS office, seating is limited.**

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**CALS has applied to New York for Professional Development Credits.**

**We hope to have approval in place by the annual meeting in November.**



# Lifelong Learning for Land Surveyors

By Jay Doody, PS/PE

For those of us who wish to learn all we can about land surveying, but have not been fortunate enough to attend a university that offers a college degree in Land Surveying, Charter Oak State College (COSC) has a way for you to attain academic credit for your previous academic experience, professional and technical licensure as well as offering on-line courses that pertain to gain an academic credential in land surveying. CALS has worked with COSC to establish a certificate in land surveying. You will find the program details at <http://www.charteroak.edu/certificates/land-surveying-certificate.cfm>.

Charter Oak State College (COSC) is Connecticut's "virtual college". All of the courses offered are online. In addition, COSC has traditionally been able to award credit for traditional courses taken at other colleges and to recognize licensure and certification for meeting certain course requirements toward the land surveying certificate. If you took an introduction to surveying course 20 years ago, it will still count toward the land surveying certificate.

The COSC online course EGR410 "Boundary Law" will be offered in the Fall of 2016. Class starts August 22 and ends December 4. During the 15 weeks of the course the entire textbook "Evidence and Procedures for Boundary Location, 6<sup>th</sup> Edition" will be covered in detail. The cost of this course is \$1,148 plus the cost of the textbook. The course offers weekly multiple choice quizzes similar to those on the FS and PS examinations. In addition, students will analyze real boundary problems, interpret maps and deeds, perform a title search, and write deed descriptions. The topics covered in this course include:

Evidence, Burden of Proof, Maps and Deeds as evidence, Words as Evidence, History of Colonial and Public Lands Surveys, Water Boundaries, Original and Retracement Surveys, Unwritten Rights, Guarantees of Title and Boundary, Analyzing and Writing Deeds, Professional Stature and Liability.

If you are interested in taking the Boundary Law course this fall, contact me at [jjdoody@snet.net](mailto:jjdoody@snet.net) and I can provide more information on the workload and expectations of an on-line course.



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# CALS Professional Development

## **EGR 410 BOUNDARY LAW**

*Online Asynchronous Text Based Course*

15 Weeks, 3 Credits, Cost \$1,148 +book

Fall Semester Starts August 22, 2016 and  
Ends December 4, 2016

Charter Oak State College, CT  
[www.charteroak.edu](http://www.charteroak.edu)

Textbook: *Evidence and Procedures for  
Boundary Location, 6<sup>th</sup> Ed., Robillard et al*

This course is not an FS review course but  
an in depth class on boundary law and  
history in both public lands and metes and  
bounds states. It has proven helpful in  
mastering boundary law issues for the FS  
examination.

Instructor: Jay Doody PLS & PE (CT)  
For more information contact Jay Doody at  
[jjdoody@snet.net](mailto:jjdoody@snet.net)

# CALS Professional Development



## On-line Masters Degree in surveying engineering from the University of Maine

- Do you want to continue your education while working and not have to re-locate?
- Do you want to pursue this education at your desired pace?
- Do you want a graduate education that combines surveying and business?
- Do you want a graduate program you can afford?
- The Professional Science Masters Degree in Surveying Engineering is for you!
  1. All Courses Offered ONLINE.
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(<https://online.umaine.edu/tuition-and-fees/>)
  3. Graduate record exam not required
  4. Graduate courses in Adv. Survey Law, Geodesy/GPS, Lidar, UAV mapping, Adv. Adjustment Comps., Geodetic Aspects of the USPLS, and Business
  5. Join 22 current students in the degree program.

More info. found at [engineering.umaine.edu/psm](http://engineering.umaine.edu/psm)

Apply at [umaine.edu/graduate/application/login](http://umaine.edu/graduate/application/login)

Questions – email [ray.hintz@maine.edu](mailto:ray.hintz@maine.edu)





## "Upright Stake and Stones" set along the Portland /Glastonbury town line

Submitted by Brian Florek, Supervisor of Surveys, CTDEP



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## 2016 Rendezvous - September 28 - October 1

### Lake George, New York

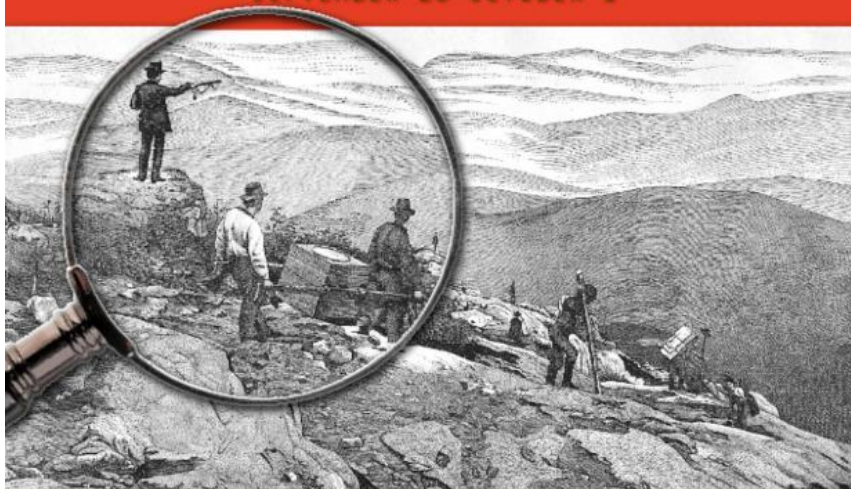
Our 2016 Rendezvous will focus on the surveys of Verplanck Colvin, who surveyed the Adirondack Mountains and was instrumental in establishing the largest park within the U.S. The Rendezvous will include classroom instruction, excursions, and the dedication of interpretive signage related to Colvin's work. Enjoy the history of the area, including historic Fort William Henry and beautiful Lake George, during your stay. We hope to see you in New York this fall!

## THE VERPLANCK COLVIN STORY

Adirondack Wilderness Surveyor and Savior  
ESTABLISHING THE LARGEST PARK  
WITHIN THE CONTINENTAL U.S.

### SURVEYORS RENDEZVOUS 2016

SEPTEMBER 28-OCTOBER 1



TRIANGULATION: SURVEY PARTY LEAVING  
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AND TELESCOPE & C.

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Land Surveyors



Colvin  
Crew



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Society of  
Land Surveyors

[WWW.SURVEYORSHISTORICALSOCIETY.COM](http://WWW.SURVEYORSHISTORICALSOCIETY.COM)

For more information - <http://www.surveyorshistoricalsociety.com/Rendez.php>



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## NSPS offers Davis-Bacon solution to Department of Labor

NSPS Executive Director Curtis Sumner has [written](#) the Wage and Hour Division of the U.S. Department of Labor offering a resolution to the issue of survey crew members being classified as "laborers and mechanics" under the meaning in the controversial Davis-Bacon Act. The NSPS letter is in response to Wage and Hour's most recent policy [opinion](#) and [Q&A](#) provided to the society.

NSPS has indicated that consistent with Labor Department policy, "survey crew members whose primary function is to take measurements and to accumulate data upon which recommendations are based to advise licensed professional surveyors on conditions, plans, and plats related to professional judgments to be made regarding layout and construction decisions" are not laborers and mechanics and should be exempt from the Davis-Bacon law.

Sumner wrote, "this position is consistent with the points we made in our previous meetings and correspondence, as well as the recommendations made in my letter to you of December 10, 2014. We renew our request that those recommendations be implemented in a revised AAM 212. Furthermore, the Department of Labor now has numerous documents providing conflicting positions related to Davis-Bacon Act application to members of survey crews. This has made compliance impossible for our members. We respectfully urge the Labor Department to issue one document outlining that the Davis-Bacon Act does not apply to survey crews, but to 'construction helpers' not directly involved in the practice of surveying." For full information on this issue, visit the special [page](#) on the NSPS website.





# The Importance Of Land Surveying In The World We Live In Today

By Kevin Germain

Many individuals may not be aware but the world's second-oldest profession is land surveying. Land survey is simply the art and science of mapping and measuring land. Land survey is vast in scope but truly comes down to people's land boundaries and where they are located. Land surveys are critical for buildings, railroads, skyscrapers, airports and bridges. A prime example of when a land survey is necessary is when a fence is added to a yard. Without knowing exact boundaries the fence permit will never happen so in this case as in many a land survey is needed.

Boundary surveys are a vital part of the design and construction element of any projects. A boundary survey is conducted to give a precise location to the property that is in question. A land survey professional will come and inspect the topography of the land for many reasons. First the engineering design needs precise land surveying results for the main purpose of designing. A key element in site design is to ensure that the land in question is elevated to prevent building floods.

A title survey helps to facilitate any type of real estate transaction and certifies that a dwelling is built according to the design that was approved. Surveying is needed for so many different activities. For instance in order to dredge a river bottom or other body of water a map (survey) must be taken to pinpoint precise locations to avoid unnecessary complications. Another prime example of how a land survey is beneficial is when mapping out property for public use such as tunnels, roadways, air traffic and air ports, pipes, cabling and railways. A land survey also is necessary when splitting a parcel of land into several smaller lots.

The basics involved in field surveyor's duties include elements involving measuring, mapping and observing the land. A tool known as a total station helps land surveyors. Land surveyors derive elevations of the land using total station along with geometry, angle measurements as well as distances along with GPS that shows intersections from space satellites. A surveyor will report data in a concise manner into the office which will then pass info on to a client. Contractors rarely work directly with a land surveyor yet coordinate plans with office staff.

*Continued on the next page ...*

# The Importance Of Land Surveying In The World We Live In Today continued

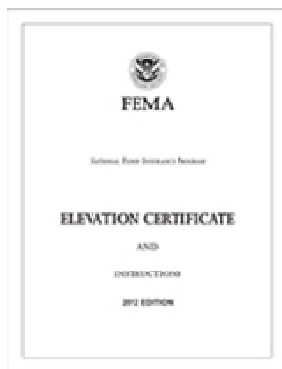
In order to have success as a surveyor basic knowledge regarding zone, building and planning regulations must be know and changes should be kept up on. It is also important to know health policies, wetland regulations and rules regarding general land use. You must be able to apply previous learned techniques together with the latest in technology advances to measure land. It is essential to the success of the land surveyor that their equipment is kept up to date including computers, lasers and satellite technology.

Land surveying is critical in the world we live in today. A professional land surveyor can help to eliminate issues that arise because of land boundaries. They are also the first people to be called in when advances and improvements are being made to public spaces and land we all use regularly. It is important to recognize that only one job of a surveyor is boundary line management the many other hats they were ensure public safety and allow us modern day conveniences such as bridges, roads and airports.

If you have enjoyed this article on land surveying from Kevin Germain visit [http://monumentengineering.com/land\\_surveying.php](http://monumentengineering.com/land_surveying.php) where you will find useful information on land surveying.



## FEMA National Flood Insurance Program Elevation Certificate and Instructions



The National Flood Insurance Program (NFIP) Elevation Certificate (EC) (FEMA form 086-0-33) is an administrative tool of the NFIP which is to be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to determine the proper insurance premium rate, or support a request for a Letter of Map Amendment (LOMA) or a Letter of Map Amendment based on fill (LOMR-F).

This document is referenced in the NFIP [Flood Insurance Manual](#) (Special Certifications Section). This form is fillable and can be completed in either Adobe Acrobat Pro or Adobe Reader and saved.

<http://www.fema.gov/media-library/assets/documents/160>



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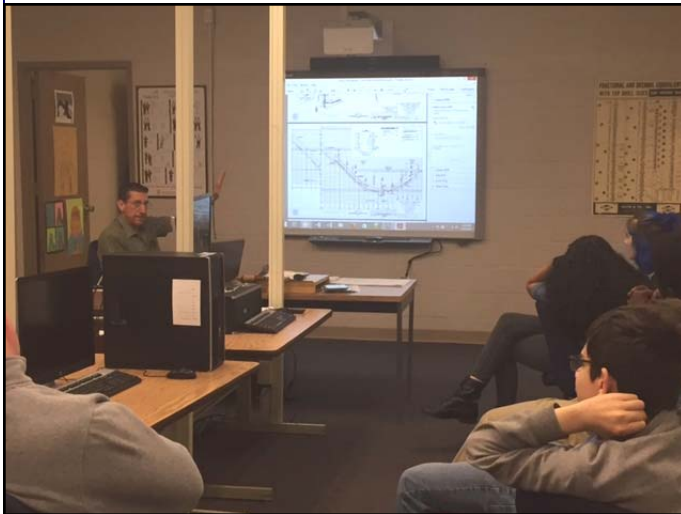
# CALS member visits with students about computer aided drafting



CALS member James Bernardo, LS recently spent the morning with about 18 students from the Computer-Aided Drafting & Design Technology at Ella. T. Grasso Technical High School, Groton, Connecticut. Mr. Bernardo spent some time demonstrating the robotic survey equipment to gather field data and evidence. He then moved into the classroom. Starting with the raw point data and moving through the final survey mapping, he reviewed several local projects with the students. Mr. Bernardo touched on legal research, site plan design, grading, drainage as well as expert witness disciplines before opening up the floor to questions.

Mr. Bernardo is a 1984 graduate of the technical high schools Machine-Marine Drafting program. "Maybe I can spark an interest in one of these students who may be interested in pursuing a different path with their CAD drafting background" he said. This was his second consecutive year putting on the program for the students. The drafting department head, Thomas Allen, a 1983 graduate of the Technical High School

participated, as a senior, in a work-study program at DiCesare-Bentley Engineers in Groton.



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## DEPARTMENT OF TRANSPORTATION

**Encroachment Permit  
Requirements from  
the CTDOT**

According to Robert Baron, Manager of Surveys for the CTDOT Surveyors (or any construction contractor etc. for that matter) are required to have an Encroachment Permit when working within the State's Highway Right of Ways. They are issued on an annual basis per District. They are either free or maybe now issued at a nominal fee, the issue is liability and safety of the workers and the traveling public so it's not a "survey thing" per se. Please also be aware that your crew should use the proper signing and personal protective gear when working in the ROW (protective cones, Class 2 / 3 vests and ball caps / hard hats as appropriate, truck lighting etc.).

The right of way of a State highway acquired by either fee or line establishment provides space for the pavement, guide rails, drainage facilities, trees, directional and warning signs, public utility poles, wires, conduits, water mains, sidewalks, driveways to adjacent properties, and many other facilities essential to the personal safety, convenience and economic well-being of all our people.

Public welfare and safety make it essential that reasonable regulations shall be exercised by the Transportation Commissioner to control the manner in which any change is made by any person in the structure, layout, drainage or topography of a State highway and its appurtenances. A permit manual (see permit regulations) was issued in the early 1930s after the State "Highway Dept." was first established and it was approved by legislator and published as Regulations on November 1, 1974.

The authority for the regulations is in Section 13b-17, Regulations, Delegations of duties and responsibilities of commission ([Encroachment Permit Regulations](#)), Section 13a-143a, Driveway Permits and Section 13a-247, Excavations and Obstructions, all of the Connecticut General Statutes.

When a permit is issued to you to perform a specified activity within the highway right of way, it is granted on the premise that the work will be performed in accordance with the special provisions inserted on the permit form in the manner detailed in the manual, and in conformance with the current issue of the State of Connecticut Department of Transportation [Standard Specifications for Roads, Bridges and Incidental Construction](#), ([Form 816](#)), other State regulations, and local town ordinances and as [detailed in the Standard Permit Attachments](#).

Your full cooperation in maintaining our State highway system at a high standard is earnestly requested.

**Application for Permit** - A standard form of application (PMT-1) which must be filed with the appropriate District Maintenance Director before an encroachment permit is issued.

**NOTE:** All applications for encroachment permits are issued from a District Special Services Office located in one of the four District offices. Please open the ["District Towns" link](#) below and find the corresponding District Office for the subject town.

**Encroachment Permit** - A standard form (PMT 2B) issued by the District Maintenance Director allowing the use of highway right of way, to a permittee who has met certain qualifications.

**Bond** - A written obligation which binds the signatory to answer for the debt, default, or miscarriage of the terms of the permit.

**Certificate of Insurance** - The Department will now accept standard insurance industry Acord Forms.



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First Vice President Wayne Zirolli has been busy preparing for the CALS 49th Annual Meeting, that will be held at Saint Clements Castle, on November 4, 2016. Mr. Zirolli was fortunate to secure Donald Wilson, L.S., for the keynote speaker.

President of Land and Boundary Consultants, Inc., Don established his surveying business in 1974 in southeastern New Hampshire, and has been in practice as a land boundary consultant about 40 years. Although he specializes in consulting, Don is both a licensed land surveyor and registered professional forester and has presented seminars on a variety of topics including description interpretation, boundary evidence, surveying law and various aspects of forensic science. Don is a member of and has been active in many surveying, mapping, and forestry organizations. He is past president of both the Maine Society of Land Surveyors and the New Hampshire Land Surveyors Association.

In addition to over 200 technical publications in several disciplines, Don has been involved with the writing of more than 50 books. The 6th editions of Evidence & Procedures for Boundary Location and its companion title, Boundary Control and Legal Principles, both of which he is a co-author, are the leading surveying textbooks. His publication, Interpreting Land Records, is proving to be a favorite among attorneys, title examiners and surveyors. He has written two other boundary-related texts and researched and compiled the subject matter for seven state boundary and surveying law books. Don is a former faculty member of the University of Maine where he taught surveying in the School of Forestry and the Department of Civil Engineering. He is also a former faculty member at the University of New Hampshire where he continues to teach courses for the UNH Professional Development & Training Program. He continues to offer on-line education through Red Vector ([www.redvector.com](http://www.redvector.com)) for surveyors and related professionals. Presently this cooperative is offering eleven separate courses authored by Don with more currently being developed.

Other presentations will include: a professional development seminar presented by Jay Doody and Aaron Rathbone; FEMA Flood Zone Regulations presented by Mark Branse, Esq.; computer computations for technicians, presented by Rachel Dearborn, L.S.; and Instrument Calibration presented by Calvin Weingart, L.S. and Edwin Rhodes, LSIT.

**Mark your calendar -  
this is going to be a great event!**



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# Take me out to the ballgame!

**Thursday, August 25th**

**Dunkin Donuts Field Gates open at 6:00**

**1214 Main Street Hartford CT 06103**

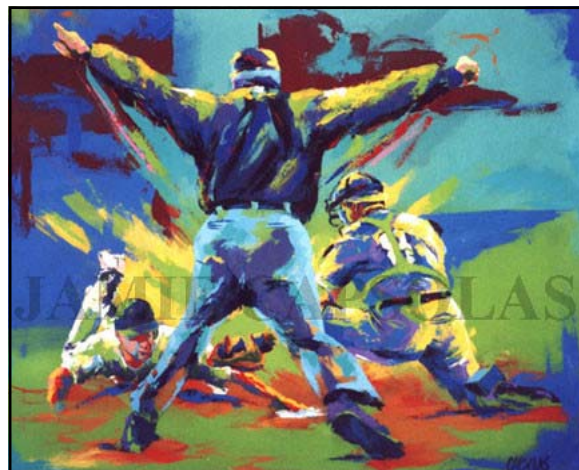


Join us and watch the Hartford Yard Goats play the Washington Nationals at Dunkin Donuts Park, in Hartford at 7:05 pm.

CALS has reserved a block of seats so we can all sit together. Tickets are only \$15 each and with each ticket you will receive a \$2 credit toward food, souvenir, or tickets to another game.

Don't miss out on a fun evening - bring your kids, your family, your employees and your friends.

Reserve your seats today!



Original Oil Painting by Jamie Capsolas

## Hartford Yard Goats Game - Thursday, August 25, 2016

**Dunkin Donuts Field - 1214 Main Street, Hartford, CT 06103**

Name \_\_\_\_\_

Company \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Number of tickets at \$15 each \_\_\_\_\_

Total enclosed \$ \_\_\_\_\_

Credit Card Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_

**Gates open at 6:00 pm the game begins at 7:05 pm**

**See you at the game!**

Life is 10% what happens to us and 90% how we react to it.



# July 2016



Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4 	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28 CALS Board of Directors Meeting	29	30
31						

**SAVE THE DATE - Waddell & Reed's  
Annual Connecticut River Cruise**

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# CALS 2017 Annual Reference Book

# T

he Connecticut Association of Land Surveyors is currently preparing the 2017 Annual Reference Book.

**This is the best opportunity for your company to have an advertisement placed before the surveying community for the entire year.**



Our advertising rates are nominal compared to the impact your ad or professional listing will have year round. To keep your name before the Connecticut Surveying Community, fill out and return the order form below and send it along with your advertisement and payment.

SIZE OF AD	B&W CALS MEM- BER	B&W NON- MEMBER	COLOR	INSIDE FRONT OR BACK COVER	TOTAL
FULL PAGE	\$375.00	475.00	+100.00	+100.00	
HALF PAGE	\$275.00	375.00	+100.00	N/A	
QUARTER PAGE	\$225.00	325.00	+100.00	N/A	
BUSINESS CARD	\$100.00	200.00	+100.00	N/A	

NAME \_\_\_\_\_ PHONE \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

AD SIZE \_\_\_\_\_ TOTAL ENCLOSED \$ \_\_\_\_\_

MASTER CARD/VISA # \_\_\_\_\_ EXPIRATION DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**All ads are due by August 15, 2016**

## PLACE YOUR ORDER TODAY!

# Classified

## POSITIONS AVAILABLE

### 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](mailto: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](mailto:joe.pereira@pereiraeng.com) or fax to: (203) 944-9945.

# Free

Ricoh Toner cartridge Type 1160w color black, 28.22 oz. I do not recall the make/model of the machine it's for, but it is free to a good home, first come first served.

Chris Zibbideo, PE, LS, Town of Wethersfield  
860-721-2850 [chris.zibbideo@wethersfieldct.gov](mailto:chris.zibbideo@wethersfieldct.gov)

Life is 10% what happens to us and 90% how we react to it.



# Classified

## Hartford County

- **Party Chief - Bongiovanni Group, Inc.**, located in central CT in its 33rd year as a leader in the Land Surveying Profession, is looking for a Professional/Career orientated person to join our Firm as a **Party Chief**.

This position requires a minimum of 8 years experience performing all types of Land Surveys and Construction Layout. A full command of Surveying Fundamentals and Computations is essential. Energy, integrity, reliability and interpersonal skills are a must. Preference will be given to qualified candidates with GPS and Robotic experience.

This position offers exposure to a diverse workload that provides for excellent Professional Development Opportunities.

**Bongiovanni Group, Inc.** offers an excellent wage and benefit package. Please send Resume to: Alan Bongiovanni, L.S., Bongiovanni Group, Inc., 170 Pane Road, 2nd Floor, Newington, CT 06111, or email to [al@bgils.com](mailto:al@bgils.com). Phone (860) 666-0134. All inquiries are kept confidential. EOE.

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- **Party Chief** - Harry E. Cole and Son, an established firm located in Plantsville, Connecticut is seeking a party chief with the following qualifications:

-5+ years of experience in the role of a Party Chief.

-Ability to perform and work as a two or one person crew utilizing robotic total stations and GPS equipment.

-Experienced in ALTA/ASCM surveys, boundary surveys, topographic surveys and construction layout on large commercial and residential projects. AutoCAD experience a plus.

Please send Resume to: Harry E. Cole and Son, PO Box 44, Plantsville, CT 06479 or email to [szajac@hecole.com](mailto:szajac@hecole.com).

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- **Land Surveying Technician** – A Surveying and Engineering firm in East Windsor, CT is looking for a full-time survey technician for office and field work. Requirements are proficiency with AutoCad Civil3D and two years of experience. Familiarity with computations, research, GPS, Flood Elevation Certificates and an Associates Degree is desirable. Compensation and benefits commensurate with experience.

Please reply with a resume and cover letter to [lnoble@jrusso.com](mailto:lnoble@jrusso.com).

We are an affirmative action/equal opportunity employer.

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# Classified

## Hartford County continued...

**BSC Group** - Join our dynamic group of Professional Surveyors, Landscape Architects, Engineers and Environmental Scientists with offices in Connecticut and Massachusetts. We are currently in search talented individuals to work as part of the **Glastonbury** BSC Group Survey Department. The successful candidates will contribute to the preparation and production of boundary, topographic and existing conditions location surveys, subdivision plans, land preservation surveys, metes and bounds descriptions, exhibits, as-built record drawings and other land surveying and civil engineering related work.

- **Survey CADD Technician**

**The responsibilities and competencies of this position include, but are not limited to:**

- Ability to produce finished Survey drawings in a Civil 3D CADD environment
- Understanding of digital field books, field codes and field-to-finish Survey techniques
- Ability to process and edit line work, figures and surface models
- Assist, monitor and advise with the development, documentation and communication of best practices of CADD technologies
- Manage CADD standards, content libraries and templates
- Engage with project teams to strategize, employ and maintain an effective CADD strategy for project deliverables
- Assist in performing field visits required to support design
- Organize and assist with maintenance of CADD project records
- Perform quality control and quality assurance reviews of drawings
- Effectively manage time and avoid distractions
- Proven ability to work with minimal supervision
- Ability to respond to difficult situations and compressed time frames
- Participate on teams involved with multiple projects
- Report pertinent progress information to Project/Department Manager in an organized manner

**Required Education, Experience and Skills:**

- High School Diploma (college degree preferred)
- Formal CADD training
- Proficiency using AutoCAD and Civil 3D software (2015 preferred)
- Prior experience in Land Surveying

- **Survey Party Chief** – requires excellent knowledge of field to finish survey techniques using total station and leveling equipment. Knowledge of GPS data collection is desirable. Responsibilities include performing existing condition/topographic surveys, boundary surveys, and construction staking. A minimum of 5-6 years of field experience, valid driver's license with clean driving record, and excellent math skills. Associate's or Bachelor's degree a plus.

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**Life is 10% what happens to us and 90% how we react to it.**

# Classified

## Hartford County continued...

- **Survey Technician/Instrument Operator** – Must have a minimum of 2 years' experience using total station & electronic data collector. Experience with Carlson and Civil 3D is a plus. Candidates must have high school diploma, valid driver's license with clean driving record, and good math skills.

BSC Group offers a comprehensive salary and benefit package including vacation and sick time, medical, dental, 401(k), life and disability insurance.

### How to Apply

Qualified candidates should send a resume with cover letter to: Human Resources Department BSC Group, Inc. 803 Summer Street Boston, MA 02127 Email: [info@bscgroup.com](mailto:info@bscgroup.com) Fax: 617-896-4301

No telephone calls, no recruiters, please.

BSC is proud to be an Affirmative Action/Equal Opportunity employer. Women, minorities, persons with disabilities and veterans are encouraged to apply.

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Anchor Engineering Services, Inc., a multi-discipline Engineering, Surveying and Environmental firm, is seeking qualified, motivated individuals to fulfill the following positions:

- **Entry Level Land Surveyor** - Math and map reading aptitude, ability and willingness to work outside year round. Field data collector, total station, Global Positioning System (GPS) experience desired but company will train the right person. Must have valid driver's license.
- **Field Surveyors** - Instrument Operators and Crew Chiefs, 1-7 years exp. Data collector, total station exp. required, GPS experience helpful. Pay commensurate with experience.

Benefits including health/dental insurance, 401(k) plan and vacation. Please send resume to: Anchor Engineering Services, Inc., 41 Sequin Drive, Glastonbury, CT 06033. careers@anchorengr.com EEO/AA

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- **Land Survey Manager** - Freeman Companies is a multi-discipline consulting firm in Hartford, CT. We are currently seeking a qualified Licensed Survey Professional(s) to lead our survey staff. Previous project management experience, including project development / marketing is a plus. The qualified candidate will oversee a wide variety of planning, design, and construction surveying projects. Daily responsibilities include working with project managers to ensure effective and timely completion of surveying deliverables, interface with clients, manage daily work activities of party chiefs. Must currently hold a Professional Land Surveying License. Familiarity with Static GPS Survey Technologies, use of Robotic Total Station and familiarity with High Definition Scanning

Pay and benefits commensurate with experience.

Please email resume to [jkeen@freemancos.com](mailto:jkeen@freemancos.com) for consideration.

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# Classified

## Hartford County continued...

- **Survey Technician** - Eversource Energy is seeking a full time Survey Technician, reporting out of the Berlin, CT office. Please follow the link below for details and application instructions.  
[https://eversource.wd1.myworkdayjobs.com/en-US/ExternalSite/job/Berlin-CT/Survey-Technician\\_R-001491-1](https://eversource.wd1.myworkdayjobs.com/en-US/ExternalSite/job/Berlin-CT/Survey-Technician_R-001491-1)

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## Middlesex County

- **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](mailto:contact@lrconsult.com)

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## Windham County

- **CADD Technician/Land Survey Technician** - CME Associates, Inc. a multi-disciplinary engineering firm is seeking a full-time CADD Technician/Land Survey Technician to work in our Woodstock, CT office. The chosen candidate will provide drafting design support to the civil engineering and land surveying departments. The position will require the preparation of drawing sets, base maps, drafting of details, and various site development plans under the direct supervision of a professional engineer/licensed land surveyor. The candidate will also be required to go out in the field to gather survey data, set monuments or stakes and prepare all manners of mapping for our design and construction projects under the direction of a licensed land surveyor. For a full description of this opportunity and where to apply, please refer to our website:  
[www.cmeengineering.com/join-us](http://www.cmeengineering.com/join-us).  
*CME is an EOE/AA/VEV/Disabled Employer.*
- **Graphic Imager/3D Modeler – Engineering** - CME Associates, Inc. a multi-disciplinary engineering firm is seeking a full-time Graphic Imager/3D Modeler to work in our Woodstock, CT office. The chosen candidate will provide digital drafting design support to the civil engineering and land surveying departments. We are seeking a talented individual who is forward looking and eager to keep up with new and changing technology in the field of graphic imaging as it relates to land surveying and civil engineering. A minimum of 2 years' experience in drafting/design or a recent graduate will be considered as well. Working knowledge of AutoCAD and 3D modeling. Responsibilities: Provide support to engineers and management to produce drawings, layouts, sketches, maps and graphic representations of engineering designs using computer-aided drafting software. Work with surveying and imaging group to develop 3D drafting practices. Develop 3D renderings and models based on point cloud and other data. Ability to prepare clear, complete, and accurate work plans and detail drawings. For a full description of this opportunity and where to apply, please refer to our website:  
[www.cmeengineering.com/join-us](http://www.cmeengineering.com/join-us).  
*CME is an EOE/AA/VEV/Disabled Employer.*

# Classified

## Out of State

- **Survey Coordinator** - Eversource Energy is seeking a full time Survey Coordinator, reporting out of the Westwood, Ma office. Please follow the link below for details and application instructions.  
[https://eversource.wd1.myworkdayjobs.com/en-US/ExternalSite/job/Westwood-MA/Survey-Coordinator\\_R-001119-4](https://eversource.wd1.myworkdayjobs.com/en-US/ExternalSite/job/Westwood-MA/Survey-Coordinator_R-001119-4)

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## Looking for Work

- **Rodman**, with instrument operating experience, looking for full-time position in Connecticut. Call the CALS office for a resume and contact information.
- Civil Engineering Student at Three Rivers Community College seeking summer work in Eastern Connecticut. Has survey field work experience. References available upon request. Contact Colin Pailthorpe (colinpailthorpe@gmail.com).
- Construction Management/ Civil Engineering student at Three Rivers Community College looking for summer internship in Hartford, New Haven or Middlesex Counties. Past experience includes working outside landscaping self-employed, working as a mason's helper and for a forestry consulting company. Please contact Ben Coughlin at [benjamin888@sbcglobal.net](mailto:benjamin888@sbcglobal.net) or 860-798-6547.

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## For Sale

- Hewlett Packard HP450c Design Jet plotter that I am selling. I can print on 36" paper and mylar rolls and sheets. Both black and white and color. Also comes with stand and paper tray. \$600 or best offer.

Contact Alan Fenrow [afenrow@gmail.com](mailto:afenrow@gmail.com)



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[evancooper@bearingstar.com](mailto:evancooper@bearingstar.com)

### **BERNTSEN INTERNATIONAL**

Survey Markers & Monuments  
Madison, WE

Tim Klaben - 800-356-7388  
[www.berntsen.com/](http://www.berntsen.com/)  
[tklaben@berntsen.com](mailto:tklaben@berntsen.com)

### **CADNET SERVICES, LLP**

IT Infrastructure & CAD Technology  
Manchester, NH

Rick Ladd - 603-296-2376  
[www.cadnetservices.com](http://www.cadnetservices.com)  
[Rladd@cadnetservices.com](mailto:Rladd@cadnetservices.com)

### **CARLSON SOFTWARE**

Surveying Software

Jim Carlson - 800-283-0023  
[www.carlsonsw.com/](http://www.carlsonsw.com/)  
[jcarlson@carlsonsw.com](mailto:jcarlson@carlsonsw.com)

### **DESIGN PRODUCTS.COM**

Engineering Equipment & Supplies  
Newington, CT

Tim Lagosh - 860-666-8573  
[www.designproductscompany.com/](http://www.designproductscompany.com/)  
[tim@dpccct.com](mailto:tim@dpccct.com)

### **EASTERN TOPOGRAPHICS**

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[e-topo.com/](http://e-topo.com/)  
[wkelloway@e-topo.com](mailto:wkelloway@e-topo.com)

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[tim@betterprofessionalliability.com](mailto:tim@betterprofessionalliability.com)  
[tesler@fenner-esler.com](mailto:tesler@fenner-esler.com)

### **GEOMAPS INTERNATIONAL**

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William Crawbuck - 516-827-9100  
[www.geomapsintl.com/](http://www.geomapsintl.com/)  
[billc@geomapsintl.com](mailto:billc@geomapsintl.com)

### **GOLDEN AERIAL SURVEYS**

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Lenny Johnson - 203-426-3322  
[www.goldenaerialsurveys.com/](http://www.goldenaerialsurveys.com/)  
[lgjohnson@goldenaerialsurveys.com](mailto:lgjohnson@goldenaerialsurveys.com)

### **KEYSTONE PRECISION INSTRUMENTS**

Surveying Instruments & Supplies

Eric Bieler - 860-558-5700  
[www.keypre.com/](http://www.keypre.com/)  
[ebieler@keypre.com](mailto:ebieler@keypre.com)

### **MAINE TECHNICAL SOURCE**

Surveying Instruments & Supplies  
Woburn, MA

Mike Gage - 800-322-5003  
[www.mainetechnicalsource.com/](http://www.mainetechnicalsource.com/)  
[mgage@mainetchhnical.com](mailto:mgage@mainetchhnical.com)

### **BL FINANCIAL ARCHITECTS**

South Windsor, CT

John Carbone - 860-432-1991 ext.355  
[blfinarc.com/](http://blfinarc.com/)  
[jcarbone@blfinarc.com](mailto:jcarbone@blfinarc.com)

### **REYNOLDS STRATEGY GROUP**

Counselors at Law  
West Hartford, CT

Kevin Reynolds - 860-308-2388  
[www.rsgllc.com/index.php/](http://www.rsgllc.com/index.php/)  
[kreynolds@rsgllc.com](mailto:kreynolds@rsgllc.com)

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