



# SAME

## News Brief Philadelphia Post

### PRESIDENT'S NOTE

Winter 2012



Team,

Winter is here! Construction season may slow a bit during these cold months but the Philadelphia SAME Post keeps rocking along! The Philly Post finished 2011 strong with some great events. Monte Carlo Night in September was another huge success and showcased the Post's commitment to our military service men and women and their families. Special Thanks to Jeff York, Wendy Parker, and Sharon Krock

that led the Team that pulled the event together... well done! Then in December the Post participated in the Multi-society meeting hosted by the Engineers' Club of Philadelphia. Thanks to all of our members that attended and donated to Toys for Tots.

2012 promises to be another great year for our Post. We started the year with a presentation on 1 World Trade Center "Special Project Issues" by Urban Engineers, Inc. at the Down Town Club on January 11th. We also have a number of opportunities to support and honor our youth. I encourage you to step up and volunteer for the Future City program on January 28th. This is a fantastic event to encourage and share your expertise with teams of 6th, 7th, and 8th grade students interested in engineering and the sciences. Then in February the Post will host a number of ROTC students as we award thousands of dollars in scholarships to our future military leaders. This year our guest speaker will be Major General Michael Eyre Deputy Command General U. S. Army Corps of Engineers. It will be an incredible night at the Union League on February 8th. I encourage you to attend and congratulate these young Americans. The remaining first half of 2012 will include the Army and Navy Nights and will culminate with another Liberty Golf Classic in June. For more details on future events check out our web site <http://www.samephiladelphiapost.org>.

I look forward to seeing you at our upcoming Post events. Please do not hesitate to contact me ([Philip.secrist@us.army.mil](mailto:Philip.secrist@us.army.mil)) if you have suggestions or would like to be more involved in the Philadelphia Post. Folks willing to dedicate their time and roll up their sleeves are always welcome!

Respectfully,

Philip "Flip" Secrist III  
Post President

*Serving the Birthplace of America's Independence . . .*

### Upcoming Events

#### Philadelphia Post/Regional

**January 11**

*World Trade Center, "Special Project Issues", The Down Town Club, Philadelphia*

**February 8**

*Scholarship Night, The Union League, Philadelphia*

**February 17-25**

*2012 Delaware Valley Engineers Week*

**February 17**, Awards and Proclamation Luncheon, DoubleTree

**February 21**, Young Engineers Social (location TBD soon)

**February 23**, Celebration of Engineering Reception, Pyramid Club

**March 14**

*Small Business Event*

**April 11**

*Navy Night*

**May 9**

*Army Night & Elections*

**June**

*Liberty Classic Golf Outing*

#### National

**February 8-9**

*SAME/IFMA Facilities Management Workshop, San Antonio, TX*

**March 27**

*FY13 DOD and Federal Agency Briefings, Bethesda, MD*

**March 28**

*Academy of Fellows Luncheon, Investiture, Golden Eagle Awards Dinner, Bethesda, MD*

**May 22-25**

*SAME Joint Engineer Training Conference and Expo, St. Louis, MO*

**June 25-27**

*New England & North Atlantic Regional Training Conference, Portland, ME*



**TIMOTHY H. HAAHS, PE, AIA 2012 DELAWARE VALLEY ENGINEER OF THE YEAR**

On November 16, 2011, representatives from the areas engineering and technical societies elected Timothy H. Haahs, PE, AIA as the 2012 Delaware Valley Engineer of the Year. Tim is President and CEO of Timothy Haahs & Associates, Inc. More information on Tim is available here: <http://www.dvewc.org/awards/engineerOfTheYear.php>. Tim will be honored at the Awards and Proclamation Luncheon (<http://dvewc.org/events/engineersWeekLuncheon.php>) on February 17, 2012 and the Celebration of Engineering Reception (<http://dvewc.org/events/engineersWeekReception.php>) on February 23, 2012.

**Caitlin Sullivan  
SAME/Seabees Engineering Camp  
2011**



After choosing our final design we went to the pool to start constructing. Given several large sheets of cardboard, two rolls of duct tape, and plastic wrap, we built our boat in just a few hours. Although our boat did not win any races, we did place second in the competition because we received several points for design and teamwork.

At Naval Base Ventura County I additionally got to see some of the Navy Seabees facilities including the Underwater Construction Battalion, the Civil Engineering Corps test facilities, and an inside view of a MRAP! (Mine Resistant Ambush Protected Vehicle).

Attending this camp had further encouraged me to work hard in my engineering classes at school and also to pursue an engineering career. With my ultimate goal being to attend the United States Air Force Academy and becoming an Air Force officer it is exciting to look at all the military engineering careers!

Dear Mr. Taylor and the SAME Philadelphia Post

Thank you so much for selecting and sponsoring me to attend the SAME Seabees Camp. The experience was truly a highlight of my summer that I will never forget.

Arriving with forty-nine other high school students from across the nation and over-seas at Naval Base Ventura County, in Port Hueneme, California, we started our weeklong engineering camp. Working with the Navy Seabees, we completed numerous engineering and construction activities including concrete beam construction, cardboard boat race, welding, frame construction, and hydraulics. The entire week the six different squads competed for points in the engineering activities, the ultimate frisbee tournament, teamwork, preparedness, and many other things. At the end of the week our squad finished second out of the six squads!

My favorite activity was designing and constructing the cardboard boat. Our group first designed it in the classroom using models, pictures, and formulas. The most important calculation was to determine what the displacement of the water would be when our heaviest squad member was in the boat (to avoid capsizing).



*Completing the teamwork course*

*Thank you again,  
Caitlin Sullivan*

### SMALL BUSINESS COMMITTEE LOOKS BACK AT SUCCESSFUL 2011 AND PLANS FOR IMPROVED PROGRAMS IN 2012

The Philadelphia Post Small Business Committee is happy to have hosted two events in 2011 – an informal happy hour in April and a longer business program in October. Both events gave small business the opportunity to network with each other and with large businesses. We will soon start planning similar activities for 2012 and encourage anyone interested in helping us fulfill our goal of promoting small business participation in the Post to send your ideas to Marc Radell at [marc.radell@urs.com](mailto:marc.radell@urs.com). Our main event will be in March 2012, so please send Marc your input as soon as possible.

On April 21, 2011, the Small Business Committee organized an informal Meet n' Greet at the Tir Na Nog Irish Pub and Grill in Center City Philadelphia. The Post provided complimentary appetizers and the bar offered discounted drink specials. This event was very popular with our younger members and also offered non-members the opportunity to find out more about the Post and the many networking opportunities it offers. In 2012, we plan to offer a similar event in Center City, so please be sure to look for the announcement.

We also held our fifth annual Small Business Event “Small Business/Big Business Matchmaking Expo” on October 12, 2011 at the Down Town Club in Center City Philadelphia. Building on the success of the previous year's event, the Committee invited 12 small businesses to host reception tables where they could network with large businesses on potential teaming opportunities. Of particular interest was the keynote speech delivered by Margot Dorfman, CEO of the US Women's Chamber of Commerce and VP of the National Association of Small Business Contractors.

The Small Business Committee is always looking for ways to improve our offering for small businesses and our annual events, and we are currently considering some new ideas for 2012, including moving the main Small Business Event to March of 2012. We welcome input from anyone and encourage new members to join us, whether you're from a small business, large business, or any other organization. We meet for lunch about once a month and our committee meetings are a fun way to network, as well. Our first meeting of 2012 will be on February 9th.

*The goal of the Small Business Committee is to encourage small business participation in Post activities through outreach, training, networking, and recognition. We also facilitate interaction among small businesses, federal contracting agencies, and large businesses and organize an annual Small Business program as one of the Post monthly events. Membership is open to any Post member in good standing. For more information, please contact Committee Chair, Marc Radell at [marc.radell@urs.com](mailto:marc.radell@urs.com).*

## ARE YOU READY FOR READINESS?

The dictionary defines readiness as “the state of being ready or prepared, as for use or action” and “willingness or eagerness to do something”. The goals of the Readiness Committee for 2012 will be to accomplish those qualities for the Philadelphia Post and once again satisfy the Streamer “with Distinction” criteria. The 2012 Readiness committee has been organized and current members include Major Nisit Gainey (USACE), Holly Hess (AMEC), Dave Lindenmuth (Lewis Environmental Group), Leonard Wenger (Philadelphia Electrical Equipment Co.), Dan Beahan (ALS Global), Paul Gaudini (Advisor), Terry Daglis (Barlovento) and Jay Kruse (Dewberry).

Over the course of 2012, the committee will be contacting SAME members in an effort to satisfy the long standing readiness objectives as defined in the previous Philadelphia Post Emergency Preparedness and Response Report which include:

1. Educate SAME members and develop the society’s programs based on requirements of the National Response Plan (NRP) in order for members to be in a position to respond to public agency requirements.
2. Foster dialogue and relationship building between the private sector and public entities responsible for NRP implementation.
3. Promote opportunities to Sustaining Member Firms in the accomplishment of national security and emergency response programs; to include facilitating collaboration between small and large businesses and supporting small business goals of the responding agencies.

We will be reaching out to Sustaining Member Firms and Post members to update contact information and capabilities, solicit involvement and support for Post mobilization and readiness exercises, and attendance at various readiness and homeland security workshops. So if you hear from one of the committee members listed above please take some time to assist them with their request and actively participate in readiness events throughout the year. Your involvement and contribution is important to achieve the readiness objectives of the Post and promote a successful response to potential natural and man-made disasters or major national emergencies in the region should they occur. On behalf of the Readiness Committee, we look forward to working with all Post members and governmental agencies in advancing the readiness and preparedness goals of SAME in the New Year.

Sincerely,

Jay Kruse  
Chair, Readiness Committee.



**About NTM**

NTM Engineering provides engineering design and training services for public and private sector clients. The firm develops and instructs technical training courses on H&H, stormwater, and erosion and sedimentation control. Since 2007, NTM has instructed over 75 courses across Pennsylvania.

**The Instructors**

**Jeffrey MacKay, PE, CPESC**

Mr. MacKay is a principal and senior engineer with NTM. Over the last 10 years, he has completed E&S Control Plans for various Pennsylvania highway and land development projects. He is the author of PennDOT's first comprehensive Stormwater Management Policy and assisted in developing PennDOT's *Drainage Manual*.

**Paul DeBarry, PE, PH, GISP, DWRE**

Mr. DeBarry is NTM's director of watershed studies and geospatial technologies. He has managed 30+ Act 167 Stormwater Management Plans and been involved in E&S Control Plans throughout his 30-year career. Mr. DeBarry is an adjunct lecturer at Penn State's Wilkes-Barre campus and the author of *Watersheds: Processes, Assessment, and Management*.



NTM Engineering is a Registered Continuing Education Provider (RCEP)

NTM Engineering  
Presents:  
**BMPs for Erosion and Sediment Control Plans**

**Selecting and Designing BMPs Using the New PA DEP Erosion & Sediment Control BMP Manual**



**Registration Form**

Seating is limited

Registration deadlines:  
King of Prussia – February 10  
Pittsburgh – April 27

Preregistration and prepayment are required.

Register and pay online at [www.ntmtraining.com](http://www.ntmtraining.com)  
OR

Mail your check for \$695 payable to NTM Engineering along with this form to **NTM Engineering, 130 West Church Street, Suite 200, Dillsburg, PA 17019-1232**

Payments are nonrefundable.  
Send multiple personnel from your firm and receive a discount. Call for more information.

Questions? Contact Jen Smyers at (717)432-4425 x117 or email her at [jsmyers@ntmeng.com](mailto:jsmyers@ntmeng.com)

King of Prussia     Pittsburgh

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State Zip: \_\_\_\_\_  
Email: \_\_\_\_\_  
Phone: \_\_\_\_\_



February 22-23, 2012  
King of Prussia

May 9-10, 2012  
Pittsburgh

16 PDHs for \$695

**Course topics include:**

- ❖ Notable additions and changes to the new *PA DEP Erosion and Sediment Control BMP Manual*
- ❖ Proper selection and cost-effective design of various E&S BMPs
- ❖ Design considerations in special protection watersheds and areas adjacent to streams and wetlands

**Course participants will be able to:**

- ❖ Identify cost-saving opportunities associated with E&S Plans
- ❖ Avoid common design errors that result in re-submissions
- ❖ Design various types of perimeter sediment controls
- ❖ Select and design appropriate channel lining
- ❖ Locate and design sediment basins and traps
- ❖ Properly size rock outlet protection
- ❖ Modify BMP specifications in sensitive areas

For more information and to register online, visit [www.ntmtraining.com](http://www.ntmtraining.com)

## SUSTAINING MEMBER FIRMS

*We would like to thank our 2011  
Sustaining Member Firms!*

Advanced GeoServices Corp.  
AMEC  
Apex Environmental Inc.  
ARCADIS  
Avatar Environmental

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Michael Baker Corporation  
The Louis Berger Group Inc.  
Black & Veatch Special Projects Corp.  
Borton Lawson, Inc.  
Brinkerhoff Environmental Services, Inc.  
Buchart Horn Inc.  
Burns Engineering Inc.

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Cabrera Services, Inc.  
CAPE  
CDM  
CH2M Hill  
Chu & Gassman  
Conti Federal Services Inc.  
Cutler Associates Inc.

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EA Engineering Science & Tech. Inc.  
Earth Tech Inc.  
ECOR Solutions, Inc.  
Engineering-Environmental Management Inc.  
ENTACT  
Erdman Anthony & Associates  
Ewing Cole

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Free Axex USA, LLC

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GTS Technologies Inc.  
GZA GeoEnvironmental Inc.

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Hayes, Seay, Mattern & Mattern Inc. (HSMM)  
Hill International, Inc.  
HNTB  
HydroGeoLogic

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Integrated Strategic Resources LLC

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Jacobs  
Jones Lang LaSalle, Public Institutions

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KCI Technologies Inc.

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L. Robert Kimball & Assoc. Inc.  
Kling Stubbins

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Langan Engineering & Environmental Services Inc  
Lewis Environmental Group

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Malcolm Pirnie Inc.  
A D Marble  
McDonough Bolyard Peck, Inc.  
Mill City Environmental Corporation  
Modspace Inc.

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NDI Engineering Company  
Normandeau Associates Inc.  
NTH Consultants Ltd.

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O'Brien & Gere

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Parsons  
PB  
PBS&J  
Pennoni Associates Inc.

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Regan Young England Butera, PC

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SaniGlaze International, LLC  
Schnabel Engineering  
Science Applications International Corp.  
Sevenson Environmental Services Inc.  
STV Inc.

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Terra Environmental Services, Inc.  
The Shaw Group  
Taylor, Wiseman & Taylor  
Tetra Tech Inc.  
Trauner Consulting Services Inc.  
TTI Environmental, Inc.  
Tug Hill Construction

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Urban Engineers, Inc.  
URS Corporation  
USA Environmental Management, Inc.

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Vollmer Associates

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WESTON Solutions, Inc.



**Job Title:** Project Engineer  
**Division:** Environmental Services  
**Job Status:** Full-Time  
**Min of Salary Range:** \$45k to \$70k, commensurate with experience, plus competitive benefits.  
**Location:** San Antonio, Texas or Philadelphia, PA Metropolitan Area

### Firm Description

Stell Environmental Enterprises, Inc. is a rapidly-growing, fast-paced, entrepreneurial small business that provides environmental compliance audits and assessments, permitting, investigation, planning, and engineering services nationwide to federal and state clients. We are seeking an experienced project engineer to lead environmental services project tasks. The ideal candidate will have substantial experience supporting projects contracted by state transportation and/or federal DoD agencies.

### Job Description and Requirements:

- 5 to 10 years of directly-related technical and task management experience.
- Current PE license. PMP and OSHA 40-hour HAZWOPER training certification a plus.
- Requirements: (1) excellent writing and oral communication skills; (2) successfully partner with clients and regulatory agencies; (3) support technical staff on engineering tasks; (4) perform and supervise field investigations; (5) develop, review, and produce planning, documents, progress reports, and project deliverables; (6) monitor and conform to budget, schedule, and performance goals; (7) select and manage subcontractors; (8) participate in all project tasks ranging from scoping and historical research to data analysis and report preparation; and (9) ensure technical quality and safety in all aspects of job performance.
- Knowledge and skills: (1) NEPA, CERCLA, RCRA, and other relevant federal and state regulations and guidance; (2) MS Office Suite including MS Project; (3) CPFF, T&M, FFP, and PB contracting; (4) cost estimating and resource scheduling; (5) environmental assessments, permitting, and compliance auditing; (6) sampling and analysis protocols, subcontractor scope writing, (7) site characterization, remedial investigation and alternatives development, innovative remedial technologies; and (8) H&S and QA/QC processes and protocols.

This is a critical support position that reports to an environmental services project manager. The successful candidate will interface directly with clients, stakeholders, team members, and subcontractors. A high-degree of professionalism and competence in project delivery is essential for success. Project-related travel will be required.



## Government Services IPT Personnel Registrations

Largo, MD, October 2011- Government Services Integrated Process Team (Government Services IPT) is pleased to congratulate the following team members on their recent professional certifications:

### **Building Commissioning**

Richard Payne has become a Certified Building Commissioning Professional (CBCP). The CBCP is the Association of Energy Engineers' (AEE) designation which recognizes the most qualified professionals in the energy industry. To obtain the CBCP one must demonstrate high levels of experience, competence, and specialized knowledge within the field of building commissioning.

### **Success Estimation**

Rick Bogart has become a certified Success Estimator. Success Estimator is a Windows based estimation software that is recognized by government agencies and private industries alike for offering ideal estimating solutions ranging from parametric cost models to detailed bottom-up estimates.

### **Energy Management**

Steven Oxendine has achieved certification in energy management. As a Certified Energy Manager, Mr. Oxendine joins an elite group of "who's who" in the energy management field, as the designation recognizes individuals who have demonstrated high levels of experience, competence, proficiency, and ethical fitness in the profession.

### **Planning**

Jordan Friedberg and Shaun Fountain have become certified planners through the American Institute of Certified Planners (AICP).

AICP is the American Planning Association's professional institute. Certified planners use their skills to create communities of lasting value and encourage civic leaders, business interests and citizens to play a meaningful role in creating communities that enrich people's lives. AICP certified planners carry a high mark of distinction, as they are required to meet rigorous standards, maintain their expertise through continuing education, and serve community interest.

### **About Government Services IPT:**

Government Services IPT is a multidisciplinary professional services firm providing architecture, capital asset management, construction management, engineering, information technology, planning, program management and sustainability services for government agencies. We are an SBA 8(a) certified woman-owned business that combines the talent and experience of a large firm with the customer focus and attention of a small firm.

We provide project lifecycle services from studies and RFP development to Construction Management. We specialize in providing innovative, cost effective solutions to meet the changing needs of our clients. Our staff has more than a decade of specialized experience in sustainable planning, design and construction for a variety of federal facilities. We have helped numerous government clients, including the Department of Defense (DoD), US Army Corps of Engineers (USACE), US Air Force, US Army, US Navy, Department of Homeland Security (DHS), National Aeronautics and Space Administration (NASA) and various states with A/E Design services, capital improvements, planning, renovation and new construction, and real property design and facility management.  
[www.GSipt.com](http://www.GSipt.com)

For more information please contact Michael Thomas, Vice President at [mthomas@gsipt.com](mailto:mthomas@gsipt.com)



Weston Solutions, Inc. (WESTON®) announces the launch of a new GreenGrid® green roof product.

WEST CHESTER, PA — November 1, 2011 – Weston Solutions, Inc. (WESTON®) announces the launch of a new GreenGrid® green roof product. The company’s newest release, the G4, significantly improves the benefits their modular green roof system is already known, for including its simplicity of design, flexibility, aesthetic appeal, stormwater retention capabilities, and helping to achieve sustainable, green goals for development projects, including contributing to Leadership in Energy and Environmental Design (LEED®) credits.

The all new “G4” GreenGrid modules maximize stormwater capture by engineering a critical balance between high water retention and system weights. Heavy rainfalls produce higher flows and volumes of stormwater runoff that require storage, channeling, and in some cases, treatment. In many cities this causes excess water and contaminants to overtax sanitary and stormwater systems resulting in flooding and severe surface water impacts. Vegetated green roofs help mitigate those issues, but the G4 system takes it to a new level. It’s capable of mitigating up to 5,300 gallons of stormwater from a typical 1-inch rainfall on a 10,000-sq-ft GreenGrid installation—23% more than previous GreenGrid modules.

With a new zero-edge design, module edges are so thin the seams are nearly invisible beneath a mature pre-vegetated green roof. Fully mature and aesthetically beautiful upon installation, the new module will be sought after for both its visual and functional benefits. It not only expands a building’s useful space by creating dynamic and appealing healing gardens, vistas, patios, and rooftop entertainment areas, it improves energy efficiency and reduces the urban heat island effect.

GreenGrid consists of 2-ft by 2-ft modular trays made of 100% recycled materials. Modules, offered in 4-, 6-, and 8-inch depths, are planted and maintained at a partner nursery, delivered pre-vegetated, and then placed directly on the waterproofing membrane of the building’s roof. Unlike built-in-place layered-style and hybrid systems, GreenGrid modules remain completely modular, allowing easy access to a facility roof. Modules can be removed, set aside, and replaced if rooftop maintenance is needed.

This year WESTON surpassed the 4 million-sq-ft mark of GreenGrid installations around the country—walking the talk by installing GreenGrid roofs on WESTON regional offices in Concord, NH, and Lakewood, CO. View project examples and photos on the new website at [www.greengridroofs.com](http://www.greengridroofs.com). Also, learn more about product features, design and installation guides, and ownership expectations. GreenGrid® Green Roof System is a proprietary technology of ABC Supply Co., Inc., licensed exclusively in the U.S. and Canada to Weston Solutions, Inc.

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## Weston Solutions, Inc. (WESTON®) is putting its expertise to work to help healthcare organizations attain their sustainability goals

WEST CHESTER, PA — October 31, 2011 – Weston Solutions, Inc. (WESTON®) is putting its expertise to work to help healthcare organizations attain their sustainability goals. A new Weston specialty team will design and implement sustainable systems and practices in hospitals worldwide. While the demand for sustainability within healthcare facilities is strong and growing, many organizations are overwhelmed by the broad spectrum of possibilities and unclear about how to maximize their Return on Investment (ROI) in sustainability initiatives. As a result of 50 years of experience helping organizations of all types address their toughest environmental and sustainability challenges, Weston has developed an approach that focuses on: 1) holistic strategies that integrate across media (e.g. water, air, solid waste) and infrastructure types; 2) combining consulting with implementation to provide solutions, not recommendations; and 3) aligning programs with strategic business objectives to maximize ROI.

Through its work with U.S. Army hospitals under a recently renewed contract with the U.S. Army Medical Command (MEDCOM) worldwide, Weston identified a growing need for guidance with hospital sustainability initiatives. Weston also conducted studies of major health systems throughout the United States – their research revealed that healthcare facilities have a strong desire to adopt sustainability practices. Yet few are taking a comprehensive approach to planning and managing those programs, an approach that yields a true triple-bottom line benefit of people-planet-profit.

Weston's new healthcare sustainability practice, led by Anna Gilmore Hall—a pioneer in the greening of healthcare—will evaluate programs and options strategically to help each healthcare system devise its most effective plan. Until recently Gilmore Hall was the executive director of Practice Greenhealth, the nation's leading membership and networking organization for green healthcare.



## Battalion Operation Facility Portsmouth Naval Shipyard, Kittery, ME



The design of a new energy-efficient facility on an existing Naval Shipyard surrounded by historical buildings posed a particular challenge — and Quad3 Group took the “LEED” in developing a high-performance solution.

This project involved the design of an 11,000 SF building for use as a special purpose battalion headquarters for the U.S. Army New England Recruiting Center at the Portsmouth Naval Shipyard in Kittery, Me. The building serves 40 military and civilian personnel and is comprised of private offices, open office workstations, a state-of-the-art video-conference training room and a storage area which acts as the control hub for receiving and shipping various supplies to the 40 New England Recruiting Stations.

Quad3 Group was tasked with designing this building to achieve a minimum of LEED Silver Certification. This was accomplished through the careful consideration of LEED credits and where they could be applied from conceptual design through construction documents. The selection of sustainable and locally manufactured building products, energy-efficient building systems, and environmentally sensitive processes has made a significantly positive impact on the design as well as the occupants' comfort. Due to combined efforts of the Navy, the contractor and our design team, the project currently is at a LEED Gold Certification Level. If the Gold certification level is achieved, the US Army New England Recruiting battalion will be the first building at the Portsmouth Naval Shipyard to achieve Gold.

The building is located on a previously demolished building site. Civil design included all necessary site work, grading, paving, drainage, utilities, erosion control, landscaping and lighting to construct the project. LEED design strategies were considered in all site design decisions. New mechanical systems for the building were designed and selected to serve the needs of the occupants at a reasonable first cost. The system includes individually zoned systems with heating and cooling. The plumbing system was designed with the intent of a 20% reduction in consumption through the use of low flow fixtures. The building electrical systems were designed and selected to serve the needs of the building occupants within a reasonable budget, while taking into account LEED design strategies consistent with the Silver certification goal. The electrical system was

designed to give maximum consideration to the comfort of the occupants, which includes individually zoned occupancy sensors with integrated daylight harvesting to limit and reduce the energy usage needed from the local utility. A lightning protection system was designed for the building as were interior communications and security systems.

Because safety is essential, fire protection involved the design of a wet sprinkler system for complete coverage throughout the facility.

The high-technology system design features a complete electrically supervised, addressable intelligent, manual and automatic, annunciated fire alarm and detection system which connects to the Navy Base's campus wide fire alarm reporting system.

Quad3 Group developed a complete F, F, & E design package for the project. The interior building materials, finishes and furniture were chosen to provide ease of maintenance, durability and long life.

Consideration was given in the selection of all finishes, fixtures and furniture not only for LEED Certification but for flexibility, comfort and the well-being of the building occupants.

The "big picture" design developed by Quad3 Group took into account visual context and historic continuity. These solutions compliment the surrounding historical environment while paying tribute to the materials and color palette of the existing buildings—therefore maintaining a unity with the Portsmouth Naval Shipyard. The incorporation of sustainable ideas into the facility from conceptual design has created an attractive and environmentally-sensitive building befitting this military installation and the program it serves.



GENTERRA Consultants, Inc.  
(GENTERRA) recently opened a branch  
office in Philadelphia, PA

Philadelphia, Pennsylvania – October 1, 2011 – GENTERRA Consultants, Inc. opened up a branch office in Philadelphia, PA on October 1, 2011. The Philadelphia branch office is one of GENTERRA's four branch offices located throughout the United States. GENTERRA Consultants, Inc. is a consulting civil engineering and geotechnical services firm, founded in 1995, specializing in dam and levee safety, design and evaluation of dams, levees, other water facilities, and dam failure inundation studies. The firm provides the full range of geotechnical services, particularly for water storage and water conveyance facilities, such as channels, canals, and pipelines. Headquarters are in Irvine, CA with other branch offices located in Sacramento, San Diego, CA and Lakewood, CO.



Stell Environmental Enterprises, Inc. (SEE) is an 8(a), woman-owned SB headquartered in the Philadelphia metropolitan area, with office locations in Virginia, Texas; and Washington state and project offices at federal facilities in numerous locations across the nation. In 2011, SEE received 11 competitive and sole-source prime federal AE and environmental services contracts. Most recently, SEE was awarded a competitive environmental remediation services contract with the USACE Seattle District.

In our restoration, compliance, planning, and technical services practices, SEE supports projects from NEPA and cultural and natural resource surveys and assessments to remedial and munitions investigations. SEE's understanding of military missions allows it to recommend and implement comprehensive solutions for installation clients. SEE provides client site program support to Army installations in the areas of NEPA support, cultural and natural resource management, environmental compliance, pollution prevention, range sustainability and integrated training area management, and energy management.

[www.stellee.com](http://www.stellee.com)



## Urban Engineers Hosts Tour of NYC "Mega Projects"

Urban Engineers (Urban) recently hosted a group of clients and members of the firm for a day-long public tour of the NYC "Mega Projects" – East Side Access, Second Avenue Subway and One World Trade Center. Urban has been playing a vital role in managing the construction of these projects.

The tour began at Urban's New York City (NYC) office with a warm welcome from Urban's Senior Vice President, William Thomsen, PE, a key contributor and Program Director in obtaining approval for the Metropolitan Transportation Authority's entry into the \$4.0 billion Full Funding Grant for the East Side Access and Second Avenue Subway projects, the largest ever granted by the Federal Transit Administration (FTA).

Following the welcome, Urban's NYC Deputy Office Manager, Edwin Williamson, PE, presented on Urban's Program Management Oversight of the East Side Access and Second Avenue Subway projects, two of the largest public works projects ever in America. The group visited the East Side Access site in Queens where they could witness the unique challenges of the project, which, by 2020, is expected to provide a more convenient trip for the 160,000 daily trips by Long Island Rail Road passengers to Mid-Town Manhattan.

After returning to the NYC office for refreshments, the group assembled for a presentation of One World Trade Center (previously referred to as the Freedom Tower) by John Sabatino, AIA, LEED® AP. This was followed by a visit to the construction site where, as part of a joint venture, Urban has been monitoring the design and construction of the \$3.1 billion project since 2007. Mr. Sabatino is leading the technical

effort for the joint venture by supplying legal and accounting professionals with the technical architectural and engineering expertise required to provide the monitoring for The Port Authority of New York and New Jersey (PANYNJ) executive team.

The final stop was for a World Trade Center Memorial tour, where Urban's Safety Manager Christopher Connor, retired Fire Department City of New York Fire Marshall, spoke about his experience as a survivor and first responder to the site during the September 11, 2001 terrorist attacks.

"The size, scale and logistics of the Mega Projects were very impressive and should be witnessed first-hand," said Aegis Property Group Partner Jim Price, who attended the tour. "Urban's role in overseeing these projects is vital as the organizational structure and dynamics required to implement such major undertakings places great demands on the federal and local transit authorities. In many ways, these projects were far more complex than large scale commercial projects...but, after all, how many \$12 billion-plus commercial projects are there?" Urban is planning to continue these tours during 2012.



## VAMC Philadelphia Parking Facility to Improve Patient Service

The Philadelphia campus of the U.S. Department of Veterans Affairs Medical Center is currently experiencing a significant transformation of its campus. The recently completed VAMC parking facility expansion will provide more convenient parking options for hospital patients, visitors and employees alike.

The parking expansion will provide approximately 450 new spaces on campus. The garage will now more affectively accommodate the growing parking needs of the campus, and create a more pleasant and safe parking experience for users.

The expansion of the parking facility is a result of the gradual increase in the number of VAMC patients and employees in recent years. Parking at the downtown Philadelphia campus had become insufficient and inconvenient, causing insufficient parking supply and creating a number of issues for users. However, the new expansion will adequately accommodate the parking needs of the medical center now, and after future expansion.

Timothy Haahs & Associates, Inc. (TimHaahs) provided prime parking garage design services for the facility including structural engineering, architectural design and parking consulting. TimHaahs worked closely with Pennoni Associates of Philadelphia, who provided civil engineering, MEP and geotechnical services for the project.

Timothy Haahs & Associates, Inc. is a multi-disciplined engineering and architectural firm that specializes in the planning, design, and restoration of parking and mixed-use structures. For more information, please contact Adrienne Fessler in Marketing ([afessler@timhaahs.com](mailto:afessler@timhaahs.com)) or refer to our website at [www.timhaahs.com](http://www.timhaahs.com).