



DETROIT POST
DEDICATED TO THE NATIONAL DEFENSE

THE SOCIETY OF AMERICAN MILITARY ENGINEERS

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JANUARY 2012

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TOPIC: MICHIGAN AVENUE BIORETENTION THREE YEARS LATER: The Monitoring Results are In

SPONSOR: GZA GeoEnvironmental, Inc.

SPEAKER: Mr. Dan Christian will be presenting on a bioretention project in Lansing, MI. A demonstration project integrating combined sewer separation work and decentralized stormwater treatment was completed in an ultra-urban business district along a downtown street leading to Michigan’s Capitol. This project encompasses 4 blocks along a very busy 5-lane street with parallel parking and extra wide sidewalks lined with stores, restaurants, and other businesses. A common “garden” theme is carried throughout the project area, but based on the extensive underground utilities, the storm water improvements are customized to each of the blocks. Planning began in 2004, construction took place in 2007, and the vegetation was established in 2008. A total of 7,631 square feet of bioretention was constructed. The end result is that at least 1-inch of rainfall (~90% of average annual rainfall) is treated throughout the entire project and over 4-inches of rainfall is treated in certain areas. The system can store over 80,000 gallons and annually captures and treats over 2.7 million gallons of runoff. A short biographical summary is included in the attached newsletter.

DATE: Wednesday, January 11, 2012

TIME: 11:30 am until 1:00 pm Luncheon/Luncheon Speaker

PLACE: Doubletree Guest Suites Fort Shelby, 525 W. Lafayette Blvd., Detroit, MI

(Fort Lernoult Conference Room – located on the second floor of the Doubletree)

MENU: WOODLAND CHICKEN - Shitake breaded with wild mushrooms, Goat cheese and Marsala Glace de poulet, includes house salad, chef’s choice of vegetable and potatoes, rolls and butter, freshly brewed coffee, decaffeinated coffee, iced tea and a dessert.

NOTE: Vegetarian meals are available only with advance registration.

PRICE: \$25.00

RESERVATIONS: E-mail Pam.Horner@usace.army.mil by noon Tuesday, January 10, 2012.

BOARD OF DIRECTORS MEETING: Will be held at the Doubletree Fort Shelby, 10:30 a.m. Second Floor Conf. Rm., adjacent to the Fort Lernoult Conference Room.

SUSTAINING MEMBERS

Advanced Environmental Management Group
BayShore Contractors, LLC

AECOM
Bristol Alliance of Companies

AMEC
CH2MHILL

Barr Engineering Co.

Collins Engineer, Inc.

CTI and Associates, Inc.

Detroit Radiant Products Company

Civil & Environmental Consultants
DLZ National

Duro-Last Roofing, Inc.

Eaton Corporation

Environmental Compliance Office

Environmental Consulting & Technology

Fishbeck, Thompson, Carr & Huber

Foth

FutureNet Group

Ghafari Associates

Gourdie/Fraser & Assoc.

GZA GeoEnvironmental, Inc.

HDR

HNTB

HSW Engineering	IET, Inc.	Kwest Group LLC	Lakeshore Engineering Services
Luedtke Engineering Co. Orchard, Hiltz & McCliment, Inc. RTI Laboratories SOMAT Engineering, Inc. Trace Analytical Laboratories	MWH Professional Services Industries SAIC Stantec, Inc. TriMatrix Laboratories	NTH Consultants, Ltd. Rowe Incorporated SEH TesTech, Inc. Unified Business Technologies, Inc. WF Baird & Assoc.	O'Brien & Gere Engineers Ryba Marine Construction Co. Siemens Industries, Inc. Tetra Tech URS Corporation
Walbridge	WESTON Solutions, Inc.		Wilbur Smith Associates, Inc.
Woolpert			

DETROIT POST S.A.M.E. NEWSLETTER JANUARY 2012

PRESIDENT'S MESSAGE: I like to wish everyone a very Happy New Year and begin by thanking last year's Post-President Anne Parker, and the Post Officers, Board of Directors, and Committee chairs for their leadership in making 2010-11 a very successful year for the Detroit Post. I have enjoyed my first few months as Post President, and I look forward to working with everyone to build upon those successes into 2012.

I have participated in three events over recent months that, along with the thoughts of the Directors and other Post members, have helped shape my vision for the future direction of the Post. First we hosted Regional Vice President Joan Freitag for a Post goal setting session in September. She offered sage advice that there are many goals and opportunities for Posts to pursue, but the key is to focus on a manageable number of initiatives to advance. Following that was the Regional S.A.M.E. Conference in Milwaukee in October, and finally the National S.A.M.E. Small Business Conference in National Harbor, Maryland in November. Those conferences resulted in ideas for how best to pursue the three National S.A.M.E. focus areas – sustainable installations, joint engineer contingency operations, and support to wounded warriors and families of fallen warriors. 2012 is indeed another year to make a difference!

What I ask the Post to focus on in 2012 is:

- Earn the Distinguished Post streamer.
- Support wounded warriors and families of fallen warriors. In December, the Board approved a \$2000 Detroit Post contribution to QL + (see A Note from the President in the November/December issue of The Military Engineer). Beyond that, I am looking for a volunteer to assume committee leadership of Post efforts, to develop relationships with Michigan organizations that support wounded warriors and the families of fallen warriors, and to develop ways for the Detroit Post to become an active contributor to this community.
- Welcome Sault Ste Marie as a Field Chapter of the Detroit Post, and successfully complete the transition.
- Generate Student Chapter activities with the University of Michigan and with the University of Toledo.
- Increase public sector membership.
- Generate additional committee participation. Ideal committee composition includes a member from the public sector, a sustaining member, and a young or student member. Full and active committees would then meet regularly (at least monthly) and the monthly Post Board meetings will be used to keep the Board informed of committee activities.
- Execute another successful Small Business Conference in April.

Thank you all for the energy and enthusiasm you bring to our Detroit Post and to our profession. I wish everyone a very enjoyable and prosperous year in 2012!

v/r,
Mike Derosier, P.E.
Post President

DETROIT POST WEB SITE: Please note that the Detroit Post web site is: www.same-detroit.org. You can find out about current meetings, and past meeting information.

FIELD CHAPTER: The Board of Directors of the Detroit Post is recommending a field chapter for the previous Soo Post of SAME. The Soo Post was dissolved as a post because they could not meet the sustainability criteria, however, there is interest and active members in the Soo area that wish to continue to participate with SAME. A field chapter would allow SAME members to benefit from SAME post membership. A new charter would be required to establish the field chapter, and must be approved by the membership of the Detroit Post. A vote will be taken at the January meeting on this proposal. If you wish to obtain more details of the requirements of a field chapter, please contact Pam Horner at pam.horner@usace.army.mil.

READINESS COMMITTEE: If you are a new Sustaining Member to SAME – Detroit Post, please submit your capability for Readiness to Damien Wetzel so he can include your firm in our current plan. Damien is our chair of the Readiness Committee and can be reached at (734) 262-1431.

STUDENT CHAPTER – University of Michigan ROTC – The student chapter will continue to meet monthly. LTC Ahaus will be looking for speakers at future meeting dates, so if you have any suggested meeting topics that would be of interest, please let the Post Secretary know and we will pass it on to the student chapter.

EDUCATION/TRAINING: The Detroit post encourages members and sustaining members to submit articles to The Military Engineer or other professional journals. Please let us know when you submit articles so that we can include it in our Education/Training Streamer submittal for the Detroit Post, by e-mailing the Post Secretary at pam.horner@usace.army.mil. These articles can be submitted monthly and are due by the 15th of each month.

MEMBERSHIP: It is very important that you keep your membership contact information current. Without current contact information for our members, the Detroit Post and SAME HQ are unable to send out important membership information such as membership cards, certificates, magazines and invoices. Additionally, if SAME HQ does not have current information on members, the membership Post Roster reports will reflect outdated information and result in members not being contacted with important information. Currently, SAME HQ receives quite a bit of return mail and e-mail each month for incorrect addresses and/or no forwarding address. The U.S. Post Office charges a fee for returned mail and SAME HQ would prefer to put this money to better use.

Please be advised that presently the SAME Web site requires two different logins depending on the Web activity. For all members who wish to view “Member’s Only” areas such as Society, Regional and Post Operations, and Member Benefits must use their last name and six-digit numeric member ID. Individual members, who wish to update their contact information, must use the e-mail address we currently have on file for them and a unique password. If they do not know their password or have forgotten it, they can e-mail the membership department at member@same.org. Sustaining Members must use their last name, member ID and e-mail address in order to update their contact information using the web. If there is no e-mail on file in your membership records, you need to call SAME HQ membership department and have then input your e-mail.

Much effort is required to address undeliverable mail and we greatly appreciate your assistance in updating your contact information to make this job easier.

COMMITTEES:

PROFESSIONAL DEVELOPMENT: The Detroit Post offers Professional Development Hour (PDH) credits for attendance at designated SAME events. The Professional Development Committee will maintain records and track PDH credits earned by attendees at Post events. PDH certificates will be provided at the monthly luncheons meetings.

AFFILIATE SOCIETY: ESD has requested judges for the Michigan Regional Future City Competition on January 30, 2012. The actual judging is from 9:00 to 11:00 a.m., however, training will be provided on the day of the event at 7:30 a.m. If interested in judging this event, please contact Ms. Leslie Smith at 248-353-0735 ext 152 or lsmith@esd.org and let me know if you are participating so that we can record our volunteer members.

ESD offers a free networking event every 3rd Thursday at the Skyline Club in Southfield from 4:00-6:00 p.m. If interested, see the ESD calendar noted below.

ESD also offers several monthly events available to our post members as well as a PE Review Course coming up in January through March 2012. For details on the available events, please visit the ESD calendar of events (www.esd.org).

BIO: Mr. Daniel (Dan) Christian is a Senior Project Manager and Senior Water Resource Engineer with Tetra Tech. Dan has a BS and MS in civil engineering from Michigan State University and is currently licensed in Illinois, Michigan, Nebraska, Ohio and Wisconsin. He has over 21 years of diverse experience in hydraulics, hydrology, computer modeling, stormwater management, stormwater permitting, low impact development design, master plans, water quantity and quality monitoring, project development and project management. Dan has worked on a wide variety of projects including NPDES permitting, watershed management, hydrologic and hydraulic studies, and a variety of design and construction projects.

The study, design, construction and monitoring of green infrastructure projects has been a mainstay for Dan for a number of years. He has prepared numerous studies and designs for a wide variety of BMPs such as rain gardens, bioretention, infiltration, porous pavement, water conservation, and others. Dan's work often involves green infrastructure in roadway corridors as well as site developments. Dan came up with the idea and was the lead water resource engineer for the bioretention system designed for the City of Lansing along Michigan Avenue which treats stormwater runoff in excess of the 25-year 24-hour storm event. He is also knowledgeable on the EISA 2007 Section 438 rules having work on projects for the DoD at the Detroit Tank Arsenal, the Army National Guard at Camp Atterbury, and Fort Campbell Army Base.

SUSTAINING MEMBER NEWS

Hello SAME Sustaining Members,

Monthly Sponsors – The Detroit Post invites one of our members to sponsor the monthly luncheon. The cost is \$300.00, which will pay for the room and equipment rental. You will also be given a 5-minute spotlight to present an overview of your company. Please contact Pam Horner is interested in sponsoring a monthly luncheon at pam.horner@usace.army.mil.