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DETROIT POST
DEDICATED TO THE NATIONAL DEFENSE

THE SOCIETY OF AMERICAN MILITARY ENGINEERS

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SEPTEMBER 2009 SAME MEETING

TOPIC: MICROPILES AND UNDERPINNING

(Earn 1 Professional Development Hour)

SPONSOR: RTI Laboratories

SPEAKER: Mr. Richard Anderson, P.E., and Mr. Steve Maranowski will present an informative discussion on the design and construction of micropiles, including their use as high capacity foundation elements. The use of micropiles (sometimes called mini-piles) is increasing throughout the United States. In the recent past, micropiles were used primarily for underpinning structures where site, geological, or cost constraints ruled out other forms of underpinning. That has now changed and micropiles are becoming more mainstream as an alternative foundation type for new construction. Micropiles are defined by the Federal Highway Administration (FHWA) as piles less than 12 inches in diameter. The definition in use regionally limits the diameter to 6 or 8 inches in diameter. Allowable loads of over 100 tons are commonly being used. This presentation will focus on the design and construction of several local projects where micropiles were successfully used. These include underpinning of distressed structures, support of bridge piers, and new construction at a power plant where tight working conditions precluded any other reasonable foundation system. Short biographical sketches of the presenters are included in the newsletter.

DATE: Wednesday, September 9, 2009

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 September 8, 2009.

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.

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DETROIT POST S.A.M.E. NEWSLETTER
SEPTEMBER 2009

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.

2009 REGIONAL CONFERENCE: The 2009 Regional Conference committee wishes to thank to those that participated in the conference, and especially to the volunteers that helped on all the sub-committees. A special thank you is due to the sponsors of the conference. We had a very successful conference, thanks to everyone's help.

The presentations from the workshop are available on our web page at: www.same-detroit.org/09regional.html under the 2009 Regional Conference.

READINESS COMMITTEE: The Readiness Committee has updated the Readiness Plan. If you are a new Sustaining Member to SAME – Detroit Post, please submit your capability for Readiness to Drew Lonergan so he can include your firm in our current plan. Drew can be reached at (248) 264-4015.

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.

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.

You can update your contact information by using the change of address card found in every issue of *The Military Engineer* magazine, by mailing, faxing or e-mailing their change of address information to SAME HQ, or by going online to www.same.org/memberupdate. Keeping your contact information current benefits you and the entire Society.

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: PLEASE VISIT THE ESD CALENDAR OF EVENTS FOR SCHEDULED EVENTS
(www.esd.org)

SPEAKER BIO: Mr. Anderson is a licensed professional engineer in Michigan and the surrounding Great Lakes states. He received his BS and MS (geotechnical engineering) from Michigan Technological University and an MBA from the University of Michigan. He has been a consulting geotechnical engineer for over 37 years, specializing in deep foundations, earth retention systems and waterfront retaining structures, and analysis and repair of distressed structures. Mr. Anderson has been very active in engineering education and has served on six professional advisory committees for engineering programs in Michigan. He is currently Principal Engineer at SOMAT Engineering, Inc. in Detroit.

Mr. Maranowski's bio will be added prior to the Sept. meeting.

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 if interested in sponsoring a monthly luncheon at pam.horner@usace.army.mil.