



2005-2006

January Meeting Notice

Minnesota Geotechnical Society

PILOT TUBE MICROTUNNELING

Shane McFadden, P.E., Engineering and Construction and Innovations Inc. (ECI)
Saint Paul, MN

In order to further expand retail properties around the Mall of America in Bloomington, Minnesota, the City of Bloomington needed to install a new sanitary sewer line. A number of physical and seasonal challenges existed including a congested urban commercial location, right-of-way limitations, Christmas holiday schedules, and unfavorable Minnesota winter weather conditions. These conditions presented challenges regarding the installation method for the new sewer. In order to install this new line with the least amount of public disturbance, it was required that micro-tunneling technologies are implemented.

Though many routing options were investigated, the final layout chosen required 2,074 feet of 18 inch sanitary sewer pipe, 150 feet of 36 inch steel casing, 168 feet of 18 inch restrained joint DIP sanitary sewer pipe, and seven new manholes. Based on the findings in the baseline geotechnical report, coupled with the site constraints and the impact potential to the public and local business, pilot tube micro-tunneling and conventional micro-tunneling were chosen as the only acceptable methods of installation.

Date: Wednesday, January 11, 2006

Location: Big City Tavern & Banquet Center
2801 Snelling Ave
Roseville, MN

Time: 6:00 Social Hour, Sponsored by Mission Clay Products/No-Dig Pipe

7:00 Dinner – Salad, Rolls, Coffee/Soda and a choice of:

1. Pan Seared Walleye
2. Pasta Pomodoro (Vegetarian)
3. Broasted Chicken
4. Hickory Smoked Ribs

8:00 Presentation – Shane McFadden, ECI

(One professional development hour toward continuing education requirements for Professional Engineers is available).

Cost: \$25.00 members, \$30.00 non-members, and \$5.00 Full-time students, payable to MGS at the door.

Reservations: Requested by 12 Noon, Friday, January 6, 2006.

Please register via the website at <http://www.mngeotechnicalsociety.com/eventsmpls.asp> or call Greg Norris to indicate your dinner selection. Greg may be reached by phone: (763) 428-2242, fax: (763) 428-8348 or email: gnorris@veitcompanies.com

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