



# 2007-2008

*April Meeting Notice*

## Minnesota Geotechnical Society

### Design of Steel Piles for Stabilization of the West Elk Mine Landslide

**Phil Solseng, PE, Barr Engineering**

The West Elk Mine landslide encompasses approximately 2.4 million cubic yards of soil and involves colluvium material on the west side of the Rocky Mountains. Piles were installed across the slide plane in an effort to “pin” the sliding soil mass to the lower layers. The sand filled pipe piles were also used as drains for local dewatering of the soil mass, in combination with a series of dewatering trenches and stone columns. Instrumentation including piezometers and inclinometers were installed in some piles during construction and have provided insight into their behavior under loading.

**Date:** Wednesday, April 9, 2008

**Location:** Rose Vine Hall (downstairs at Grumpy's Bar & Grill)  
2801 Snelling Ave. N., Roseville, MN

**Time: 6:00** Social Hour

**7:00** Dinner & Dessert: Salad, Rolls, Coffee/Soda and a choice of:

1. 10-Ounce Top Sirloin - Char-grilled and topped with bleu cheese garlic butter. Served with white cheddar mashed potatoes and a sauteed vegetable medley
2. Feta Cheese and Sun-Dried Tomato Stuffed Walleye - Served over white cheddar mashed potatoes with a drizzle of lemon thyme butter sauce.
3. Seared Chicken Parmesan - Tender chicken breast crusted with aged Parmesan cheese and rapidly seared until golden brown. Served over white cheddar mashed potatoes and a sauteed vegetable medley with a light herbed cream sauce.
4. Manicotti – Fresh Pasta tubes filled with ricotta, mozzarella and parmesan cheeses. Baked in marinara sauce and finished with melted mozzarella.

**8:00** Presentation – Phil Solseng - Barr

(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, April 4, 2008.

Please register via the website at <http://www.mngeotechnicalsociety.com/eventsmpls.asp>

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