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ASCE SEATTLE SECTION GEOTECHNICAL GROUP FIELD TRIP JUNE 6, 2008

- Project:** 505 1st Avenue South Cutter Soil Mix (CSM) Excavation Support System
- Place:** Meet at 505 1st Ave S, (south of King Street in Pioneer Square, Seattle – see attached map)
- Program:** To begin, there will be a 45 minute presentation in the adjacent 83 King Street building on
- Soils Conditions (Doug Lindquist, Hart Crowser),
 - Shoring Design (John Byrne, Ground Support PLLC), and
 - Construction (Dominic Parmantier, Condon Johnson).
- Following the presentation there will be the opportunity to look at the work completed to date with the adventurous souls climbing down into the excavation. It is anticipated that tieback or tie-down construction will be ongoing at the time of the field trip. Afterward, we will head across the street to the Elysian for some liquid refreshment.
- Time:** 3:00 PM, Friday, June 6th, 2008
- RSVP:** RSVP by email to Henry Haselton hhaselton@aspectconsulting.com before May 30
Limited to 50 people. First come first serve.
- Logistics:** A signed visitor liability release form is required for those entering the site (attached). Please bring it with you. All visitors are responsible for bringing their own PPE – hard hat, boots, eye protection, high visibility vest or shell. Rubber boots are suggested as portions of the excavation may be wet. On-street parking is available nearby to the lucky. Pay lots are also nearby. Transit and carpooling is encouraged.
- Trip Coordinators:** Prior to Field Trip: Henry Haselton hhaselton@aspectconsulting.com 206.838.6580
Day of Field Trip: Dominic Parmantier 206.510.4937
- Project Description:** A new 8 story office building with 4 levels of underground parking is being constructed at 505 1st Avenue in Seattle. The site is surrounded by two historic buildings, Railroad Ave, and 1st Ave with the Viaduct just across the street. A high ground water table and up to 25-ft of wood debris fill made the design and construction of the foundation and excavation support system a challenge.
- In order to make the 43-ft deep excavation, a CSM (Cutter Soil Mix) cutoff shoring system was constructed for the first time in Seattle around the 800-ft perimeter of the excavation. The wall alignment was pre-trenched using cement-bentonite slurry technology. The lower aquifer is being depressurized to stabilize the base of the excavation while the upper aquifer is being monitored closely for unexpected drawdown, which could result in settlement of adjacent structures. Underpinning micropiles were installed under the adjacent edge of the 83 King Building where the new excavation encroached to within 2-ft of the existing building. The southern portion of the new building will be supported on drilled shafts. In addition to the temporary tiebacks for the excavation support, permanent tie-downs are being installed to resist the unbalanced uplift forces once the deep wells are decommissioned next year.



If you do not understand the information below, do not sign this form. Please direct your questions to the Lease Crutcher Lewis superintendent or project manager.

I understand that I am entering a construction zone and that this zone may have dangers both apparent and concealed that could result in a personal injury or even fatality.

I acknowledge that, in exchange for being admitted to this site, that I release Lease Crutcher Lewis and their subcontractors, Starbucks and their consultants for any injury, illness, death or loss of whatever kind that may result from my entry into this site, no matter what the cause of the injury or loss.

I agree to indemnify and hold harmless Lease Crutcher Lewis (General Contractor), Starbucks Corporation (Owner), Seneca Real Estate Group, Inc. (Development Manager), NBBJ (Architect), Hart Crowser (Geotechnical Consultant) and Martin Smith Inc. (Property Manager) from any claims from myself or my heirs on my behalf.

Sign Name _____

Print Name _____

Date _____

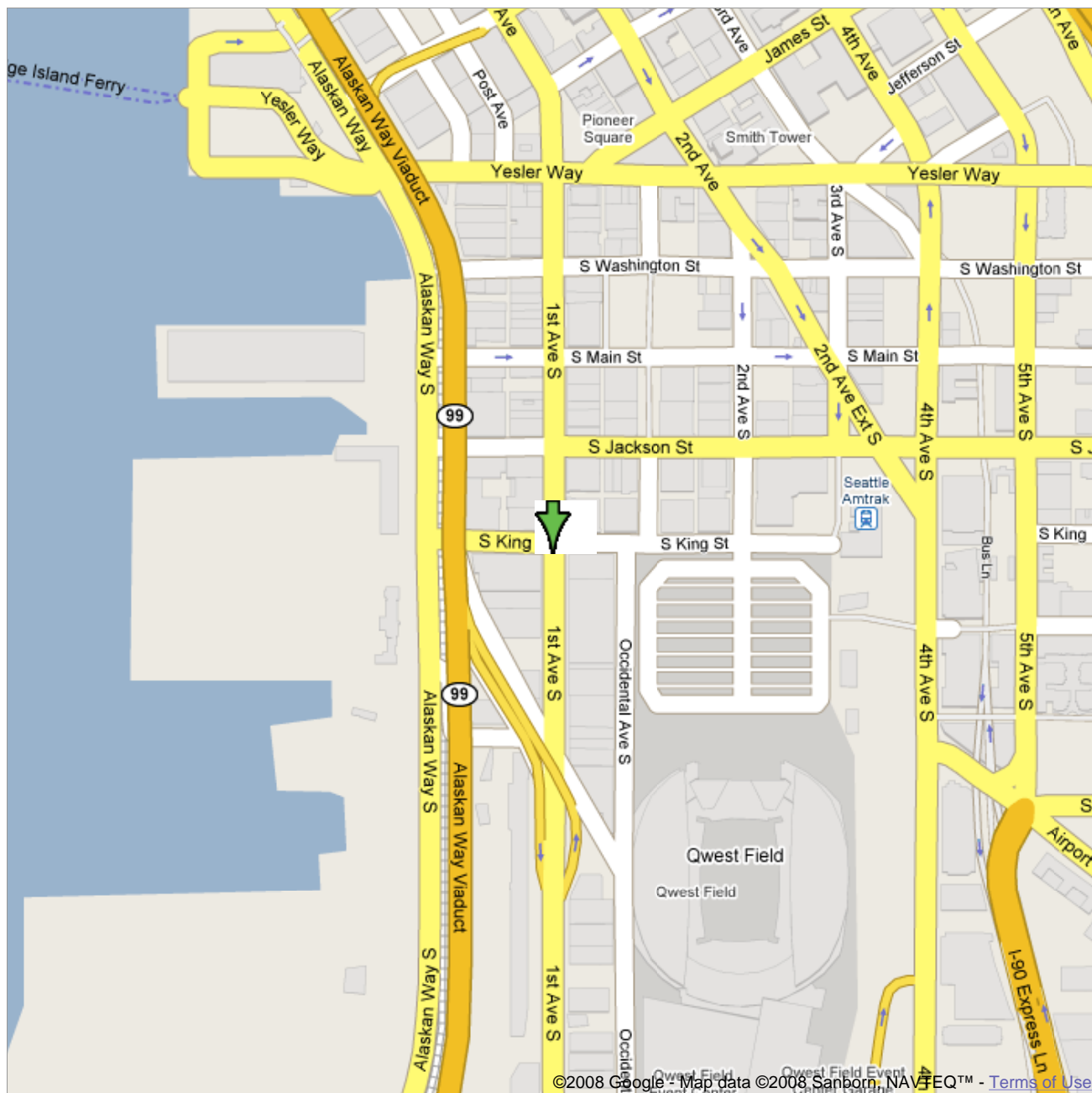


Address **505 1st Ave S**
Seattle, WA 98104

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