



Drill Class Agenda

Presented by Taber Consultants and Quad Knopf in partnership with CSU Fresno

November 4, 2011

Drill Class Start Time 9:00 A.M to 2 P.M.

Meet at the Drill Class Site – Chestnut South of Barstow – Just South of the Farmers Market in Gravel Parking Lot

Morning Session – Drill Class (3 Hours +/-) See Drill Class Site

1. Introductions (15 Minutes)
2. Drill Class - Taber Consultants (Martin McIlroy, C.E.G., P.E.)
 - a. Drill Class Manual Review (15 Minutes)
 - i. Drilling Techniques
 - ii. Drill Rigs
 - iii. Sampling Techniques
 - iv. Special Drill/Sample
 - v. Practical Considerations of Contract Drilling
 - vi. Logging Techniques and Various Resource Materials
 - vii. SPT Energy Analysis
 - b. Safety Tail Gate Meeting (15 Minutes)
 - c. Drill and Sample Demonstration - CPT and Insitu Testing Demonstration (1.5 hours)
 - d. Site Cleanup and Wrap Up Discussion (30 minutes)
3. 12:00 P.M. Meet in Room EE182 for Lunch and Project Case Study Presentation to follow.
4. 12:30 P.M. Quad Knopf – Real Project Case Studies / Application of Geotechnical Engineering on Example Civil Engineering Projects (45 Minutes to 1 hour)
 - a. Real Project Case Studies from Quad Knopf - Railroad Bridge, Major Sewer Force Main, Waste Water Treatment Plant
 - i. Project Background
 - ii. Design Considerations/Client expectations
 - iii. Geotechnical Issues
 - iv. Construction Considerations
 - b. Q&A (15 minutes)
5. Wrap Up and Final Questions (15 minutes)