



2001 Arch-Airport Road, Suite 100
Stockton, CA
95206

p | 209.948.1345
f | 209.234.4700

kleinfelder.com

File No. 02001GA.GEO
February 10, 2009

Mr. Stephen Bridge
Granite Construction Company
P.O. Box 151
Stockton, CA 95201

Mr. Bob Jones
Ford Construction Company
639 E. Lockeford Street
Lodi, CA 95240

Mr. Mark Nilsen
Teichert Construction
P.O. Box 1118
Stockton, CA 95201

Mr. Greg Stephens
A.M. Stephens
P.O. Box 1867
Lodi, CA 95241

Mr. Steve Assoyan
Knife River Corporation
P.O. Box 6099
Stockton, CA 95206

Mr. John Looper
Top Grade Construction
315 Fyffe Avenue, Suite G
Stockton, CA 95203

Subject: Conformance Issues with Soil Stabilization Products

Our firm has recently seen an increasing number of conformance issues with soil stabilization products, such as lime and cement, that have been altered after delivery from the original manufacturers. We have found, for example, large variations between laboratory-prepared samples and conformance tests completed on field samples. If you are completing soil stabilization projects, we suggest that you carefully collect samples in airtight plastic containers of the products used. We also suggest that you request specific design information from the geotechnical engineer of record for possible comparison with samples of products collected daily from your project. If possible, it would be best to collect certified weight tickets upon delivery of soil stabilization products to your job site. Finally, please be aware that Caltrans has revised Section 24. Procedures for evaluating in-place density tests, keeping the grade moist, and spreading and mixing lime and cement on separate days are just some of the issues addressed in the revised Section 24.

If you have any questions, please contact us.

Sincerely,

KLEINFELDER WEST, INC.

Ron Heinzen, G.E., No. 388
Vice President, Project Management

RTH:lr

