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March 25, 2014

Mr. Robert Griffith, Superintendent
Summerville Union High School District
17555 Tuolumne Road
Tuolumne, California 95379

**Subject: Proposal for Geotechnical Recommendation / Report
12018 – Summerville H.S. – Concrete Bleachers
Tuolumne, California**

Dear Robert:

In accordance with your request, CTE, CAL, Inc. is pleased to submit our proposal to prepare a formal report and recommendations for the proposed concrete bleacher system.

Scope of Services

The geotechnical report will consist of surface reconnaissance, limited subsurface exploration, obtaining representative soil samples, laboratory testing, analysis of the field and laboratory data and a review of available geologic literature.

Based upon the information supplied and knowledge of the area, we purpose to excavate a minimum of Two (2) soil borings at specific locations to evaluate the geotechnical and geological conditions beneath the proposed site. Specifically, the intent of the investigation will be:

- *Perform a review of available geological and soils reports pertaining to the site vicinity.*
- *Explore the subsurface conditions to the depths influenced by the proposed construction. (If needed)*
- *Evaluate, by laboratory testing, the pertinent engineering properties of the various strata, which influenced their bearing capabilities, expansive characteristics, and settlement potential.*
- *Define the general geology at the site including possible hazards, which could have an effect on the site development.*
- *Develop soil engineering design criteria for the proposed foundation design.*
- *Present our opinion in a report which will include a summary of the investigation performed and will provide geotechnical construction recommendations.*

Estimate of Charges

It is estimated that a geotechnical investigation at the subject site will incur an overall expenditure of **(Not-to-Exceed) \$1,800.00. (Excludes the Drilling & Laboratory testing)** The estimated cost and time involved are based on the anticipated soil conditions, knowledge of the proposed development, and the scope of services. An approximate breakdown of costs is presented below:

Field Investigation / Drilling (If needed)-----\$1,900.00

The field investigation will consist of a preliminary reconnaissance, the excavation of a minimum of Two (2) borings at representative locations and obtaining representative soil samples for laboratory analysis. An experienced geologist or soils engineer will oversee all field investigation activities.

Laboratory Analysis (If Needed) -----\$500.00

The soils samples obtained in the field will be to identify soil types and evaluate pertinent engineering properties of carious subsurface materials influencing the planned building construction The laboratory budget includes performing tests for expansive potential, material gradations, direct shear, consolidation and plasticity. The quantity and types of tests may very dependant upon soil conformity across the site.

Engineering and Geologic Evaluation -----\$1,800.00

The final report will represent field and laboratory data, evaluation of the site geology and soil formation properties. The recommended structure foundation, seismic evaluations and other soil engineering consideration for the use in the site development will be included in the final report as well.

Project Total-----Not to Exceed \$1,800.00

*** Add Alternate - Drilling and Laboratory \$2,400.00**

The cost estimate is based upon the above-mentioned scope of services and our understanding of the project. Actual costs are determined on a time and expense basis according to the schedule presented below. We charge additional materials and subcontractor fees on a cost plus 15% basis. Should any unforeseen conditions rise that would significantly affect the cost of the investigation, the client will be notified with in one working day. If any additional laboratory testing becomes necessary, the client will be informed of any additional cost prior to performing the test.


Principal Engineer	\$120.00/ hr.
Senior Engineer/Geologist	\$ 80.00/ hr.
Project Engineer/Geologist	\$ 70.00/ hr.
Staff Engineer/ geologist	\$ 60.00/hr.
Technician	\$ 50.00/hr
Computer Operator	\$ 50.00/hr
Maximum Density Tests	\$ 180.00/ea.

Authorization

Should this scope of work, as described, meet your approval, you may authorize the work to proceed by signing a copy of this proposal Authorization and returning the signed copy to our Tracy office. Should you believe that a more modified scope to work might better meet your current needs, please do not hesitate to call us at 209-388-9933.

The opportunity to present the proposal is greatly appreciated and we look forward to working with you.

Sincerely,
Construction Testing & Engineering, Inc.



Kirt Lamb
Regional Manager, Northern California
Prop No. (14-045 - (3/25/2014)

AUTHORIZATION FOR WORK TO BE PERFORMED



Authorized Signature



Title



Date