

**GEOTECHNICAL INVESTIGATION  
ADDITIONS TO PRIMERO SCHOOL  
20200 STATE HIGHWAY 12  
WESTON, COLORADO**

**Prepared for:**

**PRIMERO SCHOOL DISTRICT RE-2  
20200 State Highway 12  
Weston, Colorado 81091**

**Attention: Mr. Gerald Gabbard**

**Project No. SC02366-125**

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## SCOPE

This report presents the results of our Geotechnical Investigation for additions to the Primero School in Weston, Colorado. The purpose of our investigation was to evaluate subsurface conditions at the site in order to develop geotechnical design criteria for the proposed additions. This report summarizes the results of our field and laboratory investigations and presents our design and construction recommendations for addition foundations and floor slabs. We believe the investigation was completed in general accordance with our proposal (SC-08-0020) dated February 5, 2008. Evaluation of the property for the possible presence of potentially hazardous materials (environmental site assessment) was beyond the scope of this investigation.

The report was prepared based upon conditions disclosed by our exploratory borings, results of laboratory tests, engineering analyses, and our experience. The design criteria presented in the report were based upon our understanding of the planned construction and site improvements. If changes occur, we should review the revised plans to determine their effect on the recommendations.

The following section summarizes the report. More detailed descriptions of subsurface conditions as well as our design and construction recommendations are presented in the report.

## SUMMARY

1. The borings drilled in the area of the proposed additions encountered about 15.5 to 22 feet of slightly sandy to sandy clay and slightly clayey to very clayey sand underlain by shale bedrock. Existing fill was encountered in one of the borings (TH-101) in the area of the cafeteria addition to a depth of about 3 feet. The borings in the track area encountered up to 5 feet of sandy clay and existing fill. Samples tested exhibited compression or low measured swell upon wetting. Ground water was encountered in the three deeper borings at depths of 7 to 13 feet during drilling and at depths of 5 to 7 feet when drilling operations were completed.