



February 20, 2013
Job No. 0128-095-13

State of Utah DFCM
4110 State Office Building
Salt Lake City, Utah 84114

Attention: Mr. Kurt Baxter

Gentlemen:

Re: Supplemental Report
Geotechnical Study
Proposed UVU Classroom Building
UVU Campus
Orem, Utah

INTRODUCTION

A geotechnical report has recently been completed for the proposed UVU Classroom Building located within the north parking lot at the north end of campus. The report was dated February 15, 2013¹. At the time the report was submitted, laboratory testing for soil pH and sulfate content was in progress. This supplement report is to provide the final laboratory results for these chemical tests and should be permanently attached thereto.

LABORATORY CHEMICAL TESTS

To determine if the site soils will react detrimentally with concrete, pH and sulfate chemical tests were performed on a representative sample of the silty clay soils encountered in Boring B-2 at a depth of 4.5 feet below existing grade. The results of the chemical tests are tabulated below:

| Boring No. | Depth (feet) | pH | Total Water Soluble Sulfate (mg/kg-dry) |
|------------|--------------|------|---|
| B-2 | 4.5 | 8.82 | 16.2 |

¹ "Report Geotechnical Study, Proposed UVU Classroom Building, UVU Campus, Orem, Utah," GSH Job No. 0128-095-13 Dated February 15, 2013.

CEMENT TYPES

The laboratory tests indicate that the site soils contain negligible amounts of water soluble sulfates. Therefore, concrete which will be in contact with these site soils may be prepared using Type 1/1A cement.

If you have any questions or would like to discuss these items further, please feel free to contact us at (801) 685-9190.

Respectfully submitted,

GSH Geotechnical, Inc.



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BNR:jlh

Addressee (3 + email)

